Groundwater Quality Sampling Results for Wyckoff/Eagle Harbor Superfund Site—May 2013

PREPARED FOR: Howard Orlean/EPA Region 10

PREPARED BY: Nicole Badon/CH2M HILL
Rob Healy/CH2M HILL
Carolyn Kossik/CH2M HILL
Ken Scheffler/CH2M HILL

COPIES Chung Yee/ Washington Dept. of Ecology
Karl Kunas/USACE
Stan Warner/OMI
Richard Brooks/ Suquamish Tribe
Perry Barrett/ City of Bainbridge Island

DATE: September 12, 2013

This technical memorandum summarizes the results of the May 2013 groundwater sampling event conducted at the Wyckoff/Eagle Harbor Superfund Site on Bainbridge Island, Washington. The objective of the ongoing sampling is to evaluate long-term concentration trends of the chemicals of concern in the lower aquifer. Groundwater quality sampling locations include twenty-four lower aquifer locations (CW-01, CW-02, CW-05, CW-09, CW-12, CW-15, 02CD-MW-01, 99CD-MW-02, 99CD-MW-04, P-1L, P-2L, P-3L, P-4L, P-5L, P-6L, PZ-03, PZ-09, PZ-11, SE-02, VG-1L, VG-2L, VG-3L, VG-4L, and VG-5L) and one upper aquifer location (MW-21). Figure 1 shows the locations of these monitoring wells at the Wyckoff site.

Groundwater Sampling

The Groundwater Sampling Event Planning (GSEP) form and Analytical Services Request Form (ASRF) were utilized for laboratory coordination and sampling event planning. Copies of the completed GSEP form and ASRF for the May 2013 sampling event are included in Appendix A.

The May 2013 groundwater sample collection was performed in accordance with the procedures outlined in the 2005 Addendum to the Groundwater Sampling and Analysis Plan (SAP) (December 29, 2005). A copy of the SAP addendum is provided in Appendix A as part of the GSEP.

Groundwater sampling was performed by CH2M HILL on May 6 through 9, 2013. A total of 25 wells and piezometers were sampled. Groundwater sampling procedures included purging, collection of field parameter data during purging, and sample collection for laboratory analysis. Depth-to-groundwater measurements were taken prior to and after purging each well and piezometer with a

manual water level indicator. A Mini Rae PID was used for personnel air monitoring during sampling activities.

Purging

A peristaltic pump was used to purge wells and piezometers prior to sampling (except well CW-01 where the depth to water is too great for the peristaltic pump). The peristaltic pump was equipped with polyethylene tubing. Purge tubing was set so that the bottom of the tubing was in the center of the well screen. New peristaltic tubing was used at each well. At well CW-01 a dedicated submersible electric pump and new polyethylene tubing were used for purging and sampling. After sampling, the submersible pump was decontaminated, labeled and stored onsite for future sampling of well CW-01.

At the wells located outside of the exclusion zone, purge water was discharged into a portable purge water tank. Purge water was then emptied from the tank into the decontamination pad drain for treatment through the onsite groundwater treatment system. At the wells located inside of the exclusion zone, the purge water was pumped onto the ground surface, away from the well head.

Field Parameter Data

A Horiba U-22 water quality meter was utilized to collect groundwater field parameters during well purging. Field parameters were recorded approximately every 3 minutes. Results were recorded in the field notebook as they were collected. Purging was continued until the field parameter measurements stabilized between successive readings. Sampling field records are provided in Appendix B. The groundwater field parameters recorded immediately before sampling at each location are provided in Table 2 under the chemical group “General”.

Sample Collection

Samples were collected at all locations for analysis of semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), pentachlorophenol (PCP), and total petroleum hydrocarbons for diesel and motor oil (TPH-Dx and TPH-motor oil). Quality control samples included three field duplicate samples collected at monitoring wells CW-15, VG-2L, and P-3L, two matrix spike and matrix spike duplicates (MS/MSD) collected at wells CW-15 and PZ-03, and three laboratory duplicates collected at P-1L, VG-3L, and VG-5L.

Groundwater samples were collected into certified pre-cleaned, pre-labeled sample bottles. After collection, samples were placed in coolers with enough ice to maintain an internal temperature of 4°C and sealed with tape and custody seals. The secured coolers were stored overnight in the locked onsite office trailer. Coolers were re-packed with ice the following morning and sealed with tape and custody seals for delivery to the EPA Region 10 Manchester Environmental Laboratory (Manchester) located in Port Orchard, Washington. All samples were hand delivered to the laboratory on the day following sample collection.

Sample numbers for the May 2013 sampling event are provided in Table 1.

TABLE 1
May 2013 Groundwater Sample Numbers

Sample Location	Project Sample Number	EPA Sample Number
Lower Aquifer		
02CDMW01	02CDMW01-0513	13184003
99CDMW02	99CDMW02-0513	13184014
99CDMW04	99CDMW04-0513	13184017
CW01	CW01-0513	13184027
CW02	CW02-0513	13184001
CW05	CW05-0513	13184011
CW09	CW09-0513	13184005
CW12	CW12-0513	13184018
CW15	CW15-0513	13184009
MW50 (CW15 Field Duplicate)	MW50-0513	13184010
MW70 (P3L Field Duplicate)	MW70-0513	13184016
MW80 (VG2L Field Duplicate)	MW80-0513	13184008
P1L	P1L-0513	13184002
P2L	P2L-0513	13184006
P3L	P3L-0513	13184015
P4L	P4L-0513	13184012
P5L	P5L-0513	13184020
P6L	P6L-0513	13184022
PZ03	PZ03-0513	13184024
PZ09	PZ09-0513	13184025
PZ11	PZ11-0513	13184026
SE02	SE02-0513	13184000
VG1L	VG1L-0513	13184004
VG2L	VG2L-0513	13184007
VG3L	VG3L-0513	13184013
VG4L	VG4L-0513	13184021
VG5L	VG5L-0513	13184019
Upper Aquifer		
MW21	MW21-0513	13184023

Groundwater Sample Analysis

Groundwater samples obtained from the monitoring stations were analyzed at the EPA's Manchester laboratory for SVOC, PAH, PCP, and TPH constituents. Appendix C contains the Scribe chains of custody for the sample deliveries.

SVOC analytical results were submitted electronically by Manchester to EPA Region 10 on June 13, 2013, PAH results were submitted on July 16, 2013, TPH results were submitted on July 18, 2013, and PCP results were submitted on July 19, 2013. The SVOC data package was reviewed by Chris Pace/USEPA on June 11, 2013. The TPH and PCP data packages were reviewed by Dana Walker/USEPA on July 15, 2013, and the PAH data package was reviewed by Dana Walker/USEPA on

July 16, 2013. The laboratory data packages are presented in Appendix D. Analytical results from this event were added to the Wyckoff project electronic database maintained by CH2M HILL.

Groundwater Sample Analytical Results

May 2013 analytical results for both the Lower and Upper aquifer monitoring wells are presented in Table 2 and compared to the site groundwater CULs.

Lower Aquifer

Twenty-four lower aquifer locations were sampled during the sample collection event. Of the twenty-four lower aquifer samples, nineteen were reported by the laboratory to have non-detect or very low detects of analyzed constituents with no exceedances of the groundwater cleanup levels (CULs). The remaining five lower aquifer samples at monitoring wells CW05, CW15, P3L, PZ11, and VG2L were reported to have at least one constituent concentration that exceeds a CUL:

- CW05 - Monitoring well CW05 had nine PAH constituents reported at concentrations above groundwater CULs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, and naphthalene). Heavy weight PAHs (HPAH) is also reported above its groundwater CUL.
- CW15 – Monitoring well CW15 had eleven PAH constituents that were reported at concentrations exceeding the groundwater CULs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, and naphthalene). HPAH is also reported above its groundwater CUL. All of the eleven PAH constituents and HPAH also exceeded CULs in the field duplicate. Additionally, anthracene and pyrene were detected above their CULs in the field duplicate but were not detected above CULs in the regular sample.
- P3L – Monitoring well P3L had eight PAH constituents (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, and indeno(1,2,3-cd)pyrene) and HPAH reported at concentrations exceeding the groundwater CULs in the regular sample. Seven of the eight PAH constituents and HPAH exceeded CULs in the field duplicate sample. Indeno(1,2,3-cd)pyrene was not detected in the field duplicate.
- PZ11 – Monitoring well PZ11 had three PAH constituents that were reported at concentrations exceeding the groundwater CULs (acenaphthene, fluorene, and naphthalene).
- VG2L - Monitoring well VG2L had seven PAH constituents reported at concentrations exceeding the corresponding CULs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and fluoranthene). HPAH is also reported above its groundwater CUL. Six of the seven constituents and HPAH detected above CULs in the regular sample also exceeded CULs in the field duplicate. Fluoranthene was not detected in the field duplicate.

Based on the varying PAH constituents detected above their corresponding CULs, acenaphthene was selected as an indicator constituent to present the spatial distribution of PAH constituents in the lower aquifer. It was selected as the most appropriate indicator constituent because it was detected

above its CUL of 3 µg/L in the most monitoring wells. Figure 2 presents the resulting concentration isopleth for acenapthene. The results show that there are two areas at the site where acenapthene, and other PAH consitutent concentrations, are consistently detected near or above cleanup levels. One area is in the northern portion of the site and encompasses monitoring wells CW05, CW15, P3L, and VG-2L; the other area is in the southwest portion of the site, surrounding piezometer PZ-11.

Upper Aquifer

MW21 was included in the sample collection event to confirm the water quality of upper aquifer groundwater that potentially could migrate to the lower aquifer through identified thinning of the aquitard in the southeast corner of the former process area (see technical memorandum *Soil Boring and Monitoring Well Construction Summary – Wyckoff/Eagle Harbor Superfund Site* (CH2M HILL, January 26, 2009). The sample from MW21 was reported by the laboratory to have non-detect or very low detects of analyzed constituents with no exceedances of the groundwater CULs.

Summary of Water Quality Historical Trends

Historical data for the upper and lower aquifer wells at the site are presented in Tables 3 and 4. Table 3 presents the lower aquifer groundwater sample results reported since April 1994 and Table 4 presents the upper aquifer groundwater sample results reported since March 2004.

A time series plot of the indicator PAH constituent, acenaphthene, is presented for wells CW15, P3L, VG2L, CW05, CW09, and P4L in Figure 3. Concentrations of acenaphthene in wells CW15, P3L, and VG2L have been consistently detected above the CUL since sampling of these well began. Acenaphthene concentrations in well CW05 were declining below the CUL prior to 2009 but have increased above the CUL since the September 2009 sampling event. Concentrations of acenaphthene in CW09 have been below detection levels, or detected below the CUL, with the exception of one detection above the CUL in June 2012. Acenaphthene concentrations in well P4L have been below detection levels or detected below the CUL since the beginning of its monitoring period (February 2009 through May 2013).

In general concentrations of acenaphthene appear to be relatively stable above the CUL in wells CW15, P3L, and VG2L, and increasing in CW05 in the northern area of the site. Table 3 shows that acenaphthene concentrations in PZ11, in the southwest area of the site, have remained relatively stable, with slight fluctuation, above the CUL since May 2010. Wells in the center area of the site, in between the affected northern and southwestern areas of the site, show no detects of acenaphthene in May 2013. These affected areas of the lower aquifer (in the north and southwest) may indicate a connection between the upper and lower aquifer facilitating dissolved phased contaminant transport, or the presence of NAPL in the lower aquitard in these areas.

NAPL Thickness Measurements

NAPL thickness measurements were not measured during this May 2013 sampling event. Previous measurements were obtained during the June 2012 groundwater sampling event. NAPL was observed in the lower aquifer wells VG-2L, P-3L, and CW15. This corresponds with the northern portion of the site where acenapthene and other PAH consitutent concentrations are consistently detected near or above cleanup levels. In 2012, NAPL measurements were not attempted at

monitoring well PZ-11. But, based on PZ-11 water quality results, the presence of NAPL in this well is possible.

Conclusions and Recommendations

The May 2013 groundwater sample collection was performed May 6 through 9, 2013, in accordance with the procedures outlined in the SAP addendum. A total of 25 wells and piezometers were sampled for analysis of SVOC, PAH, PCP, and TPH constituents and submitted to the EPA's Manchester Environmental Laboratory. Of the twenty-four lower aquifer samples, nineteen were reported by the laboratory to have non-detect or very low detects of analyzed constituents with no exceedances of the groundwater cleanup levels (CULs). The remaining five lower aquifer samples at monitoring wells CW05, CW15, P3L, PZ11, and VG2L were reported to have at least one constituent concentration that exceeds a CUL.

Based on the review of current and historical analytical data for the upper and lower aquifer, two areas of the lower aquifer are identified with elevated PAH concentrations; one to the north encompassing monitoring wells CW05, CW15, P3L, and VG-2L, and one to the southwest centered on piezometer PZ-11. These affected areas of the lower aquifer may indicate that there is a connection between the upper and lower aquifer facilitating dissolved phased contaminant transport, or the presence of NAPL in the lower aquitard in these areas.

June 2012 NAPL measurements indicate the presence of NAPL in three lower aquifer wells (VG-2L, P-3L, and CW15) in the northern area of the site. This is consistent with the water quality conditions observed in the Lower Aquifer in that same area. 2012 NAPL measurements were not attempted at monitoring well PZ-11. But based on PZ-11 water quality results, the presence of NAPL in this well is possible.

CH2M HILL recommends that prior to the next water quality monitoring event, the list of wells to be sounded and sampled should be revisited. For example, it is probably not necessary to sample lower aquifer wells that are historically below detection limits. Alternatively, to define the extent of the area around PZ-11 affected by PAH constituents, monitoring wells PZ-12, PZ-10, MW19, and MW23 should be sampled.

Tables

TABLE 2

Lower and Upper Aquifer Results - May 2013

Wyckoff

Location ID				02CD-MW01	99CD-MW02	99CD-MW04	CW01	CW02	CW05	CW09	CW12	CW15	CW15-FD	MW21	P-1L	P-2L	P-3L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Upper	Lower	Lower	Lower
Sample Date				6-May-13	7-May-13	8-May-13	9-May-13	6-May-13	7-May-13	6-May-13	8-May-13	7-May-13	7-May-13	9-May-13	6-May-13	8-May-13	8-May-13
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
BNA	1,1'-Biphenyl	ug/L	--	1 U	1 U	1 U	1 U	1 U	**9.9**	1 U	1 U	**7.2 J**	**6.7**	1 U	1 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
BNA	1-Methylnaphthalene	ug/L	--	1 U	1 U	1 U	1 U	1 U	**89**	1 U	1 U	**56**	**55**	1 U	1 U	1 U	**11**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2.1 U	2 U	2 U	2 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4 UJ	4 UJ	4.1 UJ	4.1 UJ	4.2 UJ	4.2 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Methylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	2-Nitrophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
BNA	3-Nitroaniline	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2.1 U	2 U	2 U	2 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4 U	4.1 U	4.1 U	4.2 U	4.2 U	4.1 U	4.1 U	4.1 U	4.1 U
BNA	4-Bromophenyl-Phenylether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	4-Chloroaniline	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-Phenylether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4 U	4.1 U	4.1 U	**2.5 J**	4.2 U	4.1 U	4.1 U	4.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4 U	4.1 U	4.1 U	4.2 UJ	4.2 U	4.1 U	4.1 U	4.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	1 U	1 U	1 U	1 U	1 U	**39**	1 U	1 U	**14**	**14**	1 U	1 U	1 U	**6.2**
BNA	Atrazine	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	2 U	2 U	2 U	2 U	2 U	**1.2 J**	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	Caffeine	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
BNA	Caprolactam	ug/L	--	2 UJ	2 UJ	2 UJ	**2.7 J**	2 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	2.1 UJ	2 UJ	2 UJ	2 UJ	2 UJ
BNA	Dibenzofuran	ug/L	--	1 U	1 U	1 U	1 U	1 U	**45**	1 U	1 U	**45**	**39**	1 U	1 U	1 U	**1.9**
BNA	Diethyl phthalate	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Di-n-Butylphthalate	ug/L	--	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Hexachlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 UJ	2.1 UJ	2.1 UJ	2 UJ	2 U	2 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ
BNA	Isophorone	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Nitrobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	N-Nitrosodinpropylamine	ug/L	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Phenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
General	Dissolved Oxygen	mg/L	--	**1.06**	**3.63**	**1.13**	**9.33**	**1.72**	**0**	**0**	**2.19**	**0**	--	**0.42**	**0**	**0**	**0**
General	Oxidation Reduction Potential	mV	--	**65**	**-2**	**-86**	**179**	**72**	**-240**	**-48**	**57**	**-302**	--	**-89**	**-148**	**-18**	**-262**

TABLE 2

Lower and Upper Aquifer Results - May 2013

Wyckoff

Location ID				02CD-MW01	99CD-MW02	99CD-MW04	CW01	CW02	CW05	CW09	CW12	CW15	CW15-FD	MW21	P-1L	P-2L	P-3L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Upper	Lower	Lower	Lower
Sample Date				6-May-13	7-May-13	8-May-13	9-May-13	6-May-13	7-May-13	6-May-13	8-May-13	7-May-13	7-May-13	9-May-13	6-May-13	8-May-13	8-May-13
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
General	pH	units	--	**8.98**	**8.09**	**7.84**	**7.09**	**7.18**	**6.71**	**7.32**	**7.72**	**7.1**	--	**6.69**	**6.88**	**7.14**	**6.83**
General	Salinity	%	--	**0**	**0**	**0**	**0.01**	**0.13**	**1.45**	**3.2**	**0**	**2.8**	--	**0.01**	**2.9**	**3**	**1.76**
General	Specific Conductivity	mS/cm	--	**0.945**	**0.864**	**0.933**	**0.368**	**2.67**	**24.2**	**49.9**	**0.963**	**43.3**	--	**0.358**	**44.6**	**47**	**28.8**
General	Temperature	deg C	--	**15.08**	**14.24**	**13.95**	**13.1**	**13.59**	**12.25**	**14.81**	**14.22**	**13.37**	--	**13.36**	**14.12**	**12.87**	**11.92**
General	Turbidity	NTU	--	**83.3**	**179**	**397**	**60.9**	**60.3**	**40.4**	**144.4**	**84.2**	**48.2**	--	**24.1**	**136**	**25.2**	**10**
PAH	2-Methylnaphthalene	ug/L	--	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.081**	0.03 U	0.03 U	**1.6**	**1.4**	0.03 U	0.03 U	0.03 U	**0.73**
PAH	Acenaphthene	ug/L	3.0	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**87**	**0.058**	0.03 U	**93**	**100**	0.03 U	0.03 U	0.03 U	**28**
PAH	Acenaphthylene	ug/L	--	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**1.8**	0.03 U	0.03 U	**1.6**	**1.8**	0.03 U	0.03 U	0.03 U	**0.28**
PAH	Anthracene	ug/L	9.0	**0.042**	0.031 U	**0.033**	0.03 U	0.03 U	**3.6**	0.03 U	**0.063**	**4.6**	**9.9**	**0.19**	0.03 U	0.03 U	**0.95**
PAH	Benzo(a)anthracene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.31**	0.03 U	0.03 U	**3.9**	**6.7**	0.03 U	0.03 U	0.03 U	**0.96**
PAH	Benzo(a)pyrene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.097**	0.03 U	0.03 U	**1**	**2.2**	0.03 U	0.03 U	0.03 U	**0.26**
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.16**	0.03 U	0.03 U	**1.5**	**3.1**	0.03 U	0.03 U	0.03 U	**0.35**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.19**	**0.41**	0.03 U	0.03 U	0.03 U	**0.06**
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.085**	0.03 U	0.03 U	**0.86**	**2**	0.03 U	0.03 U	0.03 U	**0.24**
PAH	Chrysene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**0.26**	0.03 U	0.03 U	**3.8**	**6.9**	0.03 U	0.03 U	0.03 U	**0.89**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.076**	**0.18**	0.03 U	0.03 U	0.03 U	0.032 U
PAH	Fluoranthene	ug/L	3.0	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**3.6**	**0.04**	0.03 U	**13**	**37**	0.03 U	0.03 U	0.03 U	**2.5**
PAH	Fluorene	ug/L	3.0	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**38**	0.03 U	0.03 U	**32**	**31**	0.03 U	0.03 U	0.03 U	**4**
PAH	HPAH	ug/L	0.25	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**7.212 C**	**0.04 C**	0.03 U	**33.316 C**	**84.9 C**	0.03 U	0.03 U	0.03 U	**7.12 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.19**	**0.41**	0.03 U	0.03 U	0.03 U	**0.06**
PAH	Naphthalene	ug/L	83	**0.038**	**0.098**	0.03 U	0.03 U	**0.071**	**260**	**0.038**	0.03 U	**160**	**140**	**0.048**	**0.075**	0.03 U	**34**
PAH	Phenanthrene	ug/L	--	0.03 U	**0.038**	0.03 U	0.03 U	0.03 U	**38**	0.03 U	0.03 U	**40**	**69**	0.03 U	0.03 U	0.03 U	**4**
PAH	Pyrene	ug/L	15	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U	**2.7**	0.03 U	0.03 U	**8.8**	**26**	0.03 U	0.03 U	0.03 U	**1.8**
PCP	Pentachlorophenol	ug/L	4.9	0.077 U	0.079 U	0.077 U	0.077 U	0.076 U	0.076 U	0.076 U	0.077 U	0.077 U	0.078 U	0.077 U	0.076 U	0.077 U	0.082 U
TPH	Diesel Range Organics	mg/L	--	0.096 U	0.097 U	0.1 U	0.1 U	0.098 U	0.095 U	0.096 U	0.1 U	0.098 U	0.097 U	0.1 U	0.096 U	0.096 U	0.1 U
TPH	Motor Oil Range Organics	mg/L	--	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PCP = Pentachlorophenol
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
ug/L = micrograms per liter
mg/L = milligrams per liter

C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000
Bold = analyte was detected
Shade/bold = detected result exceeds cleanup level

TABLE 2

Lower and Upper Aquifer Results - May 2013

Wyckoff

Location ID				P-3L-FD	P-4L	P-5L	P-6L	PZ-03	PZ-09	PZ-11	SE-02	VG-1L	VG-2L	VG-2L-FD	VG-3L	VG-4L	VG-5L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower
Sample Date				8-May-13	7-May-13	7-May-13	8-May-13	9-May-13	9-May-13	9-May-13	6-May-13	6-May-13	6-May-13	6-May-13	7-May-13	7-May-13	8-May-13
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
BNA	1,1'-Biphenyl	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	**4.9**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	1-Methylnaphthalene	ug/L	--	**11**	1 U	1 U	1 U	1 U	1 U	**10**	1 U	1 U	**3**	**3.4**	1 U	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	4.2 UJ	4 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4.1 UJ	4 UJ	4.1 UJ	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Methylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	2-Nitrophenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	3-Nitroaniline	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	4.2 U	4 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4.1 U	4.1 U
BNA	4-Bromophenyl-Phenylether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	4-Chloroaniline	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-Phenylether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.2 U	4 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	4.2 U	4 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4 U	4.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	**8.3**	1 U	1 U	1 U	1 U	1 U	**14**	1 U	1 U	**3.5**	**3.7**	1 U	1 U	1 U
BNA	Atrazine	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	Caffeine	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Caprolactam	ug/L	--	2.1 UJ	2 UJ	2 UJ	2.1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
BNA	Dibenzofuran	ug/L	--	**2**	1 U	1 U	1 U	1 U	1 U	**16**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Diethyl phthalate	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Di-n-Butylphthalate	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Hexachlorobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2.1 UJ	2 UJ	2 UJ	2.1 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
BNA	Isophorone	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	Nitrobenzene	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BNA	N-Nitrosodinpropylamine	ug/L	--	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Phenol	ug/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
General	Dissolved Oxygen	mg/L	--	--	**0**	**7.18**	**6.3**	**0**	**3.84**	**0**	**4.69**	**0**	**0**	--	**5.73**	**5.55**	**1.01**
General	Oxidization Reduction Potential	mV	--	--	**-47**	**58**	**73**	**-57**	**198**	**-6**	**239**	**59**	**-158**	--	**41**	**66**	**97**

TABLE 2

Lower and Upper Aquifer Results - May 2013

Wyckoff

Location ID				P-3L-FD	P-4L	P-5L	P-6L	PZ-03	PZ-09	PZ-11	SE-02	VG-1L	VG-2L	VG-2L-FD	VG-3L	VG-4L	VG-5L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower
Sample Date				8-May-13	7-May-13	7-May-13	8-May-13	9-May-13	9-May-13	9-May-13	6-May-13	6-May-13	6-May-13	6-May-13	7-May-13	7-May-13	8-May-13
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
General	pH	units	--	--	**7.47**	**7.38**	**8.34**	**7.42**	**6.49**	**6.64**	**7.33**	**7.18**	**7.02**	--	**7.91**	**9.45**	**8.92**
General	Salinity	%	--	--	**3.7**	**0.01**	**0.01**	**0.1**	**0.01**	**0**	**0**	**0.24**	**1.77**	--	**0.02**	**0**	**0**
General	Specific Conductivity	mS/cm	--	--	**56**	**0.328**	**0.32**	**0.999**	**0.258**	**0.584**	**0.881**	**4.76**	**28.8**	--	**0.475**	**0.862**	**0.956**
General	Temperature	deg C	--	--	**14.93**	**12.79**	**12.22**	**12.59**	**9.2**	**10.41**	**13.85**	**13.54**	**14.27**	--	**12.69**	**13.85**	**14.53**
General	Turbidity	NTU	--	--	**142**	**19**	**26.8**	**47.6**	**15.7**	**118**	**19.8**	**82.4**	**33.5**	--	**25.6**	**70.3**	**39.4**
PAH	2-Methylnaphthalene	ug/L	--	**1.1**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	**0.32**	**0.031**	0.031 U	**0.087**	**0.93**	0.03 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	**24**	**0.098**	0.031 U	0.031 U	0.03 U	0.03 U	**18**	0.031 U	0.031 U	**15**	**14**	0.03 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	**0.24**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	**0.83**	0.031 U	0.031 U	**0.3**	**0.28**	0.03 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9.0	**0.64**	**0.032**	0.031 U	0.031 U	**0.058**	**0.083**	**0.68**	0.031 U	0.031 U	**0.89**	**0.72**	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	**0.38**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	**0.35**	**0.4**	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	**0.097**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	**0.079**	**0.098**	0.03 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.12**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	**0.11**	**0.14**	0.03 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.031 U	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	**0.09**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	**0.067**	**0.087**	0.03 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	**0.35**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	**0.28**	**0.35**	0.03 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.031 U	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**1.7**	**0.072**	0.031 U	0.031 U	0.03 U	0.03 U	**0.16**	0.031 U	0.031 U	**3.1**	**2.6**	0.03 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	**3.4**	**0.1**	0.031 U	0.031 U	0.03 U	0.03 U	**5.2**	0.031 U	0.031 U	**0.78**	**0.91**	0.03 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	**3.937 C**	**0.111 C**	0.031 U	0.031 U	0.03 U	0.03 U	**0.201 C**	0.031 U	0.031 U	**5.986 C**	**5.475 C**	0.03 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	0.031 U	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	0.03 U	0.031 U	0.031 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**31**	**0.045**	0.031 U	**0.035**	0.03 U	0.03 U	**160**	**0.07**	**0.048**	**3.1**	**27**	0.03 U	0.03 U	0.03 U
PAH	Phenanthrene	ug/L	--	**3**	0.03 U	0.031 U	0.031 U	0.03 U	0.03 U	**2.6**	0.031 U	0.031 U	**1.8**	**1.6**	0.03 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	**1.2**	**0.039**	0.031 U	0.031 U	0.03 U	0.03 U	**0.041**	0.031 U	0.031 U	**2**	**1.8**	0.03 U	0.03 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.08 U	0.077 U	0.079 U	0.078 U	0.076 U	0.077 U	0.076 U	0.078 U	0.08 U	0.076 U	0.078 U	0.077 U	0.078 U	0.077 U
TPH	Diesel Range Organics	mg/L	--	0.1 U	0.096 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.096 U	0.099 U	0.097 U	0.099 U	0.098 U	0.095 U	0.1 U
TPH	Motor Oil Range Organics	mg/L	--	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U	0.19 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PCP = Pentachlorophenol
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
ug/L = micrograms per liter
mg/L = milligrams per liter

C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000
Bold = analyte was detected
Shade/bold = detected result exceeds cleanup level

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW01 03/17/2004	CW01 4/27/1994	CW01 11/14/1995	CW01 01/26/2006	CW01 09/21/2006	CW01 01/7/2008	CW01 2/19/2009	CW01 9/17/2009	CW01 5/6/2010	CW01 5/9/2013
BNA	1,1'-Biphenyl	ug/L	--	**0.036 J**	--	--	5 U	0.4 U	1 U	0.94 U	0.89 UJ	0.48 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	5 U	--	--	--	--	0.48 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	0.4 UJ	1 U	0.94 U	0.89 U	0.48 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	0.4 UJ	1 U	0.94 U	0.89 U	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	0.4 U	1 U	0.94 U	0.89 UJ	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	0.4 UJ	1 U	0.94 U	0.89 U	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	0.4 UJ	1 U	0.94 U	0.89 U	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	0.4 U	1 U	--	0.89 U	0.48 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	0.48 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.37 U	--	--	20 U	0.8 U	1 U	1.9 UJ	0.89 U	0.48 UJ	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	1.9 U	0.89 U	0.48 UJ	2 U
BNA	2,4-Dichloropheno	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 UJ	1 U
BNA	2,4-Dinitropheno	ug/L	--	--	--	--	20 U	4 U	10 U	7.5 U	0.89 U	0.48 UJ	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1.9 U	--	--	5 U	0.8 U	1 U	0.94 U	0.89 U	0.48 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.74 U	--	--	5 U	0.4 U	2 U	1.9 U	0.89 U	0.96 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	--	--	5 U	0.4 U	4 U	0.94 U	0.89 U	0.48 U	1 U
BNA	2-Chloropheno	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	**0.025 J**	--	--	5 U	0.4 U	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	1.8 U	0.48 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.9 U	--	--	20 U	0.8 U	1 U	0.94 U	0.89 U	0.48 U	2 U
BNA	2-Nitrophenol	ug/L	--	1.9 U	--	--	5 U	0.4 U	1 U	1.9 U	0.89 U	0.48 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1.9 U	--	--	5 UJ	0.8 UJ	1 U	15 UJ	0.89 UJ	0.48 U	1 U
BNA	3-Nitroaniline	ug/L	--	1.9 U	--	--	20 U	0.8 U	1 U	0.94 UJ	0.89 U	0.48 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	3.7 U	--	--	20 U	2 U	4 U	1.9 U	0.89 U	0.96 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	0.37 U	--	--	5 U	0.8 U	1 U	1.9 U	0.89 U	0.48 U	2 U
BNA	4-Chloroaniline	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	2 U	19 UJ	0.89 U	0.48 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	4-Methylpheno	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	20 U	0.8 U	1 U	3.8 UJ	0.89 UJ	0.48 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	--	--	20 U	4 U	4 U	19 U	0.89 U	0.48 UJ	4.1 U
BNA	9H-Carbazole	ug/L	--	0.37 U	--	--	--	0.4 U	4 U	1.9 U	0.89 U	0.48 U	1 U
BNA	Acenaphthene	ug/L	3.0	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Atrazine	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Benzaldehyde	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 UJ	2 U
BNA	Benzenemethano	ug/L	--	--	--	--	--	0.8 U	2 U	R	1.8 UJ	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	0.74 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	1.9 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	1.9 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	4 UJ	4 UJ	7.5 UJ	2.8 U	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 UJ	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.9 U	--	--	5 U	1 UJ	1 U	1.9 U	0.92 U	0.48 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	0.4 U	1 U	--	--	0.48 UJ	1 U
BNA	Caprolactam	ug/L	--	1.9 U	--	--	5 UJ	2 UJ	1 U	19 U	0.89 UJ	0.48 UJ	**2.7 J**
BNA	Chrysene	ug/L	0.030	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	1.9 U	--	--	5 U	0.8 U	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Diethylphthalate	ug/L	--	0.37 U	--	--	5 U	0.4 U	**0.3 J**	1.9 U	0.89 U	0.48 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.37 U	--	--	5 U	0.4 U	**0.4 J**	0.94 U	0.89 U	0.48 UJ	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	1.9 U	0.89 U	0.48 U	2 U
BNA	Di-n-octylphthalate	ug/L	--	1.9 U	--	--	5 U	0.8 U	1 U	1.9 U	0.89 U	0.48 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Fluoranthene	ug/L	3.0	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	1 U	0.94 U	0.89 U	0.48 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	--	--	5 U	0.4 UJ	2 U	1.9 U	0.89 U	0.48 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	1 U	0.94 U	0.89 U	0.48 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	3.7 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Naphthalene	ug/L	83	0.04 J	--	--	5 U	0.4 U	--	0.94 U	--	--	--
BNA	Nitrobenzene	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	--	0.89 U	0.48 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.9 U	--	--	--	0.4 UJ	--	0.94 U	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	--	0.89 UJ	0.48 UJ	1 UJ
BNA	Pentachloropheno	ug/L	4.9	3.7 U	--	--	5 U	0.8 U	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Phenol	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U	1 U
BNA	Pyrene	ug/L	15	0.37 U	--	--	5 U	0.4 U	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	0.4 U	1 U	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	**6.61**	**8.28**	**7.68**	**7.93**	**9.26**	**8.31**	**9.33**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	--
General	Oxidization Reduction Potentia	mV	--	--	--	--	**28**	**278**	**54**	**218**	**91**	**184**	**179**
General	pH	units	--	--	--	--	**6.54**	**6.53**	**7.31**	**7.43**	**6.8**	**7.56**	**7.09**
General	Salinity	%	--	--	--	--	**--**	**0.01**	**0**	**0.01**	**0**	**0**	**0.01**
General	Specific Conductivity	mS	--	--	--	--	**0.26**	**0.313**	**0.346**	**0.313**	**0.346**	**0.37**	**0.368**
General	Temperature	°C	--	--	--	--	**10.8**	**12.51**	**10.7**	**14.7**	**12.7**	**11.32**	**13.1**
General	Turbidity	ntu	--	--	--	--	**6.2**	**1.2**	**206**	**23.9**	**195**	**98.3**	**60.9**
PAH	1-Methylnaphthalene	ug/L	--	--	--	**0.059 J**	--	--	--	--	**--**	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	10 UJ	0.43 U	--	--	--	--	**--**	--	--
PAH	2-Methylnaphthalene	ug/L	--	**0.022 J**	10 UJ	**0.12 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.046 U	10 UJ	**0.075 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.046 U	10 UJ	**0.051 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	0.046 U	10 UJ	0.31 J	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.046 U	10 UJ	0.43 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.093 U	10 UJ	**0.23 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.093 U	10 UJ	**0.32 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.093 U	10 UJ	0.43 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.046 U	10 UJ	**0.12 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.046 U	10 UJ	**0.38 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.093 U	10 UJ	0.43 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.046 U	10 UJ	0.8 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.046 U	10 UJ	0.43 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	0 C	--	--	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.093 U	10 UJ	0.43 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	0.046 U	10 UJ	**0.25 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Phenanthrene	ug/L	--	**0.0089 J**	10 UJ	0.56 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	0.046 U	10 UJ	**0.56**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	0.037 U	--	--	0.074 U	0.038 U	0.074 U	0.074 U	0.074 U	0.077 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	--	--	190 U	96 U	93 U	190 U	94 U	94 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	460 U	240 U	190 U	460 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW02 03/17/2004	CW02 01/23/2006	CW02 09/18/2006	CW02 01/10/2008	CW02 2/16/2009	CW02 9/14/2009	CW02 5/3/2010	CW02 6/18/2012	CW02 5/6/2013
BNA	1,1'-Biphenyl	ug/L	--	**0.033 J**	5 UJ	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	5 U	--	--	--	--	0.45 UJ	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	0.86 UJ	0.45 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	0.86 UJ	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	0.98 UJ	0.86 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	0.86 UJ	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	0.86 UJ	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	1 U	--	0.86 UJ	0.45 UJ	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.45 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.37 U	20 U	0.8 U	1 U	2 UJ	0.86 UJ	0.45 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.74 U	5 U	0.4 U	1 U	2 UJ	0.86 UJ	0.45 UJ	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	0.74 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	--	20 U	4 U	10 U	7.8 UJ	0.86 UJ	0.45 UJ	2.1 U	4 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1.9 U	5 U	0.8 U	1 U	0.98 UJ	0.86 UJ	0.45 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.74 U	5 U	0.4 U	2 U	2 U	0.86 UJ	0.9 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	5 U	0.4 U	4 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	2-Chloropheno	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	1.7 UJ	0.45 UJ	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 U	0.98 UJ	0.86 UJ	0.45 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	1.9 U	5 U	0.4 U	1 U	2 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1.9 U	5 U	0.8 UJ	1 U	R	0.86 UJ	0.45 U	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 U	0.98 UJ	0.86 UJ	0.45 U	1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	3.7 U	20 UJ	2 U	4 U	2 UJ	0.86 UJ	0.9 U	1 U	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	0.37 U	5 U	0.8 U	1 U	2 UJ	0.86 UJ	0.45 UJ	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	0.37 U	5 U	0.4 UJ	2 U	R	0.86 UJ	0.45 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	4-Methylpheno	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	20 U	0.8 U	1 U	3.9 UJ	R	0.45 U	2.1 U	4 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	20 U	4 U	4 U	20 UJ	0.86 UJ	0.45 UJ	1 U	4 U
BNA	9H-Carbazole	ug/L	--	0.37 U	--	0.4 U	4 U	2 UJ	0.86 UJ	0.45 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	0.74 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	0.74 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	2 U	R	1.7 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	0.74 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	1.9 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	1.9 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	**4 J**	4 U	7.8 UJ	2.3 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.9 U	5 UJ	1 UJ	1 U	2 U	2.4 UJ	0.45 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	5 UJ	0.4 U	1 U	0.98 U	0.86 UJ	0.45 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	1 U	--	--	0.45 U	1 U	1 U
BNA	Caprolactam	ug/L	--	1.9 U	5 UJ	0.8 UJ	1 U	20 U	R	0.45 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	1.9 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	Diethylphthalate	ug/L	--	0.37 U	5 UJ	0.4 U	1 U	2 UJ	0.86 UJ	0.45 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.37 U	5 UJ	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.74 U	5 UJ	0.4 U	1 U	2 UJ	0.86 UJ	0.45 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	1.9 U	5 UJ	0.8 U	1 U	2 U	0.86 UJ	0.45 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.74 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	0.98 U	0.86 UJ	0.45 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	5 U	0.4 UJ	2 U	2 U	0.86 UJ	0.45 UJ	1 UJ	2 U
BNA	Hexachloroethane	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	0.98 U	0.86 UJ	0.45 UJ	1 UJ	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	3.7 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	Naphthalene	ug/L	83	0.37 U	5 U	0.4 UJ	--	0.98 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.45 UJ	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.9 U	--	0.4 UJ	--	0.98 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.45 UJ	1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	3.7 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Phenol	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U	1 U
BNA	Pyrene	ug/L	15	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	**3.28**	**3.27**	**3.27**	**0**	**5.38**	**1.58**	**2.2**	**1.72**
General	Eh	mV	--	--	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	--	**99**	**63**	**85**	**130**	**40**	**107**	**113**	**72**
General	pH	units	--	--	**7.1**	**7.01**	**7.07**	**6.81**	**7.01**	**7.35**	**7.51**	**7.18**
General	Salinity	%	--	--	**0.11**	**0.12**	**0.13**	**0.1**	**0.07**	**0.1**	**0.2**	**0.13**
General	Specific Conductivity	mS	--	--	**2.25**	**2.55**	**2.71**	**2.79**	**1.56**	**1.34**	**0.333**	**2.67**
General	Temperature	°C	--	--	**12.3**	**13.75**	**12.2**	**11.74**	**14.14**	**12.45**	**12.8**	**13.59**
General	Turbidity	ntu	--	--	**14.8**	**85.1**	**88**	**44.6**	**0**	**22.9**	**110**	**60.3**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.093 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.093 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.093 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.093 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	0 C	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.093 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	**0.06**	**0.043**	**0.071**
PAH	Phenanthrene	ug/L	--	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	0.046 U	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	0.037 U	0.074 U	0.037 U	0.074 U	0.077 U	0.074 U	0.077 U	0.077 U	0.076 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	190 U	93 U	93 U	190 U	93 U	94 U	97 U	98 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	230 U	**300**	460 U	190 U	190 U	190 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthen benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW05 4/28/1994	CW05 11/15/1995	CW05 11/06/2002	CW05 12/05/2002	CW05 01/08/2003	CW05 03/18/2004	CW05 01/24/2006	CW05 09/19/2006	CW05 01/9/2008	CW05 2/17/2009
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	--	5 U	--	--	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	1 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	--
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	--	0.37 U	20 U	0.8 U	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	20 U	4 U	10 U	8 U
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.8 U	1 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	4 U	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	--	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	--	1.9 U	20 U	0.8 U	1 U	1 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.4 U	1 U	2 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	--	1.9 U	5 UJ	0.8 UJ	1 U	16 UJ
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	--	1.9 U	20 U	0.8 UJ	1 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	--	3.7 U	20 U	2 U	4 U	2 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.8 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	2 U	20 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	--	20 U	0.8 U	1 U	4 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	--	1.9 U	20 U	4 U	4 U	20 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	--	0.37 U	--	0.4 U	4 U	2 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	**0.033 J**	5 U	0.4 U	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	**0.32 J**	5 U	0.4 U	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	--	0.8 UJ	2 U	R
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	**0.17 J**	5 U	0.4 U	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	0.74 U	5 U	0.4 U	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	1.9 U	5 U	0.4 U	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.4 U	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--	--	--	4 UJ	5 UJ	8 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	1 UJ	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.42 U	1 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	--
BNA	Caprolactam	ug/L	--	--	--	--	--	--	1.9 UJ	5 UJ	0.79 UJ	1 U	20 U
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	**0.14 J**	5 U	0.4 U	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	1.9 U	5 U	0.8 U	--	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	2 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.79 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	**2**	5 U	**1.2**	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	1 U	1 U
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	--	1.9 UJ	5 U	0.4 UJ	2 U	2 U
BNA	Hexachloroethane	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	1 U	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	3.7 U	5 U	0.4 U	--	--
BNA	Isophorone	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	--	0.37 U	5 U	0.4 UJ	--	1 U
BNA	Nitrobenzene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	--
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	--	1.9 U	--	0.4 UJ	--	1 U
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	--
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	3.7 U	5 U	0.79 U	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--
BNA	Phenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	**1.3**	5 U	**0.76**	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	**1.61**	**1.02**	**0.36**	**0**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	--	**24**	**-15**	**-38**	**-28**
General	pH	units	--	--	--	--	--	--	--	**6.87**	**6.52**	**7.19**	**7.2**
General	Salinity	%	--	--	--	--	--	--	--	**0.82**	**1.22**	**2.6**	**1.79**
General	Specific Conductivity	mS	--	--	--	--	--	--	--	**14.4**	**20.6**	**40.7**	**29.1**
General	Temperature	°C	--	--	--	--	--	--	--	**12.1**	**13.43**	**11.5**	**14.9**
General	Turbidity	ntu	--	--	--	--	--	--	--	**11.9**	**50**	**0.4**	**6.4**
PAH	1-Methylnaphthalene	ug/L	--	--	0.43 U	**0.17 J**	0.37 U	0.38 U	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	20 UJ	0.43 U	0.36 U	0.37 U	0.38 U	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	20 UJ	0.43 U	**0.23 J**	0.37 U	0.38 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Acenaphthene	ug/L	3.0	**8 J**	**4.6**	**0.43**	0.37 U	**0.092 J**	**0.023 J**	**0.049**	**0.056**	0.029 U	0.029 U
PAH	Acenaphthylene	ug/L	--	20 UJ	**0.21 J**	0.36 U	0.37 U	0.38 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Anthracene	ug/L	9	20 U	**0.3 J**	**0.19 J**	**0.29 J**	**0.11 J**	**0.33**	**0.037 J**	0.038 U	0.029 U	0.029 U
PAH	Benzo(a)anthracene	ug/L	0.030	20 UJ	0.43 U	0.36 U	0.37 U	0.38 U	**0.15**	**0.18**	**0.13**	**0.14**	**0.11**
PAH	Benzo(a)pyrene	ug/L	0.030	20 UJ	**0.24 J**	0.36 U	0.37 U	0.38 U	**0.058 J**	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	20 UJ	**0.41 J**	0.36 U	0.37 U	0.38 U	**0.054 J**	**0.041**	**0.034 J**	**0.034**	**0.035**
PAH	Benzo(g,h,i)perylene	ug/L	--	20 UJ	0.43 U	0.36 U	0.37 U	0.38 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	20 UJ	**0.15 J**	0.36 U	0.37 U	0.38 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Chrysene	ug/L	0.030	20 UJ	**0.44**	**0.054 J**	0.37 U	**0.085 J**	**0.13**	**0.18**	**0.14**	**0.12**	**0.071**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	20 UJ	0.43 U	0.73 U	0.74 U	1.9 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Fluoranthene	ug/L	3.0	**11 J**	**2.6**	**1.4**	**1.9**	**1.2**	**2.3**	**1.9**	**1.4**	**1.5**	**0.9**
PAH	Fluorene	ug/L	3.0	**6 J**	0.43 U	**0.44**	0.37 U	**0.077 J**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	HPAH	ug/L	0.25	--	--	**2.214 C**	**3.1 C**	**2.055 C**	**3.992 C**	**3.5 C**	**2.7 C**	**2.704 C**	**1.676 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	20 UJ	0.43 U	1.8 U	1.9 U	1.9 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U
PAH	Naphthalene	ug/L	83	20 UJ	**1.6**	**0.49**	0.37 U	**0.057 J**	0.046 U	**0.048**	0.038 U	**0.035**	0.029 U
PAH	Phenanthrene	ug/L	--	20 U	0.43 U	**1.1**	0.37 U	**0.29 J**	0.046 U	**0.033 J**	0.038 U	0.029 U	0.029 U
PAH	Pyrene	ug/L	15	20 UJ	**1.6**	**0.76**	**1.2**	**0.77**	**1.3**	**1.2**	**0.97**	**0.91**	**0.56**
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	0.037 U	0.074 U	0.038 U	0.074 U	0.075 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	--	190 U	190 U	93 U	93 U	190 U
TPH	TPH-GC/Motor Oil Range Organics	ug/L	--	--	--	--	--	--	--	460 U	230 U	190 U	480 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW05 9/15/2009	CW05 5/4/2010	CW05 6/19/2012	CW05 5/7/2013
BNA	1,1'-Biphenyl	ug/L	--	0.94 UJ	**15.3**	**21**	**9.9**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	0.47 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	0.94 U	0.47 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	0.94 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	0.94 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	0.94 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	0.94 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	0.94 U	--	**92**	**89**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	0.47 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.94 U	**0.65 J**	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.94 U	**0.62 J**	1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.94 U	0.47 UJ	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	0.94 U	0.47 U	2.1 U	4 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.94 U	0.94 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1.9 U	0.47 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	0.94 UJ	0.47 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	0.94 U	0.94 U	1 U	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	0.94 U	0.47 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	0.94 UJ	0.47 U	2.1 U	4 U
BNA	4-Nitrophenol	ug/L	--	0.94 U	0.47 UJ	1 U	4 U
BNA	9H-Carbazole	ug/L	--	0.94 U	**45**	**53**	**39**
BNA	Acenaphthene	ug/L	3.0	--	**--**	**--**	--
BNA	Acenaphthylene	ug/L	--	--	**--**	**--**	--
BNA	Anthracene	ug/L	9.0	--	**--**	**--**	--
BNA	Atrazine	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	0.94 U	0.47 UJ	**2**	**1.2 J**
BNA	Benzenemethanol	ug/L	--	1.9 UJ	**--**	**--**	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	**--**	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	**--**	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	**--**	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	**--**	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	**--**	--
BNA	Benzoic acid	ug/L	--	3.1 U	--	**--**	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.94 U	0.47 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	0.47 UJ	1 U	1 U
BNA	Caprolactam	ug/L	--	0.94 UJ	0.47 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--
BNA	Dibenzofuran	ug/L	--	0.94 U	**29 J**	**55**	**45**
BNA	Diethylphthalate	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.94 U	0.47 UJ	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.94 U	0.47 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	0.94 U	0.47 UJ	1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	0.94 U	0.47 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--
BNA	Isophorone	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Naphthalene	ug/L	83	--	**--**	--	--
BNA	Nitrobenzene	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.94 U	0.47 U	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.94 UJ	0.47 UJ	1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--
BNA	Phenol	ug/L	--	0.94 U	0.47 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**4.39**	**0**	**0.3**	**0**
General	Eh	mV	--	**--**	**--**	--	--
General	Oxidization Reduction Potential	mV	--	**-38**	**-26**	**-225**	**-240**
General	pH	units	--	**7.15**	**7.33**	**7.28**	**6.71**
General	Salinity	%	--	**1.52**	**1.7**	**1.6**	**1.45**
General	Specific Conductivity	mS	--	**25.1**	**28.4**	**2.57**	**24.2**
General	Temperature	°C	--	**13.46**	**11.82**	**12.3**	**12.25**
General	Turbidity	ntu	--	**0**	**15.5**	**7**	**40.4**
PAH	1-Methylnaphthalene	ug/L	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.029 U	**220**	**1.8**	**0.081**
PAH	Acenaphthene	ug/L	3.0	**0.074**	**74**	**81**	**87**
PAH	Acenaphthylene	ug/L	--	0.029 U	**1.6**	**1.9**	**1.8**
PAH	Anthracene	ug/L	9	0.029 U	**2.9**	**3.3**	**3.6**
PAH	Benzo(a)anthracene	ug/L	0.030	**0.13**	**0.43 J**	0.1 U	**0.31**
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	**0.043 J**	0.03 U	**0.097**
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.035**	**0.099 J**	0.033 U	**0.16**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.03 U	0.03 U	**0.085**
PAH	Chrysene	ug/L	0.030	**0.091**	**0.087**	0.1 U	**0.26**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**1.3**	**2.6**	**3.3**	**3.6**
PAH	Fluorene	ug/L	3.0	0.029 U	**28**	**40**	**38**
PAH	HPAH	ug/L	0.25	**2.396 C**	**4.859 C**	**4.8 C**	**7.212 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	**0.03 U**	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.059**	**3,600**	**890**	**260**
PAH	Phenanthrene	ug/L	--	0.029 U	**19**	**36**	**38**
PAH	Pyrene	ug/L	15	**0.84**	**1.6**	**1.5**	**2.7**
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	**80**	0.076 U	0.076 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	93 U	**7,000**	**2,700**	95 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA resu

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW09 11/14/1995	CW09 11/06/2002	CW09 12/05/2002	CW09 01/08/2003	CW09 03/18/2004	CW09 01/23/2006	CW09 09/18/2006	CW09 01/10/2008	CW09 2/19/2009	CW09 9/14/2009	CW09 5/3/2010	CW09 6/18/2012	CW09 5/6/2013
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.44 UJ	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.86 UJ	0.44 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.86 UJ	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	0.4 U	1 U	1 UJ	0.86 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.86 UJ	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.86 UJ	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	0.4 U	1 U	--	0.86 UJ	0.44 UJ	**1.6**	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.44 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	20 U	0.8 U	1 U	2.1 UJ	0.86 UJ	0.44 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2.1 UJ	0.86 UJ	0.44 UJ	1.1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	4 U	10 U	8.3 UJ	0.86 UJ	0.44 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	1.9 U	5 U	0.8 U	1 U	1 UJ	0.86 UJ	0.44 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	2 U	2.1 U	0.86 UJ	0.88 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	4 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.8 U	1 U	1 UJ	0.86 UJ	0.44 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	5 U	0.4 U	1 U	2.1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	1.9 U	5 U	0.8 UJ	1 U	R	0.86 UJ	0.44 U	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.8 U	1 U	1 UJ	0.86 UJ	0.44 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	3.7 U	20 UJ	2 U	4 U	2.1 UJ	0.86 UJ	0.88 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 U	1.1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.8 U	1 U	2.1 UJ	0.86 UJ	0.44 UJ	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	2 U	R	0.86 UJ	0.44 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	0.8 U	1 U	4.2 UJ	R	0.44 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	20 U	4 U	4 U	21 UJ	0.86 UJ	0.44 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	**0.062 J**	--	0.4 U	4 U	2.1 UJ	0.86 UJ	0.44 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	**0.28 J**	5 U	**0.11 J**	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	**0.015 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	**0.23 J**	0.86 UJ	0.44 UJ	1.1 U	2 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	0.8 U	2 U	R	0.86 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	0.74 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	1.9 U	5 U	**0.29 J**	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	1.9 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--	--	4 UJ	4 U	8.3 UJ	2.5 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	1.9 U	5 U	1 UJ	**1.2**	2.1 U	0.86 UJ	0.44 U	2.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	1.9 U	5 U	0.46 U	1 U	1 U	0.86 UJ	0.44 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	--	--	0.44 U	1.1 U	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	1.9 U	5 UJ	0.79 UJ	1 U	21 U	R	0.44 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	1.9 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	**0.12 J**	5 U	**0.07 J**	1 U	1 U	0.86 UJ	0.44 UJ	**2.2**	1 U
BNA	Diethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	2.1 UJ	0.86 UJ	0.44 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 U	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2 UJ	0.86 UJ	**4.7**	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	1.9 U	5 U	**0.65 J**	1 U	2.1 U	0.86 UJ	0.44 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	**0.054 J**	5 U	**0.11 J**	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	**0.065 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.86 UJ	0.44 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	1.9 U	5 U	0.4 UJ	2 U	2.1 U	0.86 UJ	0.44 UJ	1.1 UJ	2 U
BNA	Hexachloroethane	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.86 UJ	0.44 UJ	1.1 UJ	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	3.7 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	**0.4**	5 U	0.4 UJ	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	1.9 U	--	0.4 UJ	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 UJ	0.86 UJ	0.44 UJ	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.44 UJ	1.1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	3.7 U	5 U	0.79 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	**0.15 J**	5 U	**0.17 J**	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.86 UJ	0.44 UJ	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	**0.036 J**	5 U	**0.08 J**	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	0.4 U	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	--	**2.22**	**0.44**	**0.26**	**0**	**5.22**	**0**	**0.3**	**0**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**65**	**-57**	**-47**	**-32**	**-29**	**-48**	**-31**	**-48**
General	pH	units	--	--	--	--	--	--	**6.65**	**7**	**7.06**	**6.98**	**6.86**	**7.16**	**7.51**	**7.32**
General	Salinity	%	--	--	--	--	--	--	**0.82**	**0.8**	**2**	**1.1**	**1.32**	**1.5**	**1.3**	**3.2**
General	Specific Conductivity	mS	--	--	--	--	--	--	**14.4**	**16.3**	**31.9**	**19.6**	**22**	**25**	**2.21**	**49.9**
General	Temperature	°C	--	--	--	--	--	--	**11.8**	**13.71**	**11.2**	**11.76**	**13.97**	**13.03**	**13.4**	**14.81**
General	Turbidity	ntu	--	--	--	--	--	--	**2.8**	**25.1**	**28.5**	**23.5**	**0**	--	**180**	**144.4**
PAH	1-Methylnaphthalene	ug/L	--	0.44 U	**1.1**	0.39 U	**0.24 J**	--	--	--	--	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	0.44 U	0.37 U	0.39 U	0.38 U	--	--	--	--	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.44 U	**0.22 J**	0.39 U	**0.023 J**	0.046 U	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.44 U	**1.3**	**0.07 J**	**0.23 J**	**0.21**	0.037 U	**0.14**	**0.086**	0.029 U	**0.1**	**0.049**	**14**	**0.058**
PAH	Acenaphthylene	ug/L	--	**0.28 J**	0.37 U	0.39 U	0.38 U	0.046 U	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**0.26**	0.03 U
PAH	Anthracene	ug/L	9	0.44 U	**0.21 J**	0.39 U	**0.023 J**	0.046 U	**0.18**	**0.031 J**	**0.029 J**	0.029 U	0.029 U	0.031 U	**2.9**	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.44 U	0.37 U	0.39 U	0.38 U	0.046 U	**0.089**	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**2.7**	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	**0.38 J**	**0.045 J**	0.39 U	0.38 U	0.093 U	**0.035 J**	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**0.8**	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.71**	**0.084 J**	0.39 U	0.38 U	0.093 U	**0.06**	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**1.7**	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.44 U	0.37 U	0.39 U	0.38 U	0.093 U	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**0.18**	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	**0.33 J**	**0.032 J**	0.39 U	0.38 U	0.046 U	**0.027 J**	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**1.8**	0.03 U
PAH	Chrysene	ug/L	0.030	**0.72**	**0.16 J**	0.39 U	0.38 U	0.046 U	**0.11**	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**2**	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.44 U	0.74 U	0.78 U	1.9 U	0.093 U	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**0.065**	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.44 U	**0.98**	**0.057 J**	**0.058 J**	**0.045 J**	**0.49**	**0.071**	**0.061**	**0.04**	0.029 U	**0.081**	**13**	**0.04**
PAH	Fluorene	ug/L	3.0	0.44 U	**0.58**	0.39 U	**0.06 J**	**0.027 J**	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**7.8**	0.03 U
PAH	HPAH	ug/L	0.25	--	**1.911 C**	**0.057 C**	**0.113 C**	**0.073 C**	**1.1 C**	**0.12 C**	**0.097 C**	**0.04 C**	0.029 U	**0.117 C**	**30.425 C**	**0.04 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.44 U	1.9 U	2 U	1.9 U	0.093 U	0.037 U	0.037 U	0.03 U	0.029 U	0.029 U	0.031 U	**0.18**	0.03 U
PAH	Naphthalene	ug/L	83	**62.9**	**8.6**	**0.22 J**	**3**	**0.097**	**0.029 J**	0.037 U	0.03 U	0.029 U	0.029 U	**0.073**	**0.22**	**0.038**
PAH	Phenanthrene	ug/L	--	**0.99**	**2**	**0.1 J**	**0.18 J**	**0.032 J**	**0.037 J**	**0.17**	**0.063**	0.029 U	0.029 U	0.031 U	**20**	0.03 U
PAH	Pyrene	ug/L	15	0.44 U	**0.61**	0.39 U	**0.055 J**	**0.028 J**	**0.32**	**0.049**	**0.036**	0.029 U	0.029 U	**0.036**	**8**	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	0.037 U	**0.82**	0.037 U	0.077 U	0.075 U	0.074 U	0.078 U	0.077 U	0.076 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	190 U	190 U	93 U	96 U	190 U	93 U	96 U	**310**	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	230 U	190 U	460 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW12 11/14/1995	CW12 03/18/2004	CW12 01/25/2006	CW12 09/20/2006	CW12 01/9/2008	CW12 2/18/2009	CW12 9/16/2009	CW12 5/5/2010	CW12 6/20/2012	CW12 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	**3**	0.93 UJ	0.44 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	5 U	--	--	--	--	0.44 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	0.39 UJ	1 U	--	0.93 UJ	0.44 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	0.44 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	0.37 U	20 U	0.78 UJ	1 U	2 UJ	0.93 UJ	0.44 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	2 U	0.93 UJ	0.44 UJ	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	--	--	20 U	4 UJ	10 U	7.8 U	0.93 UJ	0.44 UJ	2.2 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	1.9 U	5 U	0.78 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	0.74 U	5 U	0.39 UJ	2 U	2 U	0.93 UJ	0.88 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	0.37 U	5 U	0.39 UJ	4 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	--	0.37 U	5 U	--	1 U	0.98 U	1.9 UJ	0.44 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	1.9 U	20 U	0.78 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	1.9 U	5 U	0.39 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	1.9 U	5 UJ	0.78 UJ	1 U	16 UJ	0.93 UJ	0.44 UJ	2.2 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	1.9 U	20 U	0.78 UJ	1 U	0.98 UJ	0.93 UJ	0.44 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	--	3.7 U	20 UJ	2 UJ	4 U	2 U	0.93 UJ	0.88 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	--	0.37 U	5 U	0.78 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	0.37 U	5 U	0.39 UJ	2 U	20 UJ	0.93 UJ	0.44 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	20 U	0.78 UJ	1 U	3.9 UJ	0.93 UJ	0.44 U	2.2 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	1.9 U	20 U	4 UJ	4 U	20 U	0.93 UJ	0.44 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	0.37 U	--	0.39 UJ	4 U	**2**	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	**0.067 J**	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	**0.031 J**	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	--	0.78 UJ	2 U	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	0.74 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	1.9 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	1.9 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	4 UJ	4 U	7.8 UJ	2.9 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	1.9 U	5 U	1 UJ	**4.8**	2 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	1.9 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	0.39 UJ	1 U	--	--	0.44 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	--	1.9 U	5 UJ	1.2 UJ	1 U	20 U	0.93 UJ	0.44 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	1.9 U	5 U	0.78 UJ	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	**0.067 J**	5 U	0.39 UJ	1 U	**8.7**	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	1.9 U	5 U	0.78 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	**0.089 J**	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	1.9 U	5 U	0.39 UJ	2 U	2 U	0.93 UJ	0.44 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	3.7 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	--	0.37 U	5 U	0.39 UJ	--	0.98 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	--	0.93 UJ	0.44 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	1.9 U	--	0.39 UJ	--	0.98 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	--	0.93 UJ	0.44 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	3.7 U	5 U	0.78 UJ	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	**0.15 J**	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	**0.079 J**	5 U	0.39 UJ	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	0.39 UJ	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	**5.12**	**2.26**	**2.84**	**8.09**	**2.98**	**1.61**	**2.63**	**2.19**
General	Eh	mV	--	--	--	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	--	--	**132**	**272**	**-4**	**25**	**160**	**121**	**70**	**57**
General	pH	units	--	--	--	**6.78**	**6.65**	**8.75**	**7.63**	**6.81**	**7.56**	7.2	**7.72**
General	Salinity	%	--	--	--	**0**	**0.01**	**0**	**0.01**	**0**	**0**	0	**0**
General	Specific Conductivity	mS	--	--	--	**0.319**	**0.282**	**0.329**	**0.286**	**0.327**	**0.33**	0.344	**0.963**
General	Temperature	°C	--	--	--	**13.41**	**16**	**12.1**	**12.49**	**14.92**	**12.65**	13.05	**14.22**
General	Turbidity	ntu	--	--	--	**1.2**	**22.7**	**23.2**	**31.8**	**24.9**	**11.2**	**59.9**	**84.2**
PAH	1-Methylnaphthalene	ug/L	--	**195**	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	0.43 U	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	**38.8**	0.046 U	0.037 U	0.037 U	0.031 U	**3.5**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	**237**	**0.058**	0.037 U	0.037 U	0.031 U	**19**	0.029 U	**0.044**	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	**5.3**	0.046 U	0.037 U	0.037 U	0.031 U	**0.27**	**0.61**	0.031 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	**17.6**	**0.031 J**	0.037 U	0.037 U	**0.057**	**2.7**	**0.43**	**0.039**	**0.063**	**0.063**
PAH	Benzo(a)anthracene	ug/L	0.030	**1.8**	**0.01 J**	0.037 U	0.037 U	0.031 U	**0.48**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	**0.36 J**	0.093 U	0.037 U	0.037 U	0.031 U	**0.11**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.73**	0.093 U	0.037 U	0.037 U	0.031 U	**0.21**	**0.047**	0.031 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.43 U	0.093 U	0.037 U	0.037 U	0.031 U	**0.037**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	**0.3 J**	0.046 U	0.037 U	0.037 U	0.031 U	**0.079**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	**2**	**0.013 J**	0.037 U	0.037 U	0.031 U	**0.48**	**0.065**	0.031 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.43 U	0.093 U	0.037 U	0.037 U	0.031 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**29.7**	**0.085**	0.037 U	0.037 U	0.031 U	**6.3**	**0.063**	0.031 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	**153**	**0.017 J**	0.037 U	0.037 U	0.031 U	**15**	**0.051**	0.031 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	--	**0.154 C**	0.037 U	0.037 U	0.031 U	**11.026 C**	**0.253 C**	0.031 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.43 U	0.093 U	0.037 U	0.037 U	0.031 U	**0.03**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**1,404**	0.046 U	0.037 U	0.037 U	0.031 U	**19**	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Phenanthrene	ug/L	--	**110**	**0.12**	0.037 U	**0.033 J**	0.031 U	**29**	**0.061**	0.031 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	**14.2**	**0.046 J**	0.037 U	0.037 U	0.031 U	**3.3**	**0.078**	0.031 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	--	0.037 U	0.074 U	0.037 U	0.078 U	0.075 U	**0.086**	0.078 U	0.077 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	**--**	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	**--**	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	**--**	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	190 U	93 U	96 U	190 U	94 U	94 U	96 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	460 U	230 U	**330**	480 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW15 11/14/1995	CW15 11/06/2002	CW15 12/05/2002	CW15 01/08/2003	CW15 03/18/2004	CW15 01/24/2006	CW15-FD 01/24/2006	CW15 09/19/2006	CW15-FD 09/19/2006	CW15 01/9/2008
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	**17**	5 U	**1.3 J**	**0.74**	**0.85**	**5.2**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	5 U	--	--	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	0.4 UJ	0.9 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	0.4 UJ	0.9 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.9 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	0.4 UJ	0.9 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	0.4 UJ	0.9 U
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	**11**	**13**	**36**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	20 U	20 U	0.8 U	0.8 U	0.9 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	20 U	4 U	4 U	9 U
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	0.8 U	0.8 U	0.9 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	4 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	**57**	5 U	**2.1 J**	**1.5**	**1.5**	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	20 U	0.8 U	0.8 U	0.9 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	1.9 U	5 U	5 UJ	0.8 UJ	0.8 UJ	0.9 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	20 U	0.8 U	0.8 U	0.9 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	--	--	--	--	3.7 U	20 U	20 U	2 U	2 U	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	4-Chloro-3-methylpheno	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.8 U	0.8 UJ	0.9 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 UJ	0.4 UJ	2 U
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	0.04 J	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	20 U	0.8 U	0.8 U	0.9 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	20 U	20 U	4 U	4 U	4 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	**16**	--	--	**2.8**	**3.4**	**10**
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	**73**	**18**	**39**	**14**	**17**	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	**0.35 J**	5 U	5 U	**0.11 J**	**0.12 J**	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	**12**	5 U	5 U	**0.35 J**	**0.4 J**	--
BNA	Atrazine	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	--	0.8 U	0.8 U	2 U
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	**5.5**	5 U	5 U	0.4 U	0.4 U	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	**1**	5 U	5 U	0.4 U	0.4 U	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	**1.3 J**	5 U	5 U	0.4 U	0.4 U	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	**0.19 J**	5 U	5 U	0.4 U	0.4 U	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	**1.2**	5 U	5 U	0.4 U	0.4 U	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--	--	--	4 UJ	4 UJ	5 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 UJ	0.4 U	0.9 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	1 UJ	1 UJ	0.9
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	0.4 U	0.4 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	0.4 U	0.9 U
BNA	Caprolactam	ug/L	--	--	--	--	--	1.9 U	5 UJ	5 UJ	0.8 UJ	**1.1 J**	0.9 U
BNA	Chrysene	ug/L	0.030	--	--	--	--	**4.7**	5 U	5 U	0.4 U	0.4 U	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	1.9 U	5 U	5 U	0.8 U	0.8 U	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	**59**	**7**	**14**	**4.6**	**5.5**	**24**
BNA	Diethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	0.81 U	0.81 U	0.9 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	**47**	**1.9 J**	**1.8 J**	**1.3**	**1.4**	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	**58**	**2.1 J**	**4.1 J**	**2.4**	**2.6**	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 UJ	0.4 UJ	0.9 U
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	1.9 U	5 U	5 U	0.4 UJ	0.4 UJ	2 U
BNA	Hexachloroethane	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 UJ	0.4 UJ	0.9 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	**0.21 J**	5 U	5 U	0.4 U	0.4 U	--
BNA	Isophorone	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Naphthalene	ug/L	83	--	--	--	--	**270**	52	**100**	45 J	58 J	**265**
BNA	Nitrobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	1.9 U	--	--	0.4 UJ	0.4 UJ	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	0.37 U	5 UJ	5 U	0.4 U	0.4 U	0.9 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	3.7 U	5 U	5 U	0.81 U	0.81 U	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	**160**	**17**	**19**	**8.5**	**9.5**	--
BNA	Phenol	ug/L	--	--	--	--	--	0.37 U	5 U	5 U	0.4 U	0.4 U	0.9 U
BNA	Pyrene	ug/L	15	--	--	--	--	**27**	5 U	5 U	**0.71**	**0.75**	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.9 U
General	Dissolved Oxygen	mg/L	--	--	--	--	--	--	**1.33**	--	**0**	--	**0.24**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	-281	--	0.8	--	**-252**
General	pH	units	--	--	--	--	--	--	**6.63**	--	**6.41**	--	**6.96**
General	Salinity	%	--	--	--	--	--	--	**0.3**	--	--	--	**1.7**
General	Specific Conductivity	mS	--	--	--	--	--	--	**5.72**	--	**14**	--	**28.7**
General	Temperature	°C	--	--	--	--	--	--	**11.8**	--	**-212**	--	**11.3**
General	Turbidity	ntu	--	--	--	--	--	--	**27**	--	**49.5**	--	**0**
PAH	1-Methylnaphthalene	ug/L	--	**125**	**16.4**	**7.2**	**16.3**	--	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	0.45 U	0.37 U	0.38 U	0.38 U	--	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	**147**	**10.1**	0.38 U	**8.7**	**51**	**3.6**	**0.72**	**4.4**	**3**	**12**
PAH	Acenaphthene	ug/L	3.0	**140**	**41.3**	**57.6**	**131**	**79**	**71**	**73**	**21**	**16**	**85**
PAH	Acenaphthylene	ug/L	--	**1.7**	**0.36 J**	**0.52**	**0.99**	**0.23 J**	**0.46**	**0.43**	**0.27**	**0.24**	**0.39**
PAH	Anthracene	ug/L	9	**11.4**	2.7	2.1	4.5	**12**	1.2	0.98	0.9	0.87	1.4
PAH	Benzo(a)anthracene	ug/L	0.030	**0.85**	**1.2**	**0.95**	**1.7**	**5.8**	**0.15**	**0.14**	**0.29**	**0.72**	**0.15**
PAH	Benzo(a)pyrene	ug/L	0.030	**0.27 J**	**0.2 J**	**0.19 J**	**0.34 J**	**0.93**	**0.022 J**	**0.021 J**	**0.066**	**0.13**	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.45**	**0.41**	**0.36 J**	**0.64**	**1.3**	**0.048**	**0.046**	**0.14**	**0.22**	**0.048**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.45 U	**0.046 J**	0.38 U	**0.078 J**	**0.16**	0.037 U	0.037 U	0.037 U	0.037 U	0.029 UJ
PAH	Benzo(k)fluoranthene	ug/L	0.030	**0.19 J**	**0.14 J**	**0.15 J**	**0.22 J**	**0.94**	**0.02 J**	**0.019 J**	**0.09**	**0.17**	0.029 U
PAH	Chrysene	ug/L	0.030	**0.9**	**0.96**	**0.87**	**1.5**	**4.5**	**0.17**	**0.16**	**0.32**	**0.66**	**0.14**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.45 U	0.74 U	0.75 U	1.9 U	**0.14**	0.037 U	0.037 U	0.037 U	0.037 U	0.029 U
PAH	Fluoranthene	ug/L	3.0	**22.3**	**9.6**	**6.3**	**14**	**52**	**2.1**	**1.7**	**2**	**3**	**2.3**
PAH	Fluorene	ug/L	3.0	**71.2**	**26.8**	**33.9**	**51.7**	**66**	**6.6**	**3.3**	**4.2**	**4.6**	**11**
PAH	HPAH	ug/L	0.25	--	**17.756 C**	**12.32 C**	**26.347 C**	**92.02 C**	**3.6 C**	**3 C**	**4.1 C**	**6.8 C**	**3.738 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.45 U	1.9 U	1.9 U	**0.069 J**	**0.25**	0.037 U	0.037 U	0.037 U	0.037 U	0.029 U
PAH	Naphthalene	ug/L	83	**1,154**	**98.8**	**4.2**	**49.3**	**390**	**220**	**91**	**120**	**81**	265 **
PAH	Phenanthrene	ug/L	--	**124**	**38.9**	**38.6**	**78.2**	**170**	**30**	**28**	**11**	**8.1**	**33**
PAH	Pyrene	ug/L	15	**10.6**	**5.2**	**3.5**	**7.8**	**26**	**1.1**	**0.95**	**1.2**	**1.9**	**1.1**
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	0.037 U	0.074 U	0.074 U	0.037 U	0.037 U	0.074 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	190 U	**1,200**	**1,100**	**350**	**350**	**770**
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	460 U	240 U	230 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	CW15-FD 01/9/2008	CW15 2/17/2009	CW15-FD 2/17/2009	CW15 9/15/2009	CW15-FD 9/15/2009	CW15 5/4/2010	CW15-FD 5/4/2010	CW15 6/19/2012	CW15-FD 6/19/2012	CW15 5/7/2013	CW15-FD 5/7/2013
BNA	1,1'-Biphenyl	ug/L	--	**5.7**	**1.8**	**1.6**	**0.8 J**	1 UJ	**4.8**	**3.7**	**1.5**	**2.1**	**7.2 J**	**6.7**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	**--**	--	0.5 U	0.47 U	1 U	1 U	1 UJ	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	0.9 U	1 UJ	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	0.9 U	1 UJ	0.94 U	0.94 U	1 UJ	--	--	--	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	0.9 U	1 U	0.94 U	0.94 UJ	1 UJ	--	--	--	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	--	--	--	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	0.9 U	1 UJ	0.94 U	0.94 U	1 UJ	--	--	--	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	**42**	--	--	**12**	**0.9 J**	**32**	**29**	**14 J**	**22**	**56**	**55**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.5 U	0.47 U	1 U	1 U	2.1 U	2.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.9 U	2 U	1.9 UJ	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	2.1 UJ	2.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.9 U	2 UJ	1.9 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	2.1 U	2.1 U
BNA	2,4-Dichlorophenol	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.48 U	0.47 U	1 U	1 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.9 U	1 UJ	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	9.4 U	8 U	7.5 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	2.1 U	2.1 U	4.2 UJ	4.2 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	2.1 U	2.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	2 U	1.9 U	0.94 U	1 UJ	1 U	0.94 U	1 UJ	1 U	2.1 U	2.1 U
BNA	2-Chloronaphthalene	ug/L	--	4 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	0.9 U	1 U	0.94 U	1.9 U	2 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	2.1 U	2.1 U
BNA	2-Nitrophenol	ug/L	--	0.9 U	1 U	1.9 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	0.9 U	16 UJ	15 UJ	0.94 UJ	1 UJ	0.5 UJ	0.47 UJ	2.1 U	2.1 U	1 UJ	1 U
BNA	3-Nitroaniline	ug/L	--	0.9 U	1 UJ	0.94 UJ	0.94 U	1 UJ	0.5 UJ	0.47 U	1 U	1 U	2.1 UJ	2.1 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	4 U	2 U	1.9 U	0.94 U	1 UJ	1 U	0.94 U	1 U	1 U	4.2 U	4.2 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	0.9 U	2 UJ	1.9 UJ	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	2.1 U	2.1 U
BNA	4-Chloroaniline	ug/L	--	2 U	20 UJ	19 UJ	0.94 UJ	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	0.9 U	4 U	3.8 UJ	0.94 UJ	1 UJ	0.5 U	0.47 U	2.1 U	2.1 U	**2.5 J**	4.2 U
BNA	4-Nitrophenol	ug/L	--	4 U	R	19 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	4.2 UJ	4.2 U
BNA	9H-Carbazole	ug/L	--	**11 J**	**3.4**	**3.6**	**3**	1 UJ	**17**	**14**	**8.7**	**7.4**	**14**	**14**
BNA	Acenaphthene	ug/L	3.0	--	--	--	**--**	--	**--**	**--**	**--**	**--**	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	**--**	--	**--**	**--**	**--**	**--**	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	**--**	--	**--**	**--**	**--**	**--**	--	--
BNA	Atrazine	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	2.1 U	2.1 U
BNA	Benzenemethanol	ug/L	--	2 U	R	R	1.9 UJ	2 UJ	--	--	--	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	5 U	8 UJ	7.5 UJ	4 UJ	4.2 UJ	--	--	--	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	0.9 U	2 U	1.9 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	2 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	2.1 U	2.1 U
BNA	Caffeine	ug/L	--	0.9 U	--	--	--	--	0.5 UJ	0.47 UJ	1 U	1 U	1 UJ	1 U
BNA	Caprolactam	ug/L	--	0.9 U	20 UJ	19 U	0.94 UJ	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	2.1 UJ	2.1 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	**26**	**29**	**27**	**26**	**3.5 J**	**30**	**26**	**21**	**25**	**45**	**39**
BNA	Diethylphthalate	ug/L	--	0.9 U	2 U	1.9 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 U	1 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.9 U	2 U	1.9 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	0.9 U	2 U	1.9 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	2.1 U	2.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.9 U	1 UJ	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	2 UJ	1.9 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	2.1 UJ	2.1 UJ
BNA	Hexachloroethane	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Naphthalene	ug/L	83	**300**	1 U	0.94 U	--	--	--	--	--	--	--	--
BNA	Nitrobenzene	ug/L	--	0.9 U	--	--	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	1 U	0.94 U	--	--	--	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 UJ	1 U	2.1 U	2.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.9 U	--	--	0.94 UJ	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 U	1 UJ	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	0.9 U	1 U	0.94 U	0.94 U	1 UJ	0.5 U	0.47 U	1 U	1 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	0.9 U	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	**0**	--	**4.37**	--	**0**	--	**0.49**	--	**0**	--
General	Eh	mV	--	--	--	--	**--**	--	**--**	--	--	--	--	--
General	Oxidization Reduction Potentia	mV	--	**--**	**-286**	**--**	**-109**	**--**	**-269**	**--**	**-310**	--	**-302**	--
General	pH	units	--	--	**6.98**	--	**6.75**	--	**6.73**	--	**7.1**	--	**7.1**	--
General	Salinity	%	--	--	**1.17**	--	**0.59**	--	**1**	--	**1.5**	--	**2.8**	--
General	Specific Conductivity	mS	--	--	**19.6**	--	**9.99**	--	**16.8**	--	**24.3**	--	**43.3**	--
General	Temperature	°C	--	--	**14.6**	--	**13.81**	--	**11.81**	--	**12.36**	--	**13.37**	--
General	Turbidity	ntu	--	--	**90.3**	--	**0**	--	**3.1**	--	**7.8**	--	**48.2**	--
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	**--**	--	--	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	**--**	--	--	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	**10**	**1.3**	**0.53**	0.029 U	0.029 U	**8.6**	**0.26**	**1.7**	**1.2**	**1.6**	**1.4**
PAH	Acenaphthene	ug/L	3.0	**70**	**60**	**35**	**160**	**160**	**170**	**180**	**66**	**56**	**93**	**100**
PAH	Acenaphthylene	ug/L	--	**0.33**	**0.37**	**0.21**	**0.67**	**0.79**	**1.8**	**1.7**	**1.2**	**0.99**	**1.6**	**1.8**
PAH	Anthracene	ug/L	9	1.2	1.4	1	1.9	1.8	2.7	2.1	**2.2**	**2.2**	**4.6**	**9.9**
PAH	Benzo(a)anthracene	ug/L	0.030	**0.13**	**0.14**	**0.11**	**0.18**	**0.17**	**0.31 J**	**0.31 J**	0.17 U	0.14 U	**3.9**	**6.7**
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.049**	0.03 U	**1**	**2.2**
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.036**	**0.054**	**0.031**	**0.064**	**0.059**	**0.09 J**	**0.092 J**	0.069 U	0.043 U	**1.5**	**3.1**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 UJ	0.031 UJ	0.03 U	0.03 U	**0.19**	**0.41**
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	**0.024 J**	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.042 U	0.03 U	**0.86**	**2**
PAH	Chrysene	ug/L	0.030	**0.13**	**0.13**	**0.098**	**0.14**	**0.14**	**0.12**	**0.12**	0.16 U	0.13 U	**3.8**	**6.9**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U	0.03 U	**0.076**	**0.18**
PAH	Fluoranthene	ug/L	3.0	**1.9**	**3.4**	**2.7**	**3.3**	**3.5**	**3.9**	**4.6**	**2.7**	**2.6**	**13**	**37**
PAH	Fluorene	ug/L	3.0	**9**	**14**	**6.8**	**0.13**	**0.61**	**36**	**21**	**7.4**	**5.7**	**32**	**31**
PAH	HPAH	ug/L	0.25	**3.186 C**	**5.348 C**	**4.139 C**	**5.284 C**	**5.569 C**	**6.42 C**	**7.222 C**	**3.9 C**	**3.8 C**	**33.316 C**	**84.9 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U	0.03 U	**0.19**	**0.41**
PAH	Naphthalene	ug/L	83	300 **	**47**	**24**	**0.5**	**1.4**	**340**	**130**	**98**	**68**	**160**	**140**
PAH	Phenanthrene	ug/L	--	**29**	**35**	**27**	**6.8**	**15**	**37**	**30**	**17**	**15**	**40**	**69**
PAH	Pyrene	ug/L	15	**0.99**	**1.6**	**1.2**	**1.6**	**1.7**	**2**	**2.1**	**1.2**	**1.2**	**8.8**	**26**
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	**0.077**	0.077 U	0.074 U	0.074 U	**0.31**	**0.19**	0.078 U	0.076 U	0.077 U	0.078 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	**900**	**500**	**590**	**550**	**600**	**2,100**	**1,500**	**830**	**720**	98 U	97 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	190 U	460 U	460 U	190 U	190 U	190 U	190 U	190 U	190 U	200 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA resul

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	02CD-MW01 01/08/2003	02CD-MW01 03/18/2004	02CD-MW01 01/23/2006	02CD-MW01 09/18/2006	02CD-MW01 01/10/2008	02CD-MW01 2/16/2009	02CD-MW01 9/14/2009	02CD-MW01 5/3/2010	02CD-MW01 6/18/2012	02CD-MW01 5/6/2013
BNA	1,1'-Biphenyl	ug/L	--	--	**0.027 J**	5 UJ	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	5 U	--	--	--	--	0.48 UJ	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.9 U	1 U	0.89 UJ	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	0.39 U	0.9 U	1 UJ	0.89 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.9 U	1 U	0.89 UJ	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.9 U	1 U	0.89 UJ	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	0.39 U	0.9 U	--	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	0.48 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	0.37 U	20 U	0.78 U	0.9 U	2 UJ	0.89 UJ	0.48 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	2 UJ	0.89 UJ	0.48 UJ	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	--	--	20 U	4 U	9.3 U	8.2 UJ	0.89 UJ	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	1.9 U	5 U	0.78 U	0.9 U	1 UJ	0.89 UJ	0.48 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	0.74 U	5 U	0.39 U	1.9 U	2 U	0.89 UJ	0.96 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	0.37 U	5 U	0.39 U	4 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	1.78 UJ	0.48 UJ	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	1.9 U	20 U	0.78 U	0.9 U	1 UJ	0.89 UJ	0.48 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	1.9 U	5 U	0.39 U	0.9 U	2 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	1.9 U	5 U	0.78 UJ	0.9 U	-- R	0.89 UJ	0.48 U	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	1.9 U	20 U	0.78 U	0.9 U	1 UJ	0.89 UJ	0.48 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	--	3.7 U	20 UJ	2 U	4 U	2 UJ	0.89 UJ	0.96 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	1 U	0.89 UJ	0.48 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	--	0.37 U	5 U	0.78 U	0.9 U	2 UJ	0.89 UJ	0.48 UJ	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	0.37 U	5 U	0.39 UJ	2 U	R	0.89 UJ	0.48 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	20 U	0.78 U	0.9 U	4.1 UJ	R	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	1.9 U	20 U	4 U	4 U	20 UJ	0.89 UJ	0.48 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	0.37 U	--	**0.12 J**	4 U	2 UJ	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	--	0.78 U	1.9 U	-- R	1.78 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	0.74 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	1.9 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	1.9 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	**9.6 J**	4 U	8.2 UJ	0.89 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	1.9 U	5 UJ	1 UJ	0.9 U	2 U	2.1 UJ	0.48 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	1.9 U	5 UJ	0.54 U	0.9 U	1 U	0.89 UJ	0.48 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	0.39 UJ	0.9 U	--	--	0.48 U	1.1 U	1 U
BNA	Caprolactam	ug/L	--	--	1.9 U	**1.6 J**	0.78 UJ	0.9 U	20 U	R	0.48 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	1.9 U	5 U	0.78 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	2 UJ	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	0.74 U	5 UJ	0.39 U	0.9 U	2 UJ	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	1.9 U	5 UJ	0.78 U	0.9 U	2 U	0.89 UJ	0.48 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	0.37 U	5 U	**0.1 J**	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	0.37 U	5 UJ	0.39 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	0.37 U	5 U	0.39 UJ	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	1.9 U	5 U	0.39 UJ	2 U	2 U	0.89 UJ	0.48 UJ	1.1 UJ	2 U
BNA	Hexachloroethane	ug/L	--	--	0.37 U	5 U	0.39 UJ	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 UJ	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	3.7 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	Naphthalene	ug/L	83	--	0.37 U	5 U	0.39 U	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	--	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	1.9 U	--	0.39 UJ	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	--	0.89 UJ	0.48 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	3.7 U	5 U	0.78 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	0.37 U	5 U	**0.1 J**	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	**0.22 J**	0.9 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	**2.01**	**0.93**	**4.17**	**1.95**	**2.24**	**0**	**2**	**1.06**
General	Eh	mV	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	--	--	**-152**	**33**	**39**	**-60**	**-105**	**-28**	**127**	**65**
General	pH	units	--	--	--	**8.29**	**8.87**	**8.52**	**9.03**	**8.54**	**7.6**	**8.93**	**8.98**
General	Salinity	%	--	--	--	**0.01**	**0.01**	**0**	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	**0.223**	**0.318**	**3**	**0.269**	**0.388**	**0.294**	**37.7**	**0.945**
General	Temperature	°C	--	--	--	**15.6**	**17.38**	**13.7**	**13.16**	**15.97**	**13.73**	**13.6**	**15.08**
General	Turbidity	ntu	--	--	--	**41.6**	**33.5**	**35.3**	**28.2**	**9.7**	**29.6**	**21**	**83.3**
PAH	1-Methylnaphthalene	ug/L	--	0.37 U	--	--	--	--	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	0.37 U	--	--	--	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.37 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	**0.033 J**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.37 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	**0.041 J**	**0.011 J**	0.037 U	0.038 U	0.029 U	**0.059**	**0.042**	**0.24**	**0.041**	**0.042**
PAH	Benzo(a)anthracene	ug/L	0.030	0.37 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.37 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.057 J**	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.37 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	**0.05 J**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	1.9 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.16 J**	**0.0097 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.37 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	**0.417 C**	**0.0097 C**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	1.9 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.039 J**	0.046 U	**0.033 J**	0.038 U	0.029 U	0.029 U	0.029 U	**0.081**	**0.032**	**0.038**
PAH	Phenanthrene	ug/L	--	**0.059 J**	**0.0073 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	**0.15 J**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	--	0.037 U	0.074 U	0.038 U	0.075 U	0.074 U	0.074 U	0.077 U	0.076 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	190 U	93 U	93 U	190 U	93 U	98 U	97 U	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	**580**	230 U	190 U	460 U	190 U	200 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	99CD-MW02 11/07/2002	99CD-MW02 12/05/2002	99CD-MW02 01/08/2003	99CD-MW02 03/19/2004	99CD-MW02 06/14/2004	99CD-MW02 01/24/2006	99CD-MW02 09/19/2006	99CD-MW02 01/10/2008	99CD-MW02 2/17/2009	99CD-MW02 9/16/2009	99CD-MW02 5/4/2010	99CD-MW02 6/19/2012	99CD-MW02 5/7/2013
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 UJ	0.49 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.49 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	0.9 U	0.98 UJ	0.96 U	0.49 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	0.9 U	0.98 UJ	0.96 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	0.98 U	0.96 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	0.9 U	0.98 U	0.96 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	0.9 U	0.98 UJ	0.96 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	--	0.96 U	0.49 U	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.49 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	20 U	0.8 U	0.9 U	2 U	0.96 U	0.49 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	2 U	0.96 U	0.49 UJ	1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	4 U	9.4 U	7.8 U	0.96 U	0.49 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	3.7 U	5 U	0.8 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	1.9 U	5 U	0.4 U	1.9 U	2 U	0.96 U	0.98 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	4 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	**0.16 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	1.9 U	0.49 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.8 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	5 U	0.4 U	0.9 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	3.7 U	5 UJ	0.8 UJ	0.9 U	16 UJ	0.96 UJ	0.49 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.8 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	3.7 U	20 U	2 U	4 U	2 U	0.96 U	0.98 U	1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.8 U	0.9 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	2 U	20 UJ	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	0.8 U	0.9 U	3.9 U	0.96 UJ	0.49 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	20 U	4 U	4 U	20 U	0.96 U	0.49 UJ	1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	**0.074 J**	--	0.4 U	4 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	**0.22 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	**0.046 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 UJ	1 U	2 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	0.8 U	2 U	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--	--	4 UJ	4 U	7.8 UJ	1 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	0.37 U	5 U	1 UJ	0.9 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	--	--	0.49 UJ	1 U	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	0.74 U	5 UJ	**1.1 J**	0.9 U	20 U	0.96 UJ	0.49 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	1.9 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	**0.12 J**	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	1.9 U	5 U	0.8 U	0.9 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	**0.14 J**	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	**0.28 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	**0.14 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	0.9 U	0.98 U	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 UJ	2 U	2 U	0.96 U	0.49 UJ	1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 UJ	0.9 U	0.98 U	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	1.9 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	1.8	5 U	0.14 J	--	0.98 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	--	0.96 U	0.49 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	0.37 U	--	0.4 UJ	--	0.98 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	--	0.96 UJ	0.49 UJ	1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	**0.94 J**	5 U	**2.3**	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	**0.29 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	**0.16 J**	5 U	0.4 U	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	--	**2.53**	**4.62**	**5.97**	**3.7**	**4.09**	**2.8**	**2.7**	**3.63**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**-259**	**-1**	**-64**	**-92**	**-161**	**53**	**-71**	**-2**
General	pH	units	--	--	--	--	--	--	**8.11**	**7.56**	**7.92**	**7.99**	**7.75**	**8.24**	**8.16**	**8.09**
General	Salinity	%	--	--	--	--	--	--	**0.01**	**0.001**	**0**	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	--	--	--	**0.231**	**0.292**	**0.289**	**0.299**	**0.331**	**0.244**	**33.1**	**0.864**
General	Temperature	°C	--	--	--	--	--	--	**12.6**	**14**	**11.7**	**15.2**	**14.8**	**12.47**	**13**	**14.24**
General	Turbidity	ntu	--	--	--	--	--	--	**18**	**99.8**	**10**	**47.8**	**21**	**50.7**	**210**	**179**
PAH	1-Methylnaphthalene	ug/L	--	0.38 U	0.38 U	0.37 U	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	0.38 U	0.38 U	0.37 U	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	0.38 U	0.38 U	0.37 U	0.046 U	**0.14**	**0.14**	0.038 U	**0.043**	**0.048**	0.029 U	**0.038**	**0.064**	0.031 U
PAH	Acenaphthene	ug/L	3.0	**0.021 J**	**0.092 J**	**0.15 J**	**0.048**	**0.24**	**0.11**	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Acenaphthylene	ug/L	--	0.38 U	0.38 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Anthracene	ug/L	9	0.38 U	0.38 U	0.37 U	0.046 U	0.044 J	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.38 U	0.38 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.38 U	0.38 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.38 U	0.38 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.38 U	0.38 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.38 U	0.38 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Chrysene	ug/L	0.030	0.38 U	0.38 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.75 U	0.77 U	1.9 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	**0.11 J**	**0.069 J**	**0.07 J**	**0.085**	**0.3**	**0.2**	**0.032 J**	0.029 U	0.029 U	**0.064**	0.029 U	0.03 U	0.031 U
PAH	Fluorene	ug/L	3.0	0.38 U	**0.05 J**	**0.11 J**	**0.025 J**	**0.16**	**0.041**	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	HPAH	ug/L	0.25	**0.23 C**	**0.069 C**	**0.131 C**	**0.119 C**	**0.44 C**	**0.33 C**	**0.032 J**	0.029 U	0.029 U	**0.107 C**	0.029 U	0.03 U	0.031 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	1.9 U	1.9 U	1.9 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Naphthalene	ug/L	83	0.38 U	0.38 U	**0.024 J**	0.046 U	**1.7**	**2.1**	**0.19**	**0.61**	**0.58**	0.029 U	**0.29**	**0.9**	**0.098**
PAH	Phenanthrene	ug/L	--	0.38 U	**0.039 J**	**0.079 J**	**0.02 J**	**0.28**	**0.11**	0.038 U	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	**0.038**
PAH	Pyrene	ug/L	15	**0.12 J**	0.38 U	**0.061 J**	**0.034 J**	**0.14**	**0.13**	0.038 U	0.029 U	0.029 U	**0.043**	0.029 U	0.03 U	0.031 U
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	**0.43**	**1.2**	**3.2**	**0.71**	**1.1**	**0.55 J**	**0.16**	**0.61**	0.079 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	**--**	--	**--**	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	**--**	--	**--**	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	**--**	--	**--**	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	93 U	190 U	96 U	93 U	190 U	93 U	98 U	96 U	97 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	240 U	**250**	460 U	190 U	200 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	99CD-MW04 11/07/2002	99CD-MW04 12/05/2002	99CD-MW04 01/08/2003	99CD-MW04 03/19/2004	99CD-MW04 06/14/2004	99CD-MW04 01/24/2006	99CD-MW04 09/18/2006	99CD-MW04 01/09/2008	99CD-MW04 2/18/2009	99CD-MW04 9/16/2009	99CD-MW04 5/5/2010	99CD-MW04 6/20/2012	99CD-MW04 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	0.37 U	5 UJ	0.39 U	1 U	1 U	0.94 UJ	0.48 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.48 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	1 U	0.94 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	0.39 U	1 U	1 U	0.94 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	1 U	0.94 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	1 U	0.94 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	--	0.94 U	0.48 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.48 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	20 U	0.78 U	1 U	2 UJ	0.94 U	0.48 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	2 U	0.94 U	0.48 UJ	1.1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	3.8 U	10 U	8 U	0.94 U	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	3.7 U	5 U	0.78 U	1 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	1.9 U	5 U	0.39 U	2 U	2 U	0.94 U	0.96 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	4 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	1.9 U	0.48 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	5 U	0.39 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	3.7 U	5 UJ	0.78 UJ	1 U	16 UJ	0.94 UJ	0.48 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1.9 U	20 U	0.78 UJ	1 U	1 UJ	0.94 U	0.48 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	3.7 U	20 UJ	1.9 U	4 U	2 U	0.94 U	0.96 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.78 U	1 U	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	2 U	20 UJ	0.94 UJ	0.48 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	0.78 U	1 U	4 UJ	0.94 UJ	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	20 U	3.8 U	4 U	20 U	0.94 U	0.48 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	0.37 U	--	0.39 U	4 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	0.74 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	0.74 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 UJ	1.1 U	2 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	0.78 UJ	2 U	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--	--	3.9 UJ	5 UJ	8 UJ	0.94 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	0.37 U	5 UJ	1 UJ	1.1	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	0.37 U	5 UJ	0.4 U	1 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.39 U	1 U	--	--	0.48 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	0.74 U	5 UJ	0.78 UJ	1 U	20 U	0.94 UJ	0.48 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	1.9 U	5 U	0.78 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 UJ	0.39 U	**0.1 J**	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	0.37 U	5 UJ	0.39 U	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	0.37 U	5 UJ	0.39 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	1.9 U	5 UJ	0.78 U	1 U	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	0.74 U	5 U	0.39 UJ	2 U	2 U	0.94 U	0.48 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	1.9 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	0.37 U	5 U	0.39 UJ	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	--	0.94 U	0.48 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	0.37 U	--	0.39 UJ	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	--	0.94 UJ	0.48 UJ	1.1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	1.9 U	5 U	0.78 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	0.39 U	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	--	**4.38**	**3.65**	**4.19**	**1.67**	**5.1**	**0.81**	**2.9**	**1.13**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**-78**	**18**	**-15**	**26**	**76**	**-50**	**9**	**-86**
General	pH	units	--	--	--	--	--	--	**7.57**	**6.89**	**7.97**	**8.05**	**6.65**	**7.9**	**7.82**	**7.84**
General	Salinity	%	--	--	--	--	--	--	**0.01**	**0.01**	**0**	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	--	--	--	**0.213**	**0.274**	**0.308**	**0.325**	**0.313**	**0.284**	**35.1**	**0.933**
General	Temperature	°C	--	--	--	--	--	--	**14.4**	**15.76**	**13.6**	**15.9**	**15.37**	**13.33**	**13.8**	**13.95**
General	Turbidity	ntu	--	--	--	--	--	--	**4.7**	**25**	**66.4**	**34.6**	**145**	**77.5**	**100**	**397**
PAH	1-Methylnaphthalene	ug/L	--	0.37 U	0.37 U	0.37 U	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	0.37 U	0.37 U	0.37 U	--	--	--	--	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	0.37 U	0.37 U	0.37 U	**0.023 J**	**0.011 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.37 U	0.37 U	**0.072 J**	**0.046 J**	**0.011 J**	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.37 U	0.37 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	**0.034 J**	0.37 U	**0.026 J**	0.046 U	0.046 U	0.037 U	0.038 U	**0.037**	0.029 U	0.029 U	0.031 U	**0.033**	**0.033**
PAH	Benzo(a)anthracene	ug/L	0.030	0.37 U	0.37 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.37 U	0.37 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 UJ	0.031 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.37 U	0.37 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 UJ	0.031 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.37 U	0.37 U	0.37 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 UJ	0.031 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	0.37 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.37 U	0.37 U	0.37 U	0.046 U	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.74 U	0.74 U	1.9 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 UJ	0.031 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.039 J**	0.37 U	**0.048 J**	**0.08**	0.046 U	0.037 U	0.038 U	**0.051**	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.37 U	0.37 U	**0.029 J**	**0.029 J**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	**0.039 C**	**0 C**	**0.102 C**	**0.119 C**	**0 C**	0.037 U	0.038 U	**0.089 C**	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	1.9 U	1.9 U	1.9 U	0.093 U	0.093 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 UJ	0.031 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	0.37 U	**0.046 J**	**0.31 J**	**0.11**	**0.052**	**0.024 J**	**0.031 J**	**0.18**	0.029 U	**0.11**	**0.052**	0.03 U	0.03 U
PAH	Phenanthrene	ug/L	--	**0.02 J**	0.37 U	**0.077 J**	**0.074**	0.046 U	0.037 U	0.038 U	0.029 U	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	0.37 U	0.37 U	**0.054 J**	**0.039 J**	0.046 U	0.037 U	0.038 U	**0.038**	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	0.037 U	0.074 U	0.038 U	0.075 U	0.074 U	0.074 U	0.078 U	0.077 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	93 U	190 U	93 U	100 U	190 U	93 U	96 U	96 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	230 U	200 U	460 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	MWC2 4/25/1994	MWC2 11/13/1995	EWC1 4/25/1994	EWC1 11/13/1995	SE-02 2/16/2009	SE-02 9/14/2009	SE-02 5/3/2010	SE-02 6/18/2012	SE-02 5/6/2013
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	1 U	0.86 UJ	0.45 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	--	0.45 UJ	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	1 UJ	0.86 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	0.86 U	0.45 UJ	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.45 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	--	--	--	--	8.2 UJ	0.86 UJ	0.45 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	2 U	0.86 U	0.9 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	2-Chloropheno	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	--	--	--	--	1 U	1.7 U	0.45 UJ	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 UJ	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	R	0.86 UJ	0.45 U	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.9 U	1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	R	0.86 U	0.45 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	4-Methylpheno	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	4.1 UJ	0.86 UJ	0.45 UJ	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	20 UJ	0.86 UJ	0.45 UJ	1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	--	--	R	1.7 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	8.2 UJ	0.86 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.45 U	1 U	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	20 U	0.86 UJ	0.45 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	Diethylphthalate	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 UJ	1 UJ	2 U
BNA	Hexachloroethane	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	--	--	--	0.86 U	0.45 UJ	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	--	0.86 UJ	0.45 UJ	1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	**9.14**	**2.76**	**3.43**	**6.25**	**4.69**
General	Eh	mV	--	--	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	**96**	**135**	**43**	**239**	**239**
General	pH	units	--	--	--	--	--	**6.95**	**6.88**	**4.43**	**7.1**	**7.33**
General	Salinity	%	--	--	--	--	--	**0.01**	**0**	**0**	--	**0**
General	Specific Conductivity	mS	--	--	--	--	--	**0.235**	**0.362**	**0.401**	**507**	**0.881**
General	Temperature	°C	--	--	--	--	--	**10.84**	**13.45**	**11.8**	**11.32**	**13.85**
General	Turbidity	ntu	--	--	--	--	--	**16.7**	**3.8**	**41.5**	**13.9**	**19.8**
PAH	1-Methylnaphthalene	ug/L	--	--	0.41 U	--	0.44 U	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	10 U	0.41 U	10 U	0.44 U	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	10 U	0.41 U	10 U	**0.32 J**	0.029 U	0.029 U	0.029 U	0.03 U	**0.031**
PAH	Acenaphthene	ug/L	3.0	10 UJ	0.41 U	10 U	**0.034 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Acenaphthylene	ug/L	--	10 U	0.41 U	10 U	**0.15 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Anthracene	ug/L	9	10 U	0.41 U	10 U	**8.3**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(a)anthracene	ug/L	0.030	10 U	0.41 U	10 U	0.44 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(a)pyrene	ug/L	0.030	10 U	0.41 U	10 U	**0.15 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	10 U	0.41 U	10 U	**0.32 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(g,h,i)perylene	ug/L	--	10 U	0.41 U	10 U	0.44 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	10 U	0.41 U	10 U	**0.11 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Chrysene	ug/L	0.030	10 U	0.41 U	10 U	**0.85**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	10 U	0.41 U	10 U	0.44 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	10 U	0.41 U	10 U	**0.34 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Fluorene	ug/L	3.0	10 U	0.41 U	10 U	**0.75**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	HPAH	ug/L	0.25	--	--	--	--	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	10 U	0.41 U	10 U	0.44 U	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Naphthalene	ug/L	83	10 U	0.41 U	**2 J**	**3**	0.029 U	0.029 U	**0.048**	**0.1**	**0.07**
PAH	Phenanthrene	ug/L	--	10 U	**0.068 J**	10 U	**1.2**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PAH	Pyrene	ug/L	15	10 UJ	0.41 U	10 U	**0.27 J**	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U
PCP	Pentachloropheno	ug/L	4.9	--	--	--	--	0.074 U	0.074 U	0.075 U	0.076 U	0.078 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	--	--	--	190 U	93 U	94 U	95 U	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	460 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-03 09/14/2004	PZ-03 01/23/2006	PZ-03 09/18/2006	PZ-03 01/7/2008	PZ-03 2/19/2009	PZ-03 9/17/2009	PZ-03 5/5/2010	PZ-03 6/21/2012	PZ-03 5/9/2013
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.98 U	1 UJ	0.48 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	--	--	0.48 UJ	1.1 U	1 UJ
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	1 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	0.98 U	1 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	1 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	1 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	1 U	--	1 U	0.48 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.48 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	0.8 U	1 U	2 U	1 U	0.48 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2 U	1 U	0.48 UJ	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	4 U	10 U	7.8 U	1 U	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	0.98 U	1 U	0.48 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	0.4 U	2 U	2 U	1 U	0.96 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 U	0.4 U	4 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	2 U	0.48 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2 UJ	1 U	0.48 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 U	0.8 UJ	1 U	R	1 UJ	0.48 UJ	2.1 U	1 UJ
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.98 UJ	1 U	0.48 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	1.98 U	4 U	2 U	1 U	0.96 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	0.8 U	1 U	2 U	1 U	0.48 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	R	1 U	0.48 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	3.9 UJ	1 UJ	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	20 U	1 U	0.48 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	4 U	2 U	1 U	0.48 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	2 U	R	2 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	5 UJ	7.8 UJ	3 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	2 U	1 U	0.48 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	**0.62 J**	5 UJ	0.5 U	1 U	0.98 U	1 U	0.48 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	1 U	--	--	0.48 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	**0.34 J**	5 UJ	0.79 UJ	1 U	20 U	1 UJ	0.48 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	**0.1 J**	2 U	1 U	0.48 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.58 U	1 U	2 U	1 U	0.48 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.79 U	1 U	2 U	1 U	0.48 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	2 U	1 U	0.48 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	5 U	5 U	0.4 UJ	--	0.98 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	--	1 U	0.48 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	0.4 UJ	--	0.98 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	--	1 UJ	0.48 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	5 U	5 U	0.79 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Phenol	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.98 U	1 U	0.48 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0.28**	**1.76**	**0**	**0.24**	**0**	**7.37**	**0**	**0**	**0**
General	Eh	mV	--	**260**	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	--	**-79**	**-68**	**-83**	**78**	**-85**	**-124**	**-68**	**-57**
General	pH	units	--	**6.38**	**6.58**	**6.95**	**6.81**	**6.68**	**7**	**7.13**	**7.28**	**7.42**
General	Salinity	%	--	--	**0.27**	**0.03**	**0.3**	**0**	**0**	**0.1**	**0.05**	**0.1**
General	Specific Conductivity	mS	--	**0.431**	**5.17**	**0.732**	**6.52**	**0.94**	**0.532**	**2.24**	**0.858**	**0.999**
General	Temperature	°C	--	**12.26**	**12.1**	**12.88**	**11.2**	**11.66**	**13.78**	**11.44**	**11.61**	**12.59**
General	Turbidity	ntu	--	**49**	**28**	**8.2**	**0.4**	**9.7**	**3.1**	**31**	**10**	**47.6**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	--	**0.026 J**	**0.041**	**0.075**	**0.059**	**0.056**	**0.099**	**0.061**	**0.058**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	**0.057**	0.03 U
PAH	Phenanthrene	ug/L	--	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	--	0.037 U	0.038 U	0.029 U	0.029 U	0.03 U	0.031 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	--	0.074 U	0.038 U	0.075 U	0.075 U	0.077 U	0.078 U	0.078 U	0.076 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	93 U	93 U	190 U	96 U	94 U	96 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	230 U	190 U	480 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-05 09/16/2004	PZ-05 01/25/2006	PZ-05 01/7/2008	PZ-08 09/14/2004	PZ-08 01/26/2006	PZ-08 09/20/2006	PZ-08 01/8/2008
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	1 U	5 U	5 U	0.4 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	5 U	5 U	--	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	1 U	--	--	0.4 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	1 U	--	--	0.4 UJ	1 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	1 U	--	--	0.4 U	1 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	1 U	--	--	0.02 UJ	1 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	1 U	--	--	0.4 UJ	1 U
BNA	1-Methylnaphthalene	ug/L	--	--	--	1 U	--	--	0.4 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	1 U	**0.15 J**	20 U	0.8 U	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	1 U	**0.22 J**	5 U	0.4 U	1 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	10 U	20 U	20 U	4 U	10 U
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.8 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	2 U	5 U	5 U	0.4 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 U	4 U	**0.22 J**	5 U	0.4 U	4 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 U	--	**0.27 J**	5 U	0.4 U	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	1 U	**0.26 J**	5 U	--	1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	1 U	**0.12 J**	20 U	0.8 U	1 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	1 U	5 U	5 UJ	0.8 UJ	1 U
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	1 U	20 U	20 U	0.8 U	1 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	4 U	20 U	20 U	2 U	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	1 U	**0.2 J**	5 U	0.8 U	1 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	2 U	5 U	5 U	0.4 UJ	2 U
BNA	4-Chlorophenyl-phenylether	ug/L	--	5 U	5 U	1 U	**0.16 J**	5 U	0.4 U	1 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	1 U	**0.28 J**	5 U	0.4 U	1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	1 U	20 U	20 U	0.8 U	1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	20 U	20 U	4 U	4 U
BNA	9H-Carbazole	ug/L	--	--	--	4 U	--	--	0.4 U	4 U
BNA	Acenaphthene	ug/L	3.0	5 U	5 U	--	**0.15 J**	5 U	0.4 U	--
BNA	Acenaphthylene	ug/L	--	5 U	5 U	--	**0.19 J**	5 U	0.4 U	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	--	**0.19 J**	5 U	0.4 U	--
BNA	Atrazine	ug/L	--	5 U	5 U	1 U	**2.1 J**	5 U	**1.8**	**2.9**
BNA	Benzaldehyde	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Benzenemethanol	ug/L	--	--	--	2 U	--	--	0.8 U	2 U
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Benzoic acid	ug/L	--	--	--	5 UJ	--	--	4 UJ	5 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	1 U	**0.16 J**	5 U	0.4 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	1 U	**0.2 J**	5 U	0.4 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 U	5 UJ	5 U	1 UJ	1 U
BNA	Butylbenzylphthalate	ug/L	--	5 UJ	5 UJ	1 U	**0.53 J**	5 U	0.4 U	1 U
BNA	Caffeine	ug/L	--	--	--	1 U	--	--	0.4 U	1 U
BNA	Caprolactam	ug/L	--	**0.25 J**	5 UJ	1 U	**0.26 J**	5 UJ	0.79 UJ	1 U
BNA	Chrysene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	--	5 U	5 U	0.8 U	--
BNA	Dibenzofuran	ug/L	--	5 U	5 U	1 U	**0.19 J**	5 U	0.4 U	1 U
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	**0.1 J**	**0.17 J**	5 U	0.4 U	**0.1 J**
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	1 U	5 U	5 U	0.4 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	1 U	5 UJ	5 U	0.4 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	1 U	5 U	5 U	0.79 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Fluorene	ug/L	3.0	5 U	5 U	--	**0.17 J**	5 U	--	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	1 U	**0.25 J**	5 U	0.4 UJ	1 U
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	2 U	5 U	5 U	0.4 UJ	2 U
BNA	Hexachloroethane	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 UJ	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Isophorone	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Naphthalene	ug/L	83	5 U	5 U	--	**0.28 J**	5 U	0.4 UJ	--
BNA	Nitrobenzene	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	--	0.4 UJ	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Pentachlorophenol	ug/L	4.9	5 U	5 U	--	5 U	5 U	0.79 U	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Phenol	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	Pyrene	ug/L	15	5 U	5 U	--	5 U	5 U	0.4 U	--
BNA	Retene	ug/L	--	--	--	1 U	--	--	0.4 U	1 U
General	Dissolved Oxygen	mg/L	--	**5.26**	**8.01**	**7.09**	**0.23**	**1.68**	**0**	**0.36**
General	Eh	mV	--	**210**	--	--	**221**	--	--	--
General	Oxidization Reduction Potential	mV	--	--	**30**	**135**	--	**117**	**15**	**153**
General	pH	units	--	**6.52**	**6.55**	**6.59**	**5.84**	**6.34**	**6.22**	**6.46**
General	Salinity	%	--	--	--	**0**	--	--	**0.01**	**0**
General	Specific Conductivity	mS	--	**0.524**	**0.42**	**0.377**	**0.194**	**0.167**	**0.206**	**0.869**
General	Temperature	°C	--	**14.86**	**8.67**	**7.7**	**11.06**	**9.9**	**11.46**	**10.1**
General	Turbidity	ntu	--	**12.2**	**6**	**3.6**	**4.8**	**3.1**	**3.3**	**19.6**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Acenaphthylene	ug/L	--	--	0.037 U	0.03 U	--	0.037 U	0.037 U	**0.026 J**
PAH	Anthracene	ug/L	9	--	0.037 U	0.03 U	--	**0.15**	**0.083**	**0.37**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Fluorene	ug/L	3.0	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	HPAH	ug/L	0.25	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Naphthalene	ug/L	83	--	0.037 U	0.03 U	--	0.037 U	**0.073**	0.029 U
PAH	Phenanthrene	ug/L	--	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PAH	Pyrene	ug/L	15	--	0.037 U	0.03 U	--	0.037 U	0.037 U	0.029 U
PCP	Pentachlorophenol	ug/L	4.9	--	0.074 U	0.077 U	--	0.074 U	0.037 U	0.074 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	0.46 UJ	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	0.19 UJ	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	0.23 UJ	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	96 U	--	190 U	96 U	93 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	190 U	--	460 U	240 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-09 09/16/2004	PZ-09 01/26/2006	PZ-09 09/21/2006	PZ-09 01/8/2008	PZ-09 2/19/2009	PZ-09 9/16/2009	PZ-09 5/5/2010	PZ-09 6/21/2012	PZ-09 5/9/2013
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 UJ	0.48 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	--	--	0.48 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.96 U	0.48 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.96 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	1 U	0.96 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.96 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.96 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	1 U	--	0.96 U	0.48 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.48 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	0.8 U	1 U	2.1 U	0.96 U	0.48 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2.1 U	0.96 U	0.48 UJ	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	4 U	10 U	8.3 UJ	0.96 U	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	0.4 U	2 U	2.1 U	0.96 U	0.96 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 U	0.4 U	4 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	1.9 U	0.48 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2.1 UJ	0.96 U	0.48 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	0.8 UJ	1 U	R	0.96 UJ	0.48 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 UJ	0.96 U	0.48 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	2 U	4 U	2.1 U	0.96 U	0.96 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	0.8 U	1 U	2.1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	R	0.96 U	0.48 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	4.2 UJ	0.96 UJ	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	21 UJ	0.96 U	0.48 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	4 U	2.1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	**0.1 J**	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	**0.77 J**	5 U	**0.71**	**1**	**0.77 J**	**0.73 J**	**0.6**	**0.62 J**	1 U
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 UJ	1.1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	2 U	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	5 UJ	8.3 UJ	3 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	2.1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	1 U	--	--	0.48 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	**0.23 J**	5 UJ	0.79 UJ	1 U	21 UJ	0.96 UJ	0.48 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	0.8 U	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	**0.1 J**	2.1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	2.1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.79 U	1 U	2.1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	**0.4**	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	5 U	5 UJ	**0.16 J**	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U	0.96 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	2.1 U	0.96 U	0.48 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U	0.96 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	5 U	5 U	0.4 U	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	--	0.96 U	0.48 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	0.4 U	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	--	0.96 UJ	0.48 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	5 U	5 U	0.79 U	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	**0.6**	--	--	--	--	--	--
BNA	Phenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	5 U	5 U	**0.28 J**	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	1 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**2.73**	**5**	**4.39**	**6.53**	**1.77**	**7.04**	**0.31**	**4.72**	**3.84**
General	Eh	mV	--	**224**	--	--	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	--	**135**	**287**	**163**	**405**	**266**	**189**	**191**	**198**
General	pH	units	--	**5.93**	**6.59**	**6.44**	**6.62**	**6.06**	**6.58**	**6.51**	**6.47**	**6.49**
General	Salinity	%	--	--	**0.01**	**0.01**	**0**	**0**	**0**	**0**	**0.02**	**0.01**
General	Specific Conductivity	mS	--	**0.197**	**0.16**	**0.188**	**0.209**	**0.301**	**0.224**	**0.206**	**0.4**	**0.258**
General	Temperature	°C	--	**10.78**	**10**	**11.6**	**9.6**	**9.24**	**11.86**	**9.18**	**8.95**	**9.2**
General	Turbidity	ntu	--	**6.49**	**2.3**	**43.4**	**0**	**327**	**36.7**	**9.8**	**0**	**15.7**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	**0.2**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	--	**0.044**	**0.18**	**0.084**	**0.081**	**0.053**	**0.09**	**0.088**	**0.083**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	**0.089**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	**0.034 J**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	**0.055**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	**0.035 J**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	**0.1**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	**0.58**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	--	0.037 U	**0.24**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	--	0.037 U	**1.3 C**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Phenanthrene	ug/L	--	--	0.037 U	**1**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	--	0.037 U	**0.38**	0.029 U	0.03 U	0.029 U	0.03 U	0.03 U	0.03 U
PCP	Pentachloropheno	ug/L	4.9	--	0.074 U	0.037 U	0.075 U	0.077 U	0.074 U	0.077 U	0.077 U	0.077 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	96 U	96 U	200 U	94 U	94 U	96 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 U	190 U	490 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthen benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-10 09/14/2004	PZ-10 01/26/2006	PZ-10 09/21/2006	PZ-10 01/8/2008
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	0.9 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	0.9 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	0.9 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	0.9 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	0.9 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	0.9 U
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	0.9 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	0.8 U	0.9 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	4 U	9.3 U
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	0.9 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	0.4 U	1.9 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 UJ	0.4 U	3.7 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 UJ	0.4 U	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	0.9 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	0.8 UJ	0.9 U
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	0.9 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	2 U	3.7 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	0.8 U	0.9 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	1.9 U
BNA	4-Chlorophenyl-phenylethe	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	0.9 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	3.7 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	3.7 U
BNA	Acenaphthene	ug/L	3.0	5 U	5 UJ	0.4 U	--
BNA	Acenaphthylene	ug/L	--	5 U	5 UJ	0.4 U	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	0.4 U	--
BNA	Atrazine	ug/L	--	5 U	5 U	**0.22 J**	0.9 U
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	1.9 U
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	0.4 U	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Benzoic acid	ug/L	--	--	--	**4.1 J**	4 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U
BNA	Butylbenzylphthalate	ug/L	--	**0.92 J**	5 UJ	0.4 U	1 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	0.9 U
BNA	Caprolactam	ug/L	--	5 U	5 UJ	**1.2 J**	0.9 U
BNA	Chrysene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	0.8 U	--
BNA	Dibenzofuran	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	0.9 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	0.9 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.8 U	0.9 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	0.4 U	--
BNA	Fluorene	ug/L	3.0	5 U	5 U	0.4 U	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	0.9 U
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	1.9 U
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	0.9 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--
BNA	Isophorone	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Naphthalene	ug/L	83	5 U	5 UJ	**0.11 J**	--
BNA	Nitrobenzene	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	0.4 UJ	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Pentachloropheno	ug/L	4.9	5 U	5 U	0.8 U	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	0.4 U	--
BNA	Phenol	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	Pyrene	ug/L	15	5 U	5 U	0.4 U	--
BNA	Retene	ug/L	--	--	--	0.4 U	0.9 U
General	Dissolved Oxygen	mg/L	--	**3.84**	**4.83**	**3**	**3.36**
General	Eh	mV	--	**240**	--	--	--
General	Oxidization Reduction Potentia	mV	--	--	**154**	**287**	**162**
General	pH	units	--	**5.84**	**6.38**	**6.13**	**6.49**
General	Salinity	%	--	--	--	**0.01**	**0**
General	Specific Conductivity	mS	--	**0.163**	**0.137**	**0.165**	**0.195**
General	Temperature	°C	--	**10.84**	**9.9**	**11.99**	**9.7**
General	Turbidity	ntu	--	**131**	**3.4**	**0.2**	**0**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.038 U	0.029 U
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U
PAH	Acenaphthylene	ug/L	--	--	0.037 U	0.038 U	0.029 U
PAH	Anthracene	ug/L	9	--	**0.024 J**	0.038 U	**0.054**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.038 U	0.029 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.038 U	0.029 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.038 U	0.029 U
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U
PAH	Fluorene	ug/L	3.0	--	0.037 U	0.038 U	0.029 U
PAH	HPAH	ug/L	0.25	--	0.037 U	0.038 U	0.029 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.038 U	0.029 U
PAH	Naphthalene	ug/L	83	--	0.037 U	0.038 U	**0.026 J**
PAH	Phenanthrene	ug/L	--	--	0.037 U	0.038 U	0.029 U
PAH	Pyrene	ug/L	15	--	0.037 U	0.038 U	0.029 U
PCP	Pentachloropheno	ug/L	4.9	--	0.074 U	0.038 U	0.074 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	94 U	93 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-11 09/14/2004	PZ-11 01/26/2006	PZ-11 09/21/2006	PZ-11 01/8/2008	PZ-11 9/16/2009	PZ-11 5/5/2010	PZ-11 6/20/2012	PZ-11 5/9/2013
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	**12**	**1.2**	**9.2**	**5.8**	**4.9**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	**--**	0.49 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.94 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	0.94 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.94 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.94 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	**12**	**1.9**	**9.2**	**15**	**10**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.49 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	4 U	10 U	0.94 U	0.49 U	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	0.4 U	2 U	0.94 U	0.49 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 UJ	0.4 U	4 U	0.94 U	0.49 U	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	**1.1 J**	0.4 U	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1.8 U	0.49 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	0.8 UJ	1 U	0.94 UJ	0.49 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	2 U	4 U	0.94 U	0.98 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	0.94 U	0.49 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 UJ	0.49 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	0.94 U	0.49 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	**59**	**4.5**	**25**	**15**	**14**
BNA	Acenaphthene	ug/L	3.0	5 U	**7.1 J**	0.4 U	--	**--**	**--**	**--**	--
BNA	Acenaphthylene	ug/L	--	5 U	5 UJ	0.4 U	--	**--**	**--**	**--**	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	0.4 U	--	**--**	**--**	**--**	--
BNA	Atrazine	ug/L	--	**0.16 J**	5 U	0.4 U	**0.5 J**	0.94 U	0.49 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 UJ	1.1 U	2 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	2 U	1.8 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	6 UJ	3.5 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	0.94 U	0.49 U	1.6 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	**0.6 J**	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	1 U	--	0.49 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	**0.32 J**	5 UJ	0.8 UJ	1 U	0.94 UJ	0.49 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	0.8 U	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	5 U	**7 J**	0.4 U	**29**	**2.9**	**22**	**15**	**16**
BNA	Diethylphthalate	ug/L	--	**0.19 J**	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.8 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	0.4 U	**0.3 J**	0.94 U	0.49 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	5 U	5 UJ	0.4 U	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	0.94 U	0.49 U	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Isophorone	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	5 U	**1.1 J**	0.4 U	--	--	--	--	--
BNA	Nitrobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	0.4 U	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 UJ	0.49 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	5 U	5 U	0.8 U	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Phenol	ug/L	--	**0.21 J**	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	5 U	5 U	0.4 U	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	1 U	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**2.68**	**1.49**	**1.89**	**0.3**	**2.22**	**0**	**0.4**	**0**
General	Eh	mV	--	**228**	--	--	--	**--**	**--**	--	--
General	Oxidization Reduction Potential	mV	--	--	**58**	**135**	**-4**	**57**	**-33**	**23**	**-6**
General	pH	units	--	**5.95**	**6.54**	**6.12**	**6.65**	**6.57**	**6.68**	**6.55**	**6.64**
General	Salinity	%	--	--	--	**0.01**	**0**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.166**	**0.177**	**0.165**	**0.265**	**0.407**	**0.232**	**23.2**	**0.584**
General	Temperature	°C	--	**10.33**	**9.8**	**11.2**	**9.3**	**12.01**	**8.9**	**10.4**	**10.41**
General	Turbidity	ntu	--	**44.9**	**8.4**	**10.9**	**39.4**	**19.5**	**21.7**	**21**	**118**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.037 U	0.031 U	0.029 U	**0.21**	**1.4**	**0.32**
PAH	Acenaphthene	ug/L	3.0	--	**18**	0.037 U	**35**	**1.4**	**22**	**15**	**18**
PAH	Acenaphthylene	ug/L	--	--	**0.64**	0.037 U	**1.4**	**0.055**	**0.71**	**0.64**	**0.83**
PAH	Anthracene	ug/L	9	--	**0.32**	0.037 U	**0.8**	**0.13**	**0.66**	**0.69**	**0.68**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	--	**0.098**	0.037 U	**0.18**	0.029 U	**0.15**	**0.11**	**0.16**
PAH	Fluorene	ug/L	3.0	--	**2.3**	0.037 U	**9**	**0.13**	**4**	**2.9**	**5.2**
PAH	HPAH	ug/L	0.25	--	**0.13 C**	0.037 U	**0.222 C**	0.029 U	**0.185 C**	**0.11 C**	**0.201 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	--	**2.1**	0.037 U	**14**	**25**	**130**	**490**	**160**
PAH	Phenanthrene	ug/L	--	--	**0.13**	0.037 U	**2.8**	0.029 U	**2.2**	**2.2**	**2.6**
PAH	Pyrene	ug/L	15	--	**0.03 J**	0.037 U	**0.042**	0.029 U	**0.035**	0.03 U	**0.041**
PCP	Pentachlorophenol	ug/L	4.9	--	0.074 U	0.037 U	0.08 U	0.074 U	0.08 U	0.076 U	0.076 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	**550**	94 U	**560**	94 U	**500**	**400**	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 U	190 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

* From Wyckoff ROD 2/2000

**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-12 09/14/2004	PZ-12 01/26/2006	PZ-12 09/21/2006	PZ-12 01/8/2008	PZ-12 2/18/2009
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	1 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	1 U	--
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	0.8 U	1 U	2 UJ
BNA	2,4,6-Trichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	20 U	20 U	4 U	10 U	8 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	5 U	5 U	0.4 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 UJ	0.4 U	4 U	1 U
BNA	2-Chloropheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	**0.18 J**	5 UJ	0.4 U	--	--
BNA	2-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	0.8 UJ	1 U	16 UJ
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 UJ
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	20 U	20 UJ	2 U	4.2 U	2 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	5 U	5 U	0.8 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	20 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U
BNA	4-Methylpheno	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	4 UJ
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	20 UJ
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	4 U	2 U
BNA	Acenaphthene	ug/L	3.0	**0.26 J**	5 UJ	0.4 U	--	--
BNA	Acenaphthylene	ug/L	--	**0.11 J**	5 UJ	0.4 U	--	--
BNA	Anthracene	ug/L	9.0	5 U	5 U	0.4 U	--	--
BNA	Atrazine	ug/L	--	5 U	5 U	0.4 U	**0.3 J**	**0.37 J**
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	Benzenemethano	ug/L	--	--	--	0.8 U	2 U	R
BNA	Benzo(a)anthracene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5 U	5 U	0.4 U	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	5 UJ	8 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	**1.1 J**	5 UJ	0.4 U	1 U	1 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	1 U	--
BNA	Caprolactam	ug/L	--	**0.17 J**	5 UJ	0.79 UJ	1 U	20 U
BNA	Chrysene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5 U	5 U	0.8 U	--	--
BNA	Dibenzofuran	ug/L	--	**0.5 J**	5 UJ	0.4 U	1 U	1 U
BNA	Diethylphthalate	ug/L	--	**0.22 J**	5 UJ	0.4 U	**0.1 J**	2 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	2 U
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.79 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	5 U	5 U	0.4 U	--	--
BNA	Fluorene	ug/L	3.0	5 U	5 UJ	0.4 U	--	--
BNA	Hexachlorobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	2 U
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5 U	5 U	0.4 U	--	--
BNA	Isophorone	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	Naphthalene	ug/L	83	**0.25 J**	5 UJ	0.4 U	--	1 U
BNA	Nitrobenzene	ug/L	--	5 U	5 U	0.4 U	1 U	--
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	0.4 UJ	--	1 U
BNA	n-Nitrosodinpropylamine	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	--
BNA	Pentachloropheno	ug/L	4.9	5 U	5 U	0.79 U	--	--
BNA	Phenanthrene	ug/L	--	5 U	5 U	0.4 U	--	--
BNA	Phenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	Pyrene	ug/L	15	5 U	5 U	0.4 U	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	1 U	--
General	Dissolved Oxygen	mg/L	--	**1.31**	**3.77**	**2.29**	**2.12**	**3.13**
General	Eh	mV	--	**231**	--	--	--	--
General	Oxidization Reduction Potentia	mV	--	--	**144**	**201**	**166**	**130**
General	pH	units	--	**6.27**	**6.57**	**6.14**	**6.67**	**6.29**
General	Salinity	%	--	--	--	**0.01**	**0**	**0.01**
General	Specific Conductivity	mS	--	**0.23**	**0.116**	**0.188**	**0.175**	**0.14**
General	Temperature	°C	--	**10.68**	**10.1**	**11.49**	**9.5**	**9.21**
General	Turbidity	ntu	--	**5.61**	**10.1**	**28.6**	**0**	**6.6**
PAH	1-Methylnaphthalene	ug/L	--	--	--	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	--	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Acenaphthylene	ug/L	--	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Anthracene	ug/L	9	--	0.037 U	0.039 U	**0.064**	**0.044**
PAH	Benzo(a)anthracene	ug/L	0.030	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Fluorene	ug/L	3.0	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	HPAH	ug/L	0.25	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Naphthalene	ug/L	83	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Phenanthrene	ug/L	--	--	0.037 U	0.039 U	0.031 U	0.029 U
PAH	Pyrene	ug/L	15	--	0.037 U	0.039 U	0.031 U	0.029 U
PCP	Pentachloropheno	ug/L	4.9	--	0.074 U	0.039 U	0.078 U	0.074 U
TPH	Diesel (#2)	mg/L	--	0.46 UJ	--	--	--	--
TPH	Gasoline	mg/L	--	0.19 UJ	--	--	--	--
TPH	Lube Oil	mg/L	--	0.23 UJ	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	190 U	96 U	96 U	190 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 U	190 U	480 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	P-1L 2/16/2009	P-1L 9/14/2009	P-1L 5/3/2010	P-1L 6/18/2012	P-1L 5/6/2013	P-2L 2/16/2009	P-2L 9/14/2009	P-2L 5/3/2010	P-2L 6/18/2012	P-2L 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.48 UJ	1 U	1 U	--	--	0.48 UJ	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 U	1 U	0.85 U	0.48 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1 U	0.85 U	--	--	--	1 U	0.85 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1 UJ	0.85 U	--	--	--	1 UJ	0.85 U	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1 U	0.85 U	--	--	--	1 U	0.85 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1 U	0.85 U	--	--	--	1 U	0.85 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	0.85 U	0.48 UJ	1 U	1 U	--	0.85 U	0.48 UJ	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.48 U	1 U	2 U	--	--	0.48 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 U	2 UJ	0.85 U	0.48 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 U	2 UJ	0.85 U	0.48 UJ	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 U	1 UJ	0.85 U	0.48 UJ	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 U	1 UJ	0.85 U	0.48 UJ	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8 UJ	0.85 UJ	0.48 UJ	2.1 U	4.1 UJ	8 UJ	0.85 UJ	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	2 U	1 UJ	0.85 U	0.48 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.85 U	0.96 U	1 U	2 U	2 U	0.85 U	0.96 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 U	1 UJ	0.85 U	0.48 UJ	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1 U	1.7 U	0.48 UJ	1 U	1 U	1 U	1.7 U	0.48 UJ	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	2 U	1 UJ	0.85 U	0.48 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	2 U	0.85 U	0.48 UJ	1 U	1 U	2 U	0.85 U	0.48 UJ	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	R	0.85 U	0.48 U	2.1 U	1 U	R	0.85 U	0.48 U	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	2 U	1 UJ	0.85 U	0.48 U	1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2 UJ	0.85 U	0.96 U	1 U	4.1 U	2 UJ	0.85 U	0.96 U	1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	0.85 U	0.48 U	1 U	1 U	1 U	0.85 U	0.48 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 U	2 UJ	0.85 U	0.48 UJ	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	R	0.85 U	0.48 UJ	1 UJ	1 UJ	R	0.85 U	0.48 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	4-Methylpheno	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4 UJ	R	0.48 U	2.1 U	4.1 U	4 UJ	R	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.85 UJ	0.48 UJ	1 U	4.1 U	20 UJ	0.85 UJ	0.48 UJ	1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	1 U	2 UJ	0.85 U	0.48 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 U	1 UJ	0.85 U	0.48 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	**0.26 J**	0.85 U	0.48 UJ	1 U	2 U	1 U	0.85 U	0.48 UJ	1 U	2 U
BNA	Benzenemethanol	ug/L	--	R	1.7 UJ	--	--	--	R	1.7 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8 UJ	2.4 UJ	--	--	--	8 UJ	2.4 UJ	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.85 U	0.48 U	1 U	2 U	2 U	0.85 U	0.48 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	0.85 U	0.48 U	1 U	2 U	1 U	0.85 U	0.48 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.48 U	1 U	1 U	--	--	0.48 U	1 U	1 U
BNA	Caprolactam	ug/L	--	20 U	R	0.48 UJ	1 UJ	2 UJ	20 U	R	0.48 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	Diethylphthalate	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	1 U	2 UJ	0.85 U	0.48 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 U	1 UJ	0.85 U	0.48 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	1 U	2 UJ	0.85 U	0.48 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.85 U	0.48 U	1 U	2 U	2 U	0.85 U	0.48 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1 U	0.85 U	0.48 U	1 U	1 U	1 U	0.85 U	0.48 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 UJ	1 U	0.85 U	0.48 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.85 U	0.48 UJ	1 UJ	2 U	2 U	0.85 U	0.48 UJ	1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 U	1 U	0.85 U	0.48 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	Naphthalene	ug/L	83	1 U	--	--	--	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.85 U	0.48 UJ	1 U	1 U	--	0.85 U	0.48 UJ	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1 U	--	--	--	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	2 U	1 UJ	0.85 U	0.48 UJ	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.85 UJ	0.48 UJ	1 U	1 UJ	--	0.85 UJ	0.48 UJ	1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	1 U	0.85 U	0.48 UJ	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.73**	**0**	**0.3**	**0**	**0.86**	**4.2**	**0**	**0.5**	**0**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	**-46**	**16**	**-19**	**8**	**-148**	**-130**	**-123**	**-92**	**-35**	**-18**
General	pH	units	--	**6.63**	**6.44**	**6.8**	**7.06**	**6.88**	**9.17**	**6.9**	**7.01**	**7.38**	**7.14**
General	Salinity	%	--	**1**	**0.8**	**1.2**	**1**	**2.9**	**1.09**	**1.11**	**1.5**	**1.3**	**3**
General	Specific Conductivity	mS	--	**16.9**	**13.3**	**19.9**	**1.79**	**44.6**	**18.7**	**18.9**	**24.4**	**2.15**	**47**
General	Temperature	°C	--	**12.47**	**14.4**	**13.04**	**13.2**	**14.12**	**11.07**	**13.47**	**12.13**	**12.8**	**12.87**
General	Turbidity	ntu	--	**40.3**	**3.7**	**17.4**	**120**	**136**	**13**	**0**	**3.1**	**3**	**25.2**
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	**--**	**--**	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	**--**	**--**	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	**0.047**	**0.03 U**	**0.051**	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.074**	0.029 U	**0.15**	**0.048**	**0.075**	**0.033**	0.029 U	**0.063**	**0.054**	0.03 U
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.078 U	0.076 U	0.076 U	0.078 U	0.074 U	0.075 U	0.076 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	93 U	96 U	97 U	96 U	200 U	93 U	94 U	96 U	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 U	190 U	190 U	190 U	190 U	490 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	P-3L 2/17/2009	P-3L 9/15/2009	P-3L 5/5/2010	P-3L-FD 5/5/2010	P-3L 6/20/2012	P-3L-FD 6/20/2012	P-3L 5/8/2013	P-3L-FD 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	**0.4 J**	**6.4 J**	**0.56**	**1.3**	1.1 U	1.1 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	**--**	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1.1 UJ	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	1 U	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1.1 UJ	0.93 U	--	--	--	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1.1 U	0.93 UJ	--	--	--	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1.1 U	0.93 U	--	--	--	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1.1 UJ	0.93 U	--	--	--	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	**41**	--	**17**	**4.4**	**4.3**	**11**	**11**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	2 U	2.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	2 U	2.1 U
BNA	2,4-Dichloropheno	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8.9 U	0.93 U	0.5 U	0.46 UJ	2.1 U	2.2 U	4.1 UJ	4.2 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2.2 U	0.93 U	1 U	0.92 U	1.1 U	1.1 U	2 U	2.1 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	2-Chloropheno	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1.1 U	1.9 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	2-Nitrophenol	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	18 UJ	0.93 UJ	0.5 UJ	0.46 UJ	2.1 U	2.2 U	1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2.2 U	0.93 U	1 U	0.92 U	1.1 U	1.1 U	4.1 U	4.2 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	4-Chloroaniline	ug/L	--	22 UJ	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	4-Methylpheno	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.4 U	0.93 UJ	0.5 U	0.46 U	2.1 U	2.2 U	4.1 U	4.2 U
BNA	4-Nitrophenol	ug/L	--	22 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	4.1 U	4.2 U
BNA	9H-Carbazole	ug/L	--	**1.5 J**	**38**	**10**	**8.9**	**2.4**	**2.3**	**6.2**	**8.3**
BNA	Acenaphthene	ug/L	3.0	--	**--**	**--**	**--**	**--**	**--**	--	--
BNA	Acenaphthylene	ug/L	--	--	**--**	**--**	**--**	**--**	**--**	--	--
BNA	Anthracene	ug/L	9.0	--	**--**	**--**	**--**	**--**	**--**	--	--
BNA	Atrazine	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	2 U	2.1 U
BNA	Benzenemethano	ug/L	--	R	1.9 UJ	--	--	--	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8.9 UJ	4.5 U	--	--	--	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	Caffeine	ug/L	--	--	--	0.5 UJ	0.46 UJ	1.1 U	1.1 U	1 U	1 U
BNA	Caprolactam	ug/L	--	22 U	0.93 UJ	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	2 UJ	2.1 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	**1.1 J**	**16**	**4.8 J**	**5.6**	**1.1**	1.1	**1.9**	**2**
BNA	Diethylphthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.3 U	1.1 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2.2 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	2 UJ	2.1 UJ
BNA	Hexachloroethane	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Naphthalene	ug/L	83	1.1 U	--	--	--	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.1 U	--	--	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	2 U	2.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.93 UJ	0.5 UJ	0.46 UJ	1.1 U	1.1 U	1 UJ	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.85**	**0**	**--**	**0.51**	--	**0**	--
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	--	--	--
General	Oxidization Reduction Potentia	mV	--	**27**	**-202**	**-73**	**--**	**-255**	--	**-262**	--
General	pH	units	--	**6.59**	**6.81**	**6.87**	**--**	**6.94**	--	**6.83**	--
General	Salinity	%	--	**1.8**	**1.6**	**2.3**	**--**	**2.6**	--	**1.76**	--
General	Specific Conductivity	mS	--	**29.8**	**26.3**	**37.5**	**--**	**40.4**	--	**28.8**	--
General	Temperature	°C	--	**11.83**	**13.59**	**11.38**	**--**	**12.5**	--	**11.92**	--
General	Turbidity	ntu	--	**39.9**	**0**	**43.4**	**--**	**25.5**	--	**10**	--
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	--	**--**	--	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	**1.8**	**2.6**	**7.7**	**8.2**	**0.15**	**0.15**	**0.73**	**1.1**
PAH	Acenaphthene	ug/L	3.0	**4.4**	**25**	**17**	**19**	**14**	**16**	**28**	**24**
PAH	Acenaphthylene	ug/L	--	**0.045**	**0.35**	**0.29**	**0.26**	**0.16**	**0.16**	**0.28**	**0.24**
PAH	Anthracene	ug/L	9	**0.21**	**0.82**	**0.66**	**0.52**	**0.35**	**0.36**	**0.95**	**0.64**
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.96**	**0.38**
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.26**	**0.097**
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.35**	**0.12**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.029 U	0.029 UJ	0.03 U	0.03 U	**0.06**	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.24**	**0.09**
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.89**	**0.35**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	0.032 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	**0.4**	**0.66**	**0.7**	**0.63**	**0.81**	**0.86**	**2.5**	**1.7**
PAH	Fluorene	ug/L	3.0	**0.96**	**9.3**	**5.7**	**3.4**	**2.4**	**2.6**	**4**	**3.4**
PAH	HPAH	ug/L	0.25	**0.66 C**	**0.96 C**	**1.08 C**	**0.97 C**	**1.29 C**	**1.37 C**	**7.12 C**	**3.937 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U	**0.06**	0.031 U
PAH	Naphthalene	ug/L	83	**25**	**590 J**	--	**360**	**8.8**	**9.8**	**34**	**31**
PAH	Phenanthrene	ug/L	--	**0.71**	**7.5**	**3.7**	**3**	**1.2**	**1.3**	**4**	**3**
PAH	Pyrene	ug/L	15	**0.26**	**0.3**	**0.38**	**0.34**	**0.48**	**0.51**	**1.8**	**1.2**
PCP	Pentachloropheno	ug/L	4.9	0.074 U	0.074 U	0.075 U	0.075 U	0.076 U	0.076 U	0.082 U	0.08 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	**1,600**	**930**	**89**	**380**	95 U	100 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthen benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	P-4L 2/17/2009	P-4L 9/15/2009	P-4L 5/4/2010	P-4L 6/19/2012	P-4L 5/7/2013	P-5L 2/18/2009	P-5L 9/15/2009	P-5L 5/4/2010	P-5L 6/19/2012	P-5L 5/7/2013
BNA	1,1'-Biphenyl	ug/L	--	1.1 U	0.93 UJ	0.51 U	1 U	1 U	0.98 U	0.96 UJ	0.49 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.51 U	1 U	1 U	--	--	0.49 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1.1 UJ	0.93 U	0.51 UJ	1 UJ	1 U	0.98 U	0.96 U	0.49 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1.1 UJ	0.93 U	--	--	--	0.98 U	0.96 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1.1 U	0.93 UJ	--	--	--	0.98 U	0.96 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1.1 U	0.93 U	--	--	--	0.98 U	0.96 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1.1 UJ	0.93 U	--	--	--	0.98 U	0.96 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	0.93 U	0.51 U	1 U	1 U	--	0.96 U	0.49 U	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.51 U	1 U	2 U	--	--	0.49 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 U	2 U	2 UJ	0.96 U	0.49 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 U	2 U	2 U	0.96 U	0.49 UJ	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	1 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8.7 U	0.93 U	0.51 UJ	2.1 U	4 UJ	7.8 U	0.96 U	0.49 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	2 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2.2 U	0.93 U	1 U	1 U	2 U	2 U	0.96 U	0.98 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2-Chloropheno	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1.1 U	1.9 U	0.51 U	1 U	1 U	0.98 U	1.9 U	0.49 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	2 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	1 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	17 UJ	0.93 UJ	0.51 UJ	2.1 U	1 U	16 UJ	0.96 UJ	0.49 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	2 U	0.98 UJ	0.96 U	0.49 U	1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2.2 U	0.93 U	1 U	1 U	4 U	2 U	0.96 U	0.98 U	1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	22 UJ	0.93 U	0.51 UJ	1 UJ	1 UJ	20 UJ	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Methylpheno	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.3 U	0.93 UJ	0.51 U	2.1 U	4 U	3.9 UJ	0.96 UJ	0.49 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	22 U	0.93 U	0.51 UJ	1 U	4 U	20 U	0.96 U	0.49 UJ	1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	**0.19 J**	**0.37 J**	0.51 U	1 U	1 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	**--**	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	**--**	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	**--**	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	2 U	0.98 U	0.96 U	0.49 UJ	1 U	2 U
BNA	Benzenemethanol	ug/L	--	R	1.9 UJ	--	--	--	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8.7 UJ	3.5 U	--	--	--	7.8 UJ	2.8 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	2 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.51 UJ	1 U	1 U	--	--	0.49 UJ	1 U	1 U
BNA	Caprolactam	ug/L	--	22 U	0.93 UJ	0.51 UJ	1 UJ	2 UJ	20 U	0.96 UJ	0.49 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Diethylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	1 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	1 U	0.98 U	0.96 U	0.49 UJ	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	1 U	2 U	0.96 U	0.49 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	2 U	0.96 U	0.49 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 UJ	1 UJ	0.98 U	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 UJ	2 UJ	2 U	0.96 U	0.49 UJ	1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 UJ	1 UJ	0.98 U	0.96 U	0.49 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Naphthalene	ug/L	83	1.1 U	--	--	--	--	0.98 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.93 U	0.51 U	1 U	1 U	--	0.96 U	0.49 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.1 U	--	--	--	--	0.98 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	2 U	0.98 U	0.96 U	0.49 U	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.93 UJ	0.51 UJ	1 U	1 UJ	--	0.96 UJ	0.49 UJ	1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	1 U	0.98 U	0.96 U	0.49 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.9**	**0**	**0.69**	**0**	**9.75**	**8.3**	**6.9**	**8.41**	**7.18**
General	Eh	mV	--	**--**	**--**	**--**	**--**	--	**--**	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	**-76**	**-131**	**-67**	**-59**	**-47**	**102**	**87**	**96**	**-6**	**58**
General	pH	units	--	**7.36**	**7.0**	**7.43**	**7.44**	**7.47**	**7.28**	**7.6**	**7.63**	**7.4**	**7.38**
General	Salinity	%	--	**1.8**	**1.4**	**1.9**	**2**	**3.7**	**0.01**	**0**	**0**	**0**	**0.01**
General	Specific Conductivity	mS	--	**29.2**	**23**	**31.3**	**32.9**	**56**	**0.247**	**0.31**	**0.302**	**0.301**	**0.328**
General	Temperature	°C	--	**15**	**15**	**12.14**	**12.18**	**14.93**	**11.42**	**15**	**12.18**	**13.37**	**12.79**
General	Turbidity	ntu	--	**28.4**	**1.5**	**0**	**45.7**	**142**	**5.7**	**0.70**	**68.4**	**41**	**19**
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	**--**	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	**--**	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	**0.098**	**0.043**	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Acenaphthene	ug/L	3.0	**0.083**	**0.073**	**0.032**	0.03 U	**0.098**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Anthracene	ug/L	9	**0.064**	**0.074**	0.03 U	0.03 U	**0.032**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	**0.41**	**0.33**	**0.25**	**0.092**	**0.072**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Fluorene	ug/L	3.0	**0.098**	**0.11**	**0.062**	0.03 U	**0.1**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	HPAH	ug/L	0.25	**0.64**	**0.53 C**	**0.39 C**	**0.145 C**	**0.111 C**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.03 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Naphthalene	ug/L	83	**0.89**	**1.2**	**0.55**	0.03 U	**0.045**	0.031 U	0.029 U	**0.089**	**0.046**	0.031 U
PAH	Phenanthrene	ug/L	--	**0.58**	**0.39**	**0.085**	**0.13**	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Pyrene	ug/L	15	**0.23**	**0.20**	**0.14**	**0.053**	**0.039**	0.031 U	0.029 U	0.031 U	0.03 U	0.031 U
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.077 U	0.076 U	0.077 U	0.078 U	0.074 U	0.078 U	0.076 U	0.079 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	93 U	94 U	95 U	96 U	200 U	93 U	94 U	96 U	99 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 U	190 U	190 U	190 U	190 U	500 U	190 U	190 U	190 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	P-6L 2/18/2009	P-6L 9/16/2009	P-6L 5/5/2010	P-6L 6/20/2012	P-6L 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	1 U	0.96 UJ	0.5 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.5 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1 U	0.96 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1 U	0.96 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1 U	0.96 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1 U	0.96 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	0.96 U	0.5 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.5 U	1.1 U	2.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.5 UJ	1.1 U	2.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 U	0.96 U	0.5 UJ	1.1 U	2.1 U
BNA	2,4-Dichloropheno	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8.2 U	0.96 U	0.5 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.96 U	1 U	1.1 U	2.1 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	2-Chloropheno	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1 U	1.9 U	0.5 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	2-Nitrophenol	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	0.96 UJ	0.5 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.5 U	1.1 U	2.1 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2 U	0.96 U	1 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	0.96 U	0.5 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.1 UJ	0.96 UJ	0.5 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	0.96 U	0.5 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U	2.1 U
BNA	Benzenemethano	ug/L	--	R	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8.2 UJ	**2.6**	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	Caffeine	ug/L	--	--	--	0.5 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	20 U	0.96 UJ	0.5 UJ	1.1 UJ	2.1 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.96 U	0.5 UJ	1.1 UJ	2.1 UJ
BNA	Hexachloroethane	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--
BNA	Isophorone	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.96 U	0.5 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	2.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.96 UJ	0.5 UJ	1.1 U	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1 U	0.96 U	0.5 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**6.08**	**8.0**	**3.77**	**2.63**	**6.3**
General	Eh	mV	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potentia	mV	--	**235**	**255**	**80**	40	**73**
General	pH	units	--	**8.07**	**8.1**	**8.98**	**8.98**	**8.34**
General	Salinity	%	--	**0.01**	**0**	**0**	**0**	**0.01**
General	Specific Conductivity	mS	--	**0.282**	**0.28**	**0.247**	**0.3**	**0.32**
General	Temperature	°C	--	**14.4**	**15**	**11.5**	**12.56**	**12.22**
General	Turbidity	ntu	--	**1.3**	**29**	**41.8**	**45.8**	**26.8**
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Acenaphthene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Acenaphthylene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Anthracene	ug/L	9	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Chrysene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Fluorene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	HPAH	ug/L	0.25	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Naphthalene	ug/L	83	0.03 U	0.029 U	**0.045**	0.03 U	**0.035**
PAH	Phenanthrene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PAH	Pyrene	ug/L	15	0.03 U	0.029 U	0.031 U	0.03 U	0.031 U
PCP	Pentachloropheno	ug/L	4.9	0.077 U	0.074 U	0.078 U	0.077 U	0.078 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	200 U	96 U	94 U	95 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	490 U	190 U	190 U	190 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynucl
(detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthra
benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	VG-1L 2/16/2009	VG-1L 9/14/2009	VG-1L 5/3/2010	VG-1L 6/18/2012	VG-1L 05/06/2013	VG-2L 2/16/2009	VG-2L-FD 2/16/2009	VG-2L 9/14/2009	VG-2L-FD 9/14/2009	VG-2L 5/3/2010
BNA	1,1'-Biphenyl	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	**1.4**	**1.3**	**0.68 J**	**0.62 J**	**2 J**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.45 UJ	1.1 U	1 U	--	--	**--**	**--**	0.47 UJ
BNA	1,2,4-Trichlorobenzene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	1,2-Dichlorobenzene	ug/L	--	0.98 U	0.86 U	--	--	--	0.98 U	1 U	0.85 U	0.91 U	--
BNA	1,2-Diphenylhydrazine	ug/L	--	0.98 UJ	0.86 U	--	--	--	0.98 UJ	1 UJ	0.85 UJ	0.91 U	--
BNA	1,3-Dichlorobenzene	ug/L	--	0.98 U	0.86 U	--	--	--	0.98 U	1 U	0.85 U	0.91 U	--
BNA	1,4-Dichlorobenzene	ug/L	--	0.98 U	0.86 U	--	--	--	0.98 U	1 U	0.85 U	0.91 U	--
BNA	1-Methylnaphthalene	ug/L	--	--	0.86 U	0.45 UJ	1.1 U	1 U	--	--	**1.6**	**1.5**	6.7 UJ
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.45 U	1.1 U	2 U	--	--	--	--	0.47 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2,4-Dichloropheno	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2,4-Dimethylpheno	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2,4-Dinitropheno	ug/L	--	7.8 UJ	0.86 UJ	0.45 UJ	2.1 U	4.1 U	7.8 UJ	8 UJ	0.85 UJ	0.91 UJ	0.47 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	2 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.86 U	0.9 U	1.1 U	2 U	2 U	2 U	0.85 U	0.91 U	0.94 U
BNA	2-Chloronaphthalene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	2-Chloropheno	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	0.98 U	1.7 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	1.7 U	1.8 U	0.47 UJ
BNA	2-Nitroaniline	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	2 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	2-Nitrophenol	ug/L	--	2 U	0.86 U	0.45 UJ	1.1 U	1 U	2 U	2 U	0.85 U	0.91 U	0.47 UJ
BNA	3,3'-Dichlorobenzidine	ug/L	--	R	0.86 U	--	2.1 U	1 U	R	R	0.85 UJ	0.91 U	0.47 U
BNA	3-Nitroaniline	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	2 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2 UJ	0.86 U	0.9 U	1.1 U	4.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.94 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.98 U	0.86 U	0.45 U	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ
BNA	4-Chloroaniline	ug/L	--	R	0.86 U	0.45 UJ	1.1 UJ	1 UJ	R	R	0.85 U	0.91 U	0.47 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	4-Methylpheno	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	4-Nitroaniline	ug/L	--	3.9 UJ	0.86 U	0.45 U	2.1 U	4.1 U	3.9 UJ	4 UJ	0.85 U	R	0.47 UJ
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.86 UJ	0.45 UJ	1.1 U	4.1 U	20 UJ	20 UJ	0.85 UJ	0.91 UJ	0.47 UJ
BNA	9H-Carbazole	ug/L	--	2 UJ	0.86 U	--	1.1 U	1 U	**0.96 J**	**0.87 J**	**6.8**	**5.6**	**12**
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	**--**	**--**	**--**
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	**--**	**--**	**--**
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	**--**	**--**	**--**
BNA	Atrazine	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U
BNA	Benzaldehyde	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	2 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Benzenemethano	ug/L	--	R	1.7 UJ	--	--	--	R	R	1.7 UJ	1.8 UJ	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	7.8 UJ	0.86 UJ	--	--	--	7.8 UJ	8 UJ	4.9 UJ	5.6 UJ	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.86 U	--	1.1 U	2 U	2 U	2 U	0.85 U	1.3 U	0.47 U
BNA	Butylbenzylphthalate	ug/L	--	0.98 U	0.86 U	--	1.1 U	2 U	0.98 U	1 U	0.85 U	0.91 U	0.47 U
BNA	Caffeine	ug/L	--	--	--	--	1.1 U	1 U	--	--	--	--	0.47 U
BNA	Caprolactam	ug/L	--	20 U	0.86 UJ	0.45 UJ	1.1 UJ	2 U	20 U	20 U	0.85 UJ	R	0.47 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	**0.047 J**	0.86 U	0.45 UJ	1.1 U	1 U	**6.1**	**5.7**	**6.2**	**6.3**	**8.6 J**
BNA	Diethylphthalate	ug/L	--	2 UJ	0.86 U	0.45 U	1.1 U	1 U	2 UJ	2 UJ	0.85 U	0.61 U	0.47 U
BNA	Dimethylphthalate	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.86 U	--	1.1 U	1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.86 U	--	1.1 U	2 U	2 U	2 U	0.85 U	0.91 U	0.47 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.98 U	0.86 U	0.45 U	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 U
BNA	Hexachlorobutadiene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.86 U	0.45 UJ	1.1 UJ	2 U	2 U	2 U	0.85 U	0.91 U	0.47 UJ
BNA	Hexachloroethane	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Naphthalene	ug/L	83	0.98 U	--	--	--	--	0.98 U	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.86 U	0.45 UJ	1.1 U	1 U	--	--	0.85 U	0.91 U	0.47 UJ
BNA	n-Nitrosodimethylamine	ug/L	--	0.98 U	--	--	--	--	0.98 U	1 U	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	2 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.86 UJ	0.45 UJ	1.1 U	1 U	--	--	0.85 UJ	0.91 UJ	0.47 UJ
BNA	Pentachloropheno	ug/L	4.9	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**4.4**	**0**	**0.38**	**0**	**0.62**	**--**	**2.0**	**--**	**0**
General	Eh	mV	--	**--**	**--**	**--**	**--**	--	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potentia	mV	--	**-11**	**109**	**72**	**105**	**59**	**-187**	**--**	**-70**	**--**	**-77**
General	pH	units	--	**6.84**	**6.9**	**7.23**	**7.16**	**7.18**	**8.37**	**--**	**6.7**	**--**	**7.01**
General	Salinity	%	--	**0.4**	**0.35**	**0.2**	**0.2**	**0.24**	**1.68**	**--**	**1.6**	**--**	**2.1**
General	Specific Conductivity	mS	--	**7.55**	**6.7**	**4.58**	**2.97**	**4.76**	**27.7**	**--**	**26**	**--**	**34.2**
General	Temperature	°C	--	**12.52**	**15**	**12.85**	**11.58**	**13.54**	**11.87**	**--**	**13**	**--**	**12.56**
General	Turbidity	ntu	--	**36.2**	**0**	**52.1**	**31.5**	**82.4**	**13.7**	**--**	**0.10**	**--**	**321**
PAH	1-Methylnaphthalene	ug/L	--	**--**	**--**	**--**	**--**	--	**--**	**--**	**--**	**--**	**--**
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	**--**	--	--	--	**--**	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**0.41**	**0.2**	0.029 U	0.029 U	**9.1**
PAH	Acenaphthene	ug/L	3.0	**0.088**	0.029 U	0.029 U	0.03 U	0.031 U	**5**	**4.6**	**7.5**	**7.4**	**26**
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**0.067**	**0.059**	**0.15**	**0.13**	**0.6**
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**1.7**	**1.6**	**1.1**	**0.97**	**1.8**
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**0.25**	**0.25**	**0.16**	**0.15**	**0.44 J**
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	**0.06 J**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**0.18**	**0.17**	**0.095**	**0.092**	**0.13**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	**0.088**	0.029 U	0.029 U	**0.032**	0.031 U	**4.8**	**5.1**	**2.8**	**2.6**	**6.5**
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	**6.8**	**6.4**	**3.6**	**3.3**	**12**
PAH	HPAH	ug/L	0.25	**0.125 C**	0.029 U	0.029 U	**0.032 C**	0.031 U	**8.23 C**	**8.52 C**	**4.6 C**	**4.3 C**	**10 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.029 U	0.03 U	0.031 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U
PAH	Naphthalene	ug/L	83	**0.084**	0.029 U	**0.075**	**0.074**	**0.048**	**4.8**	**4.2**	**0.68**	**0.59**	**170**
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 J	0.031 U	**18**	**19**	**11**	**11**	**20**
PAH	Pyrene	ug/L	15	**0.037**	0.029 U	0.029 U	0.03 U	0.031 U	**3**	**3**	**1.5**	**1.5**	**3.1**
PCP	Pentachloropheno	ug/L	4.9	0.074 U	0.074 U	0.075 U	0.076 U	0.08 U	0.075 U	0.078 U	0.074 U	0.074 U	0.08 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	93 U	96 U	96 U	99 U	**380**	**350**	**490**	**410**	98 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	470 U	190 U	190 U	190 U	200 U	480 U	480 U	190 U	190 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	VG-2L-FD 5/3/2010	VG-2L 6/21/2012	VG-2L-FD 6/21/2012	VG-2L 05/06/2013	VG-2L-FD 05/06/2013
BNA	1,1'-Biphenyl	ug/L	--	**2.1 J**	**4**	**4**	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	1 U	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	6.8 UJ	**39**	**40**	**3**	**3.4**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.45 UJ	1.1 U	1.1 U	2 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.45 UJ	1.1 U	1.1 U	2 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	0.45 UJ	2.1 U	2.2 U	4.1 UJ	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.9 U	1.1 U	1.1 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2-Chloropheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	2-Nitrophenol	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	0.45 U	2.1 U	2.2 U	1 U	1 U
BNA	3-Nitroaniline	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	0.9 U	1.1 U	1.1 U	4.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	2 U	2 U
BNA	4-Chloroaniline	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	4-Methylpheno	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	0.45 U	2.1 U	2.2 U	4.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	0.45 UJ	1.1 U	1.1 U	4.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	**12**	**21**	**21**	**3.5**	**3.7**
BNA	Acenaphthene	ug/L	3.0	**--**	**--**	**--**	--	--
BNA	Acenaphthylene	ug/L	--	**--**	**--**	**--**	--	--
BNA	Anthracene	ug/L	9.0	**--**	**--**	**--**	--	--
BNA	Atrazine	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	0.45 UJ	1.1 U	1.1 U	2 U	2 U
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	Caffeine	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Caprolactam	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	2 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	**8.7 J**	**29**	**28**	1 U	1 U
BNA	Diethylphthalate	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	0.45 U	1.1 U	1.1 U	2 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.45 U	1.1 U	1.1 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	2 U	2 U
BNA	Hexachloroethane	ug/L	--	0.45 UJ	1.1 UJ	1.1 UJ	1 U	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	Naphthalene	ug/L	83	--	--	--	--	--
BNA	Nitrobenzene	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.45 UJ	1.1 U	1.1 U	2 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 UJ	1 UJ
BNA	Pentachloropheno	ug/L	4.9	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--
BNA	Phenol	ug/L	--	0.45 UJ	1.1 U	1.1 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**--**	**0.6**	**--**	**0**	--
General	Eh	mV	--	**--**	**--**	**--**	--	--
General	Oxidization Reduction Potential	mV	--	**--**	**-257**	**--**	**-158**	--
General	pH	units	--	**--**	**7.24**	**--**	**7.02**	--
General	Salinity	%	--	**--**	**1.9**	**--**	**1.77**	--
General	Specific Conductivity	mS	--	**--**	**3.09**	**--**	**28.8**	--
General	Temperature	°C	--	**--**	**15.4**	**--**	**14.27**	--
General	Turbidity	ntu	--	**--**	**31**	**--**	**33.5**	--
PAH	1-Methylnaphthalene	ug/L	--	**--**	**--**	**--**	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	--	--
PAH	2-Methylnaphthalene	ug/L	--	**5.1**	**11**	**15**	**0.087**	**0.93**
PAH	Acenaphthene	ug/L	3.0	**17**	**35**	**60**	**15**	**14**
PAH	Acenaphthylene	ug/L	--	**0.5**	**0.76**	**0.9**	**0.3**	**0.28**
PAH	Anthracene	ug/L	9	**1.5**	**3.2**	**3.8**	**0.89**	**0.72**
PAH	Benzo(a)anthracene	ug/L	0.030	**0.36 J**	**1.8**	**0.96**	**0.35**	**0.4**
PAH	Benzo(a)pyrene	ug/L	0.030	0.031 U	**0.42**	**0.25**	**0.079**	**0.098**
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.053 J**	**0.57**	**0.33**	**0.11**	**0.14**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.031 UJ	**0.1**	**0.061**	0.03 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.031 U	**0.37**	**0.16**	**0.067**	**0.087**
PAH	Chrysene	ug/L	0.030	**0.1**	**1.5**	**0.82**	**0.28**	**0.35**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.031 U	**0.038**	0.03 U	0.03 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	**4.1**	**11**	**7.6**	**3.1**	**2.6**
PAH	Fluorene	ug/L	3.0	**7.9**	**19**	**22**	**0.78**	**0.91**
PAH	HPAH	ug/L	0.25	**7.1 C**	**22 C**	**14 C**	**5.986 C**	**5.475 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.031 U	**0.1**	**0.062**	0.03 U	0.031 U
PAH	Naphthalene	ug/L	83	**150**	**190**	**260**	**3.1**	**27**
PAH	Phenanthrene	ug/L	--	**12**	**36**	**32**	**1.8**	**1.6**
PAH	Pyrene	ug/L	15	**2.5**	**6.1**	**4**	**2**	**1.8**
PCP	Pentachloropheno	ug/L	4.9	0.078 U	0.076 U	0.076 U	0.076 U	0.078 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	**840**	**1,400**	**1,700**	97 U	99 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	190 U	190 U	190 U	190 U	200 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	VG-3L 2/17/2009	VG-3L 9/15/2009	VG-3L 5/4/2010	VG-3L 6/19/2012	VG-3L 5/7/2013	VG-4L 2/18/2009	VG-4L 9/16/2009	VG-4L 5/4/2010	VG-4L 6/19/2012	VG-4L 5/7/2013
BNA	1,1'-Biphenyl	ug/L	--	1 UJ	0.96 UJ	0.49 U	1 U	1 U	1 U	0.94 UJ	0.48 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.49 U	1 U	1 U	--	--	0.48 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1 UJ	0.96 U	--	--	--	1 U	0.94 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1 UJ	0.96 UJ	--	--	--	1 U	0.94 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1 UJ	0.96 U	--	--	--	1 U	0.94 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1 UJ	0.96 U	--	--	--	1 U	0.94 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	0.96 U	0.49 U	1 U	1 U	--	0.94 U	0.48 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.49 U	1 U	2 U	--	--	0.48 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 U	2 U	2 UJ	0.94 U	0.48 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 U	2 U	2 U	0.94 U	0.48 UJ	1.1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8.2 UJ	0.96 U	0.49 UJ	2.1 U	4 UJ	8 U	0.94 U	0.48 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	2 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 UJ	0.96 U	0.98 U	1 U	2 U	2 U	0.94 U	0.96 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1 UJ	1.9 U	0.49 U	1 U	1 U	1 U	1.8 U	0.48 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	2 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	0.96 UJ	0.49 UJ	2.1 U	1 U	16 UJ	0.94 UJ	0.48 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	2 U	1 UJ	0.94 U	0.48 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2 UJ	0.96 U	0.98 U	1 U	4 U	2 U	0.94 U	0.96 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	0.96 U	0.49 UJ	1 UJ	1 UJ	20 UJ	0.94 U	0.48 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Methylpheno	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.1 UJ	0.96 UJ	0.49 UJ	2.1 U	4 U	4 UJ	0.94 UJ	0.48 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.96 U	0.49 UJ	1 U	4 U	20 U	0.94 U	0.48 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	2 U	1 U	0.94 U	0.48 UJ	1.1 U	2 U
BNA	Benzenemethanol	ug/L	--	R	1.9 UJ	--	--	--	R	1.8 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8.2 UJ	2.8 U	--	--	--	8 UJ	3 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	2 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.49 UJ	1 U	1 U	--	--	0.48 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	20 UJ	0.96 UJ	0.49 UJ	1 UJ	2 UJ	20 U	0.94 UJ	0.48 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	1 U	0.94 U	0.48 UJ	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	1 U	2 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	2 U	0.94 U	0.48 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 UJ	1 U	0.94 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 UJ	2 UJ	2 U	0.94 U	0.48 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 UJ	1 U	0.94 U	0.48 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	1 UJ	--	--	--	--	1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.96 U	0.49 U	1 U	1 U	--	0.94 U	0.48 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1 UJ	--	--	--	--	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	2 U	1 U	0.94 U	0.48 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.96 UJ	0.49 UJ	1 U	1 UJ	--	0.94 UJ	0.48 UJ	1.1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	1 U	0.94 U	0.48 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**4.42**	**8.39**	**3.98**	**6.58**	**5.73**	**4.84**	**7.38**	**6.79**	**6.38**	**5.55**
General	Eh	mV	--	--	**--**	**--**	**--**	--	--	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	**255**	**142**	**91**	**82**	**41**	**212**	**136**	**111**	**67**	**66**
General	pH	units	--	**7.54**	**6.76**	**7.76**	**8.04**	**7.91**	**7.97**	**7.66**	**7.73**	**9.02**	**9.45**
General	Salinity	%	--	**0**	**0.03**	**0**	**0**	**0.02**	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.492**	**0.705**	**0.412**	**0.442**	**0.475**	**0.272**	**0.281**	**0.286**	**0.279**	**0.862**
General	Temperature	°C	--	**12.25**	**14.09**	**11.8**	**13.51**	**12.69**	**14.7**	**14.46**	**11.59**	**12.88**	**13.85**
General	Turbidity	ntu	--	**19.8**	**0**	**14.3**	**32.2**	**25.6**	**7.3**	**2.8**	**4.2**	**60**	**70.3**
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	**--**	--	--	**--**	--	**--**	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	**--**	--	--	**--**	--	**--**	--
PAH	2-Methylnaphthalene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 UJ	0.031 U	0.031 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.031 UJ	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	**0.04**	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	HPAH	ug/L	0.25	0.029 U	0.029 U	0.031 U	**0.04 C**	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Naphthalene	ug/L	83	0.029 U	0.029 U	**0.049**	0.03 U	0.03 U	0.029 U	0.029 U	**0.093**	0.031 U	0.03 U
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.031 U	**0.1**	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Pyrene	ug/L	15	0.029 U	0.029 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.075 U	0.074 U	0.08 U	0.078 U	0.077 U	0.074 U	0.074 U	0.08 U	0.078 U	0.078 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	93 U	**640**	95 U	98 U	190 U	94 U	98 U	100 U	95 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	480 U	190 U	200 U	190 U	200 U	460 U	190 U	200 U	200 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	VG-5L 2/18/2009	VG-5L-FD 2/18/2009	VG-5L 9/16/2009	VG-5L-FD 9/16/2009	VG-5L 5/4/2010	VG-5L 6/20/2012	VG-5L 5/8/2013
BNA	1,1'-Biphenyl	ug/L	--	1 U	1.1 U	1 UJ	0.96 UJ	0.51 U	1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	0.51 U	1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 UJ	1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	1 U	1.1 U	1 U	0.96 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	1 U	1.1 U	1 UJ	0.96 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	1 U	1.1 U	1 U	0.96 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	1 U	1.1 U	1 U	0.96 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	1 U	0.96 U	0.51 U	1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	0.51 U	1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	2.1 UJ	1 U	0.96 U	0.51 UJ	1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 UJ	1 U	2 U
BNA	2,4-Dichloropheno	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	2,4-Dimethylpheno	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	2,4-Dinitropheno	ug/L	--	8.2 U	8.5 U	1 U	0.96 U	0.51 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	2.1 U	1 U	0.96 U	1 U	1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--
BNA	2-Methylpheno	ug/L	--	1 U	1.1 U	2 U	1.9 U	0.51 U	1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	2-Nitrophenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	17 UJ	1 UJ	0.96 UJ	0.51 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	1.1 UJ	1 U	0.96 U	0.51 U	1 U	2 U
BNA	4,6-Dinitro-2-methylpheno	ug/L	--	2 U	2.1 U	1 U	0.96 U	1 U	1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	4-Chloro-3-methylpheno	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	21 UJ	1 U	0.96 U	0.51 UJ	1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylethe	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	4-Methylpheno	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.1 UJ	4.3 UJ	1 UJ	0.96 UJ	0.51 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	21 U	1 U	0.96 U	0.51 UJ	1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	Benzenemethano	ug/L	--	R	R	2 UJ	1.9 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	--	--	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	8.2 UJ	8.5 UJ	3.1 U	2.7 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	Caffeine	ug/L	--	--	--	--	--	0.51 UJ	1 U	1 U
BNA	Caprolactam	ug/L	--	20 U	21 U	1 UJ	0.96 UJ	0.51 UJ	1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	--	--	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Diethylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	--	--	--	--	--	--	--
BNA	Fluorene	ug/L	3.0	--	--	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 UJ	1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 UJ	1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 UJ	1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	--	--	--	--	--	--
BNA	Isophorone	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Naphthalene	ug/L	83	1 U	1.1 U	--	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	1 U	0.96 U	0.51 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1 U	1.1 U	--	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	1 UJ	0.96 UJ	0.51 UJ	1 U	1 UJ
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**3.87**	**--**	**2.33**	**--**	**1.43**	**2**	**1.01**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potentia	mV	--	**55**	**--**	**91**	**--**	**171**	**95**	**97**
General	pH	units	--	**7.76**	**--**	**8.44**	**--**	**7.25**	**8.42**	**8.92**
General	Salinity	%	--	**0.01**	**--**	**0**	**--**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.265**	**--**	**0.346**	**--**	**0.268**	**35.6**	**0.956**
General	Temperature	°C	--	**12.1**	**--**	**15.3**	**--**	**12.33**	**14.1**	**14.53**
General	Turbidity	ntu	--	**59.9**	**--**	**6.3**	**--**	**41.6**	**8**	**39.4**
PAH	1-Methylnaphthalene	ug/L	--	--	**--**	--	--	**--**	--	--
PAH	2-Chloronaphthalene	ug/L	--	--	**--**	--	--	**--**	--	--
PAH	2-Methylnaphthalene	ug/L	--	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Anthracene	ug/L	9	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.031 U	0.029 UJ	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	HPAH	ug/L	0.25	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	0.029 U	0.031 U	0.029 U	0.029 U	0.045	0.03 U	**0.03 U**
PAH	Phenanthrene	ug/L	--	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Pyrene	ug/L	15	0.029 U	0.031 U	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.075 U	0.078 U	0.074 U	0.074 U	0.075 U	0.076 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	200 U	190 U	94 U	94 U	94 U	96 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	500 U	480 U	190 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
* From Wyckoff ROD 2/2000
**CW-15 and CW15-FD naphthalene was reported by lab with BNA results using Method 8270D.

J = The analyte was positively identified; the quantitation is an estimation.
U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthen benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 4
All Upper Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	MW21 03/17/2004	MW21 01/23/2006	MW21 09/18/2006	MW21 2/19/2009	MW21 9/17/2009	MW21 5/5/2010	MW21 6/21/2012	MW21 5/9/2013
BNA	1,1'-Biphenyl	ug/L	--	**0.032 J**	5 U	0.4 U	1 U	1 UJ	0.46 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	5 U	--	--	--	0.46 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.46 UJ	1.1 UJ	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	--	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	1 U	1 UJ	--	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	--	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	--	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	0.4 U	--	1 U	0.46 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.46 U	1.1 U	2 U
BNA	2,4,5-Trichlorophenol	ug/L	--	0.37 U	20 U	0.8 U	2 U	1 U	0.46 UJ	1.1 U	2 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.74 U	5 U	0.4 U	2 U	1 U	0.46 UJ	1.1 U	2 U
BNA	2,4-Dichlorophenol	ug/L	--	0.74 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 UJ	1.1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	20 U	4 U	8 UJ	1 U	0.46 UJ	2.1 U	4.1 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	1.9 U	5 U	0.8 U	1 U	1 U	0.46 U	1.1 U	2 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.74 U	5 U	0.4 U	2 U	1 U	0.93 U	1.1 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	2-Chlorophenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	2 U	0.46 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 U	1 U	0.46 U	1.1 U	2 U
BNA	2-Nitrophenol	ug/L	--	1.9 U	5 U	0.4 U	2 UJ	1 U	0.46 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1.9 U	5 U	0.8 UJ	R	1 UJ	0.46 UJ	2.1 U	1 U
BNA	3-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 UJ	1 U	0.46 U	1.1 U	2 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	3.7 U	20 U	2 U	2 U	1 U	0.93 U	1.1 U	4.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	0.37 U	5 U	0.8 U	2 U	1 U	0.46 U	1.1 U	2 U
BNA	4-Chloroaniline	ug/L	--	0.37 U	5 U	0.4 UJ	R	1 U	0.46 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	4-Methylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	20 U	0.8 U	4 UJ	1 UJ	0.46 U	2.1 U	4.1 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	20 U	4 U	20 UJ	1 U	0.46 UJ	1.1 U	4.1 U
BNA	9H-Carbazole	ug/L	--	0.37 U	--	0.4 U	2 U	1 U	0.46 U	1.1 U	1 U
BNA	Acenaphthene	ug/L	3.0	0.37 U	**1.7 J**	0.4 U	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	**0.056 J**	5 U	0.4 U	--	--	--	--	--
BNA	Atrazine	ug/L	--	**0.65 J**	5 U	**0.52**	**0.5 J**	**0.47 J**	0.46 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	0.74 U	5 U	0.4 U	1 U	1 U	0.46 UJ	1.1 U	2 U
BNA	Benzenemethanol	ug/L	--	--	--	0.8 U	R	2 UJ	--	--	--
BNA	Benzo(a)anthracene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	0.74 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	1.9 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	1.9 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	8 UJ	3.1 U	--	--	--
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 UJ	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.9 U	5 U	1 UJ	2 U	1 U	0.46 U	1.1 U	2 U
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	2 U
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	--	--	0.46 UJ	1.1 U	1 U
BNA	Caprolactam	ug/L	--	1.9 U	5 UJ	0.8 UJ	20 U	1 UJ	0.46 UJ	1.1 UJ	2 UJ
BNA	Chrysene	ug/L	0.030	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	1.9 U	5 U	0.8 U	--	--	--	--	--
BNA	Dibenzofuran	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Diethylphthalate	ug/L	--	0.37 U	5 U	0.4 U	2 U	1 U	0.46 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.74 U	5 U	0.59 U	2 U	1 U	0.46 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	1.9 U	5 U	0.8 U	2 U	1 U	0.46 U	1.1 U	2 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.74 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Fluoranthene	ug/L	3.0	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Fluorene	ug/L	--	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Hexachlorobenzene	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.46 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	5 U	0.4 UJ	2 U	1 U	0.46 UJ	1.1 UJ	2 UJ
BNA	Hexachloroethane	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.46 UJ	1.1 UJ	1 UJ
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	3.7 U	5 U	0.4 U	--	--	--	--	--
BNA	Isophorone	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Naphthalene	ug/L	83	0.37 U	5 U	0.4 UJ	1 U	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	0.37 U	5 U	0.4 U	--	--	0.46 U	1.1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.9 U	--	0.4 UJ	1 U	--	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U	2 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	5 U	0.4 U	--	1 UJ	0.46 UJ	1.1 U	1 UJ
BNA	Pentachlorophenol	ug/L	--	3.7 U	5 U	0.8 U	--	--	--	--	--
BNA	Phenanthrene	ug/L	4.9	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Phenol	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.46 U	1.1 U	1 U
BNA	Pyrene	ug/L	15	0.37 U	5 U	0.4 U	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	0.4 U	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	**1.47**	**0**	**0**	**1.7**	**0**	**6.02**	**0.42**
General	Eh	mV	--	--	--	--	**--**	--	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	**-144**	**106**	**287**	**83**	**-134**	**17**	**-89**
General	pH	units	--	--	**6.76**	**6.32**	**6.13**	**6.39**	**6.74**	**6.82**	**6.69**
General	Salinity	%	--	--	**0.02**	**0.02**	**0**	**0**	**0**	**0.04**	**0.01**
General	Specific Conductivity	mS	--	--	**0.601**	**0.376**	**0.371**	**0.455**	**0.651**	**0.817**	**0.358**
General	Temperature	°C	--	--	**11.8**	**15.49**	**11.42**	**16.96**	**11.55**	**16.81**	**13.36**
General	Turbidity	ntu	--	--	**13.8**	**19.7**	**223**	**10.7**	**5.5**	**15**	**24.1**
PAH	2-Methylnaphthalene	ug/L	--	0.046 U	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.046 U	**2.3**	0.037 U	0.029 U	0.029 U	**0.18**	0.031 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.046 U	**0.037 J**	0.037 U	0.029 U	0.029 U	**0.056**	0.031 U	0.03 U
PAH	Anthracene	ug/L	9.0	**0.048**	**0.35**	**0.068**	**0.13**	**0.1**	**0.76**	**0.21**	**0.19**
PAH	Benzo(a)anthracene	ug/L	0.030	0.046 U	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.093 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.03 U**
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.093 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.093 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 UJ	0.031 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.046 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Chrysene	ug/L	0.030	**0.0097 J**	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.093 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.012 J**	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.046 U	**0.21**	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	HPAH	ug/L	0.25	**0.0315 C**	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	0.093 U	0.037 UJ	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Naphthalene	ug/L	83	0.046 U	0.037 U	**0.052**	0.029 U	0.029 U	**0.065**	0.031 U	**0.048**
PAH	Phenanthrene	ug/L	--	0.046 U	0.037 U	**0.029 J**	0.029 U	0.029 U	0.031 U	0.031 U	0.03 U
PAH	Pyrene	ug/L	15	**0.0098 J**	0.037 U	0.037 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.03 U**
PCP	Pentachlorophenol	ug/L	4.9	0.037 U	0.074 U	0.037 U	0.074 U	0.074 U	0.078 U	0.079 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	190 U	93 U	190 U	94 U	94 U	95 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	230 U	460 U	190 U	190 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
J = The analyte was positively identified; the quantitation is an estimation.
R = Result is rejected.

U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.
Value exceeds cleanup level

Table 4
All Upper Aquifer Results - 1994 through May 2013
Wyckoff

Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	MW19 03/17/2004	MW19 01/25/2006	MW19 09/20/2006	PZ-06 09/16/2004	PZ-06 01/25/2006	PZ-06 01/7/2008
BNA	1,1'-Biphenyl	ug/L	--	**0.033 J**	5.0 U	0.4 U	5.0 U	5.0 UJ	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	5.0 U	--	5.0 U	5.0 U	--
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	--	--	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	--	--	1 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	0.4 U	--	--	1 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	--	--	1 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	0.4 UJ	--	--	1 U
BNA	1-Methylnaphthalene	ug/L	--	**--**	--	0.4 UJ	--	--	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	0.37 U	20 U	0.8 U	20 U	20 U	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	2,4-Dichlorophenol	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	20 U	4 U	20 U	20 UJ	10 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.9 U	5.0 U	0.8 U	5.0 U	5.0 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 U	5.0 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	4 U
BNA	2-Chlorophenol	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	**0.020 J**	5.0 U	0.4 UJ	5.0 U	5.0 U	--
BNA	2-Methylphenol	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	20 U	20 U	1 U
BNA	2-Nitrophenol	ug/L	--	1.9 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1.9 U	5.0 UJ	0.8 UJ	5.0 U	5.0 UJ	1 U
BNA	3-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 UJ	20 U	20 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	3.7 U	20 U	2 U	20 U	20 UJ	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	0.37 U	5.0 U	0.8 U	5.0 U	5.0 U	1 U
BNA	4-Chloroaniline	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	2 U
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	4-Methylphenol	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	20 U	0.8 U	20 U	20 U	1 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	20 U	4 U	20 U	20 U	4 U
BNA	9H-Carbazole	ug/L	--	**0.029 J**	--	0.4 U	--	--	4 U
BNA	Acenaphthene	ug/L	3.0	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Acenaphthylene	ug/L	--	**0.030 J**	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Anthracene	ug/L	9.0	**0.61**	5.0 U	**0.38 J**	5.0 U	5.0 U	--
BNA	Atrazine	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Benzaldehyde	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Benzenemethanol	ug/L	--	--	--	0.8 UJ	--	--	2 U
BNA	Benzo(a)anthracene	ug/L	0.030	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Benzo(a)pyrene	ug/L	0.030	0.74 U	5.0 U	0.4 U	5.0 U	5.0 UJ	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	1.9 U	5.0 U	0.4 U	5.0 U	5.0 UJ	--
BNA	Benzo(g,h,i)perylene	ug/L	--	1.9 U	5.0 U	0.4 U	5.0 UJ	5.0 UJ	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	0.37 U	5.0 U	0.4 U	5.0 U	5.0 UJ	--
BNA	Benzoic acid	ug/L	--	--	--	4 UJ	--	--	5 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.9 U	5.0 U	1 UJ	5.0 UJ	5.0 UJ	1 U
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	5.0 U	0.55 U	5.0 UJ	5.0 UJ	1 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	**--**	--	1 U
BNA	Caprolactam	ug/L	--	1.9 U	5.0 UJ	0.79 UJ	**0.17 J**	5.0 UJ	1 U
BNA	Chrysene	ug/L	0.030	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	1.9 U	5.0 U	0.8 U	5.0 U	5.0 UJ	--
BNA	Dibenzofuran	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Diethylphthalate	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 UJ	**0.1 J**
BNA	Dimethylphthalate	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 UJ	1 U
BNA	Di-n-butylphthalate	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 UJ	5.0 UJ	1 U
BNA	Di-n-octylphthalate	ug/L	--	1.9 U	5.0 U	0.79 U	5.0 UJ	5.0 UJ	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.74 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Fluoranthene	ug/L	3.0	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Fluorene	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Hexachlorobenzene	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	5.0 U	0.4 UJ	5.0 U	5.0 U	2 U
BNA	Hexachloroethane	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	3.7 U	5.0 U	0.4 U	5.0 U	5.0 UJ	--
BNA	Isophorone	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	Naphthalene	ug/L	83	**0.030 J**	5.0 U	0.4 UJ	5.0 U	5.0 U	--
BNA	Nitrobenzene	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1.9 U	--	0.4 UJ	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	1 U
BNA	Pentachlorophenol	ug/L	--	3.7 U	5.0 U	0.79 U	5.0 U	5.0 UJ	--
BNA	Phenanthrene	ug/L	4.9	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Phenol	ug/L	--	0.37 U	5.0 U	0.4 UJ	5.0 U	5.0 U	1 U
BNA	Pyrene	ug/L	15	0.37 U	5.0 U	0.4 U	5.0 U	5.0 U	--
BNA	Retene	ug/L	--	--	--	0.4 U	--	--	1 U
General	Dissolved Oxygen	mg/L	--	--	**4.1**	**0**	**2.6**	**2.6**	**7.89**
General	Eh	mV	--	--	--	--	**240**	--	**--**
General	Oxidization Reduction Potential	mV	--	--	**148**	**11**	--	**-93**	**126**
General	pH	units	--	--	**6.7**	**6.26**	**6.3**	**7.0**	**7.02**
General	Salinity	%	--	--	--	**0.03**	--	--	**0**
General	Specific Conductivity	mS	--	--	**0.89**	**0.63**	**0.72**	**0.40**	**0.232**
General	Temperature	°C	--	--	**9.6**	**15.17**	**15**	**7.5**	**5.5**
General	Turbidity	ntu	--	--	**17**	**84**	**3.6**	**14**	**6.8**
PAH	2-Methylnaphthalene	ug/L	--	**0.012 J**	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.046 U	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	Acenaphthylene	ug/L	--	**0.014 J**	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	Anthracene	ug/L	9.0	**0.29**	**0.41**	**0.26**	--	**0.064**	**0.12**
PAH	Benzo(a)anthracene	ug/L	0.030	**0.015 J**	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	**0.066 J**	0.037 U	**0.039 J**	--	0.037 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	**0.065 J**	0.037 U	**0.078 J**	--	0.037 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	**0.043 J**	0.037 U	**0.038 J**	--	0.037 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	**0.018 J**	0.037 U	**0.038 J**	--	0.037 U	0.03 U
PAH	Chrysene	ug/L	0.030	**0.018 J**	0.037 U	**0.05**	--	0.037 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.093 U	0.037 U	0.037 UJ	--	0.037 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.025 J**	0.037 U	**0.056**	--	0.037 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.046 U	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	HPAH	ug/L	0.25	**0.34 C**	0.037 U	**0.39 J**	--	0.037 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	**0.068 J**	0.037 U	**0.031 J**	--	0.037 U	0.03 U
PAH	Naphthalene	ug/L	83	0.046 U	0.037 U	0.037 U	--	0.037 U	0.03 U
PAH	Phenanthrene	ug/L	--	0.046 U	0.037 U	**0.032 J**	--	0.037 U	0.03 U
PAH	Pyrene	ug/L	15	**0.023 J**	0.037 U	**0.057**	--	0.037 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.037 U	0.074 U	**0.073**	--	0.074 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	**--**	0.46 UJ	--	--
TPH	Gasoline	mg/L	--	--	--	**--**	0.19 UJ	--	--
TPH	Lube Oil	mg/L	--	--	--	**--**	0.23 UJ	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	190 U	190 U	94 U	--	190 U	96 U
TPH	TPH-GC/Motor Oil Range Organi	ug/L	--	--	460 U	240 U	--	460 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
J = The analyte was positively identified; the quantitation is an estimation.
R = Result is rejected.

U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.
Value exceeds cleanup level

Table 4
All Upper Aquifer Results - 1994 through May 2013
Wyckoff

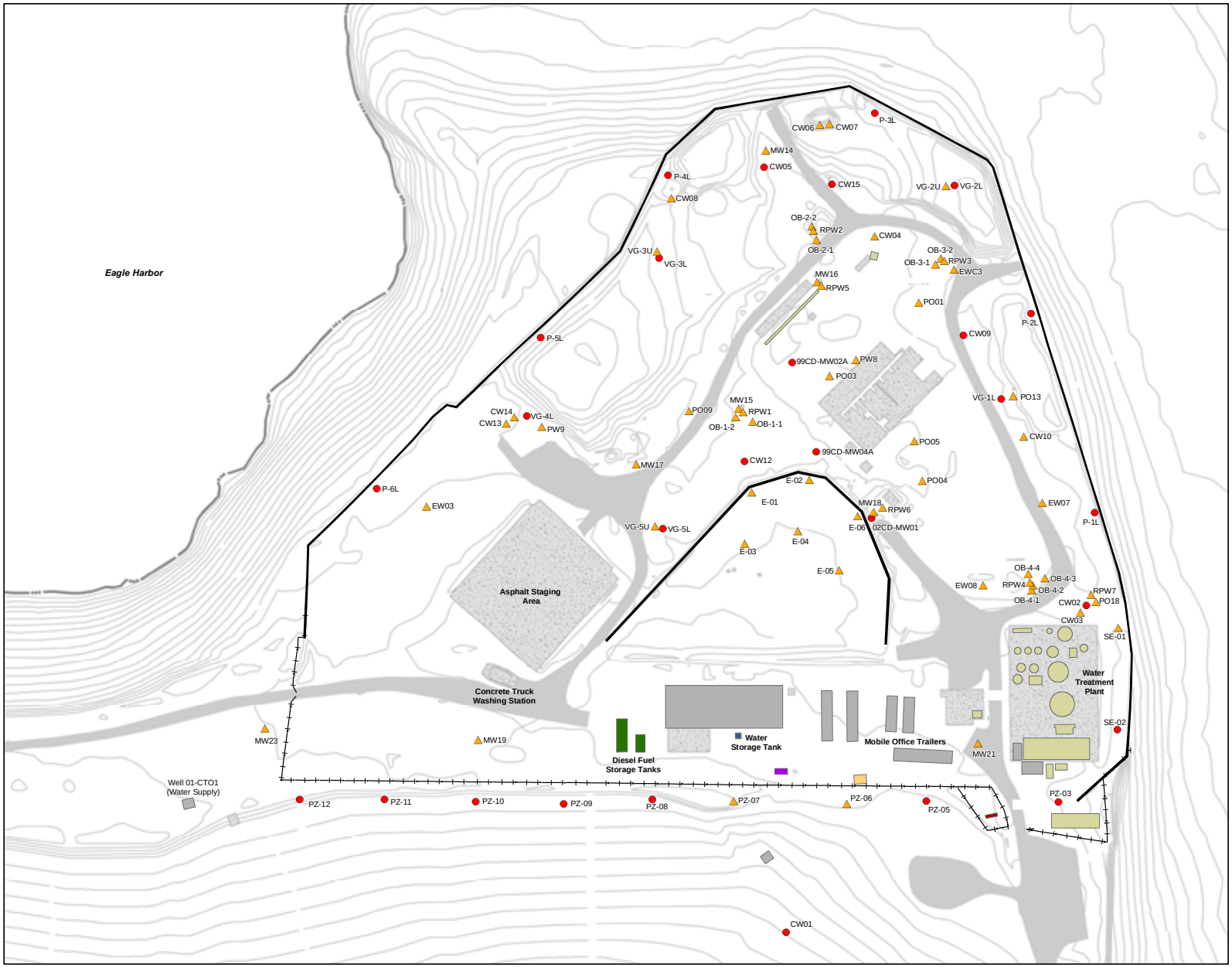
Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-07 09/16/2004	PZ-07 01/25/2006	PZ-07-FD 01/25/2006	PZ-07 09/20/2006	PZ-07-FD 09/20/2006	PZ-07 01/7/2008	PZ-07-FD 01/7/2008
BNA	1,1'-Biphenyl	ug/L	--	**17**	**1.8 J**	**2.4 J**	**12**	**13**	**5.6**	**5.9**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5.0 U	5.0 U	5.0 U	**--**	**--**	**--**	**--**
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.4 UJ	1 U	1 U
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.4 UJ	1 U	1 U
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	0.39 U	0.4 U	1 U	1 U
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.4 UJ	1 U	1 U
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	0.39 UJ	0.4 UJ	1 U	1 U
BNA	1-Methylnaphthalene	ug/L	--	**--**	**--**	**--**	**85**	**89**	**31**	**34**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--
BNA	2,4,5-Trichlorophenol	ug/L	--	20 U	20 U	20 U	0.78 U	0.8 U	1 U	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	2,4-Dichlorophenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	**180 D**	**2.1 J**	**2.4 J**	**79**	**78**	**12**	**15**
BNA	2,4-Dinitrophenol	ug/L	--	20 U	20 U	20 U	4 U	4 U	10 U	10 U
BNA	2,4-Dinitrotoluene	ug/L	--	5.0 U	5.0 U	5.0 U	0.78 U	0.8 U	1 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	2 U	2 U
BNA	2-Chloronaphthalene	ug/L	--	5.0 U	5.0 U	5.0 UJ	0.39 U	0.4 U	4 U	4 U
BNA	2-Chlorophenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	**180 D**	**6.4**	**8.3 J**	**75**	**80**	--	--
BNA	2-Methylphenol	ug/L	--	**56**	5.0 U	5.0 U	**7.1**	**7.9**	**0.8 J**	**1.1**
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	20 U	0.78 U	0.8 U	1 U	1 U
BNA	2-Nitrophenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5.0 U	5.0 UJ	5.0 UJ	0.78 UJ	0.8 UJ	1 U	1 U
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	20 U	0.78 U	0.8 U	1 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	20 U	20 U	20 UJ	2 U	2 U	4 U	4 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5.0 U	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.78 U	0.8 U	1 U	1 U
BNA	4-Chloroaniline	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 UJ	0.4 UJ	2 U	1.9 U
BNA	4-Chlorophenyl-phenylether	ug/L	--	5.0 U	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	4-Methylphenol	ug/L	--	**670 D**	5.0 U	5.0 U	**8.6**	**11**	**2.2**	**2.9**
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	20 U	0.78 U	0.8 U	1 U	1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	20 U	4 U	4 U	4 U	4 U
BNA	9H-Carbazole	ug/L	--	--	--	--	**27**	**26**	**11**	**12**
BNA	Acenaphthene	ug/L	3.0	**200 D**	**13**	**17 J**	**109**	**108**	**--**	**--**
BNA	Acenaphthylene	ug/L	--	**5.2**	5.0 U	5.0 UJ	**0.91**	**0.99**	**--**	**--**
BNA	Anthracene	ug/L	9.0	**13**	**1.3 J**	**1.8 J**	**4.6**	**4.3**	**--**	**--**
BNA	Atrazine	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Benzaldehyde	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Benzenemethanol	ug/L	--	--	--	--	0.78 U	**2.2**	2 U	2 U
BNA	Benzo(a)anthracene	ug/L	0.030	**0.39 J**	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Benzo(a)pyrene	ug/L	0.030	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Benzo(b)fluoranthene	ug/L	0.030	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Benzo(g,h,i)perylene	ug/L	--	5.0 UJ	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Benzo(k)fluoranthene	ug/L	0.030	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Benzoic acid	ug/L	--	--	--	--	4 UJ	4 UJ	5 UJ	5 UJ
BNA	bis(2-Chloroethoxy)methane	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5.0 UJ	5.0 U	5.0 UJ	1 UJ	1 UJ	1 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	5.0 UJ	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	0.39 U	0.4 U	1 U	1 U
BNA	Caprolactam	ug/L	--	5.0 U	5.0 UJ	5.0 UJ	0.78 UJ	0.8 UJ	1 U	1 U
BNA	Chrysene	ug/L	0.030	**0.20 J**	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Dibenzo(a,h)anthracene	ug/L	0.0070	5.0 U	5.0 U	5.0 U	0.78 U	0.8 UJ	--	--
BNA	Dibenzofuran	ug/L	--	**96 D**	**8.6**	**11 J**	**51**	**50**	**17**	**19**
BNA	Diethylphthalate	ug/L	--	5.0 U	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	Dimethylphthalate	ug/L	--	5.0 U	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	5.0 UJ	5.0 U	5.0 UJ	0.39 U	0.4 U	1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	5.0 UJ	5.0 U	5.0 UJ	0.78 U	0.8 U	1 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	**5.4**	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Fluoranthene	ug/L	3.0	**12**	**2.9 J**	**3.9 J**	**6.9**	**6.3**	--	--
BNA	Fluorene	ug/L	--	**110 D**	**9.7**	**13 J**	**58**	**54**	--	--
BNA	Hexachlorobenzene	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 UJ	0.4 UJ	1 U	1 U
BNA	Hexachlorocyclopentadiene	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 UJ	0.4 UJ	2 U	2 U
BNA	Hexachloroethane	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 UJ	0.4 UJ	1 U	1 U
BNA	Indeno(1,2,3-cd)pyrene	ug/L	0.030	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	--	--
BNA	Isophorone	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Naphthalene	ug/L	83	**1,400 D**	**38**	**44 J**	**824 J**	**955 J**	--	--
BNA	Nitrobenzene	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	0.39 U	0.4 UJ	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	5.0 U	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Pentachlorophenol	ug/L	--	5.0 U	5.0 U	5.0 U	0.78 U	0.8 U	--	--
BNA	Phenanthrene	ug/L	4.9	**70**	**17**	**22**	**44**	**38**	--	--
BNA	Phenol	ug/L	--	**11**	5.0 U	5.0 U	0.39 U	0.4 U	1 U	1 U
BNA	Pyrene	ug/L	15	**6.1**	**1.6 J**	**2.3 J**	**3.2**	**3**	--	--
BNA	Retene	ug/L	--	**--**	**--**	**--**	0.39 U	0.4 U	1 U	1 U
General	Dissolved Oxygen	mg/L	--	**0.25**	**1.9**	**1.9**	**0**	--	**0.28**	--
General	Eh	mV	--	65 U	--	--	--	--	**--**	--
General	Oxidization Reduction Potential	mV	--	--	**-54**	**-54**	**-120**	--	**-57**	--
General	pH	units	--	**6.0**	**6.4**	**6.4**	**6.38**	--	**6.86**	--
General	Salinity	%	--	--	--	--	**0.05**	--	**0**	--
General	Specific Conductivity	mS	--	**0.96**	**0.75**	**0.75**	**1.05**	--	**0.999**	--
General	Temperature	°C	--	**15**	**7.9**	**7.9**	**14.08**	--	**6.8**	--
General	Turbidity	ntu	--	**4.9**	**6.5**	**6.5**	**9.5**	--	**30.8**	--
PAH	2-Methylnaphthalene	ug/L	--	--	**31**	**25**	**200**	**130**	**2.5**	**1.8**
PAH	Acenaphthene	ug/L	3.0	--	**67**	**55**	**280**	**190**	**45**	**31**
PAH	Acenaphthylene	ug/L	--	--	**0.50**	**0.40**	**1.8**	**1.7**	**0.36**	**0.47**
PAH	Anthracene	ug/L	9.0	--	**5.3**	**4.8**	**7.6**	**5.6**	**1.7**	**2.4**
PAH	Benzo(a)anthracene	ug/L	0.030	--	**0.13**	**0.11**	**0.29**	**0.38**	**0.04**	**0.054**
PAH	Benzo(a)pyrene	ug/L	0.030	--	0.037 U	0.037 U	**0.048**	**0.071**	**0.03**	0.029 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	--	**0.027 J**	**0.024 J**	**0.069**	**0.1**	**0.047**	**0.045**
PAH	Benzo(g,h,i)perylene	ug/L	--	--	0.037 U	0.037 U	0.038 U	0.038 U	**0.04**	**0.036**
PAH	Benzo(k)fluoranthene	ug/L	0.030	--	0.037 U	0.037 U	**0.032 J**	**0.052**	0.029 U	0.03 U
PAH	Chrysene	ug/L	0.030	--	**0.12**	**0.11**	**0.21**	**0.27**	**0.037**	**0.043**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	--	0.037 U	0.037 U	0.038 U	0.038 U	0.029 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	--	**8.0**	**7.3**	**11**	**8**	**1**	**1.4**
PAH	Fluorene	ug/L	3.0	--	**41**	**34**	**120**	**88**	**14**	**15**
PAH	HPAH	ug/L	0.25	--	**13**	**12**	**17**	**15**	**1.7**	**2.4**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	--	0.037 U	0.037 U	0.038 U	0.038 U	**0.038**	**0.033**
PAH	Naphthalene	ug/L	83	--	**190**	**160**	**2200**	**2100**	**66**	**35**
PAH	Phenanthrene	ug/L	--	--	**66**	**59**	**95**	**70**	**8.7**	**10**
PAH	Pyrene	ug/L	15	--	**4.7**	**4.2**	**5.8**	**5.8**	**0.5**	**0.74**
PCP	Pentachlorophenol	ug/L	4.9	--	0.074 U	0.074 U	0.038 U	0.038 U	0.075 U	0.077 U
TPH	Diesel (#2)	mg/L	--	--	--	--	--	--	--	--
TPH	Gasoline	mg/L	--	--	--	--	--	--	--	--
TPH	Lube Oil	mg/L	--	--	--	--	--	--	--	--
TPH	TPH-GC/Diesel Range Organics	ug/L	--	--	**1,000**	**870**	**5,200**	**4,700**	**490**	**310**
TPH	TPH-GC/Motor Oil Range Organi	ug/L	--	--	460 U	460 U	240 U	230 U	190 U	190 U

Notes:

BNA = base/neutral and acid extractables
General = general chemistry
HPAH = High molecular weight Polynuclear Aromatic Hydrocarbon
PAH = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
J = The analyte was positively identified; the quantitation is an estimation.
R = Result is rejected.

U = The analyte was not detected at or above the reported value.
C = Calculated Result. Sum of the following "high molecular weight polynuclear aromatic hydrocarbon" compounds (detections and estimated quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.
Value exceeds cleanup level

Figures



Lower Aquifer Well
Upper Aquifer Well
Fence
Sheetpile Wall
Roads
Buildings
Concrete Slab
Structures

N

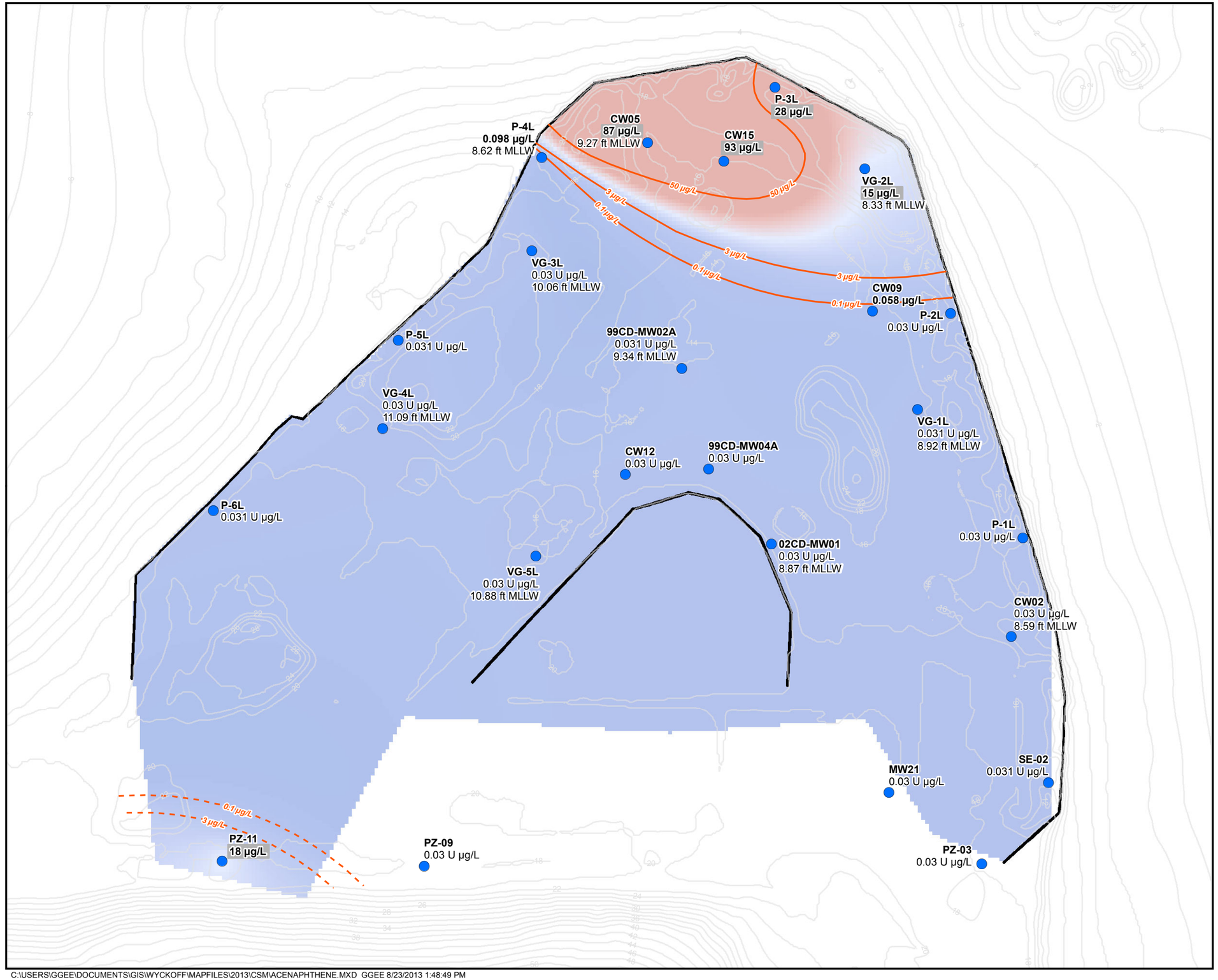
0 50 100 200 Feet

FIGURE 1

Former Process Area Well Locations

WYCKOFF/EAGLE HARBOR SUPERFUND SITE

File Path: \\bianca\proj\URSGreiner\180776\GIS\Layouts\Former_Process_Area_Well_Locations_v2.mxd, Date: February 12, 2009



LEGEND

Acenaphthene Measured May 2013 (µg/L)
Average Groundwater Elevation (March 21 - June 18, 2013)

- Lower Aquifer Well
- Acenaphthene Isopleth (0.1, 3, and 50 µg/L)
- Inferred Acenaphthene Isopleth
- Ground Surface Contours (2 ft CI, ft MLLW)

Interpolated Acenaphthene Concentration (µg/L)

High : 90

Low : 0

Notes:
Bold values = Acenaphthene was detected in well.
Shaded/Bold values = Acenaphthene exceeds groundwater cleanup level of 3.0 µg/L established in the Wyckoff ROD 2/2000.
µg/L = micrograms per Liter
ft MLLW = feet mean low low water
CI = contour interval

N

0 50 100 200 Feet

Figure 2
Acenaphthene Concentrations Measured May 2013
Groundwater Quality Sampling Results—May 2013
Wyckoff/Eagle Harbor Superfund Site

C:\USERS\GGEE\DOCUMENTS\GIS\WYCKOFF\MAPFILES\2013\CSM\ACENAPHTHENE.MXD GGEE 8/23/2013 1:48:49 PM

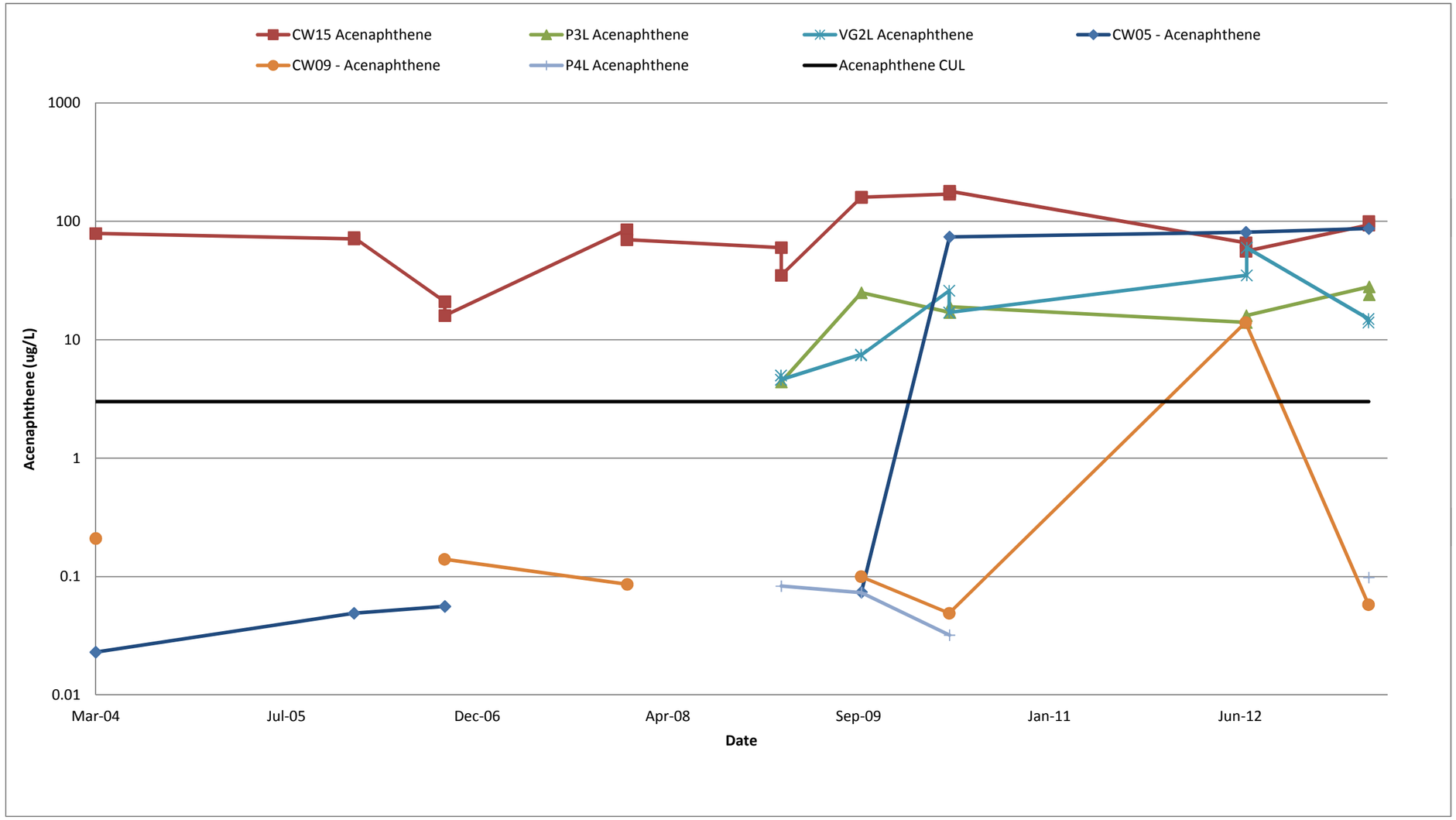


Figure 3
Time Series Plot
Acenaphthene

Appendix A
Groundwater Sampling Event Planning (GSEP) Form, Groundwater Sampling and Analysis Plan (SAP) Addendum, and Analytical Services Request Form (ASRF)

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

APPROVAL

Approved _____ Date 4-14-13
Ken Scheffler
CH2M HILL Project Manager

Approved _____ Date 4-12-13
Howard Orlean
USEPA Region 10 Remedial Project Manager

Approved _____ Date 4-11-13
Gina Grepo-Grove
USEPA Region 10 Quality Assurance Manager

Approved _____ Date _____
Marlowe Laubach
USACE Project Manager

SAMPLING EVENT OBJECTIVES

1. Identify presence of chemicals of concern in the lower aquifer and compare to previous sampling event results.
2. Identify presence of semi-volatile and TPH contaminants in lower aquifer.
3. Identify presence of chemicals that may be transported in groundwater down from the south hillside and onto the site.

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

GROUNDWATER MONITORING WELLS SCHEDULED FOR SAMPLING

Well Locations for This Sampling Event		
Shallow Aquifer Wells	Lower Aquifer Wells	Piezometers
MW21	SE-2 P-1L P-2L P-3L P-4L P-5L P-6L VG-1L VG-2L VG-3L VG-4L VG-5L CW02 CW05 02-CDMW01 99-CDMW02 CW01 CW09 CW12 CW15 99-CDMW04	PZ03 PZ09 PZ11
Well Selection Rationale	The lower aquifer wells selected for this sampling event include those sampled in the previous site groundwater sampling events (September 2009, May 2010, and June 2012). SE-2 and PZ03 were selected for this program in order to monitor the water quality in the southeast corner of the site. PZ09, PZ11 and CW01 were selected for this program in order to monitor the lower aquifer upgradient area of the site. MW21 is included in this monitoring program as an upper aquifer early warning well. Results will be used to monitor for the presence of chemicals of concern in the lower aquifer and for chemicals that may be transported through groundwater from the south hillside and onto the site. This groundwater sampling event will be conducted in accordance with the March 2004 *Groundwater Sampling and Analysis Plan* (SAP) and the December 2005 *Groundwater Sampling and Analysis Plan Addendum*	

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

FIELD MEASUREMENT METHODS AND MEASUREMENT QUALITY OBJECTIVES

Parameter	Analytical Method or Instrument	Required Sensitivity
Groundwater Purge Rate	Graduated Cylinder	+/- 10 ml/min
Dissolved Oxygen	Horiba U22 Flow Cell or equivalent	+/- 0.2 mg/L
Temperature	Horiba U22 Flow Cell or equivalent	+/- 1 °C
Turbidity	Horiba U22 Flow Cell or equivalent	+/- 10 %
PH	Horiba U22 Flow Cell or equivalent	+/- 0.2 units
Specific Conductance	Horiba U22 Flow Cell or equivalent	+/- 5%
Oxidation-Reduction Potential	Horiba U22 Flow Cell or equivalent	+/- 20 mV
Water level Elevation	Solinst Electric Water Level Probe	+/- 0.01 ft
Interface Level Elevation	Onsite Interface Probe	+/- 0.01 m

LABORATORY ANALYSES AND MEASUREMENT QUALITY OBJECTIVES

Wells	Analyte	Laboratory	Method	Required Sensitivity	Method Reporting Limit	Accuracy Goal	Precision Goal
All	PCP	EPA Region 10	SW-846 8041	0.1 µg/L	0.1 µg/L	65-135	+/- 35
All	Semivolatile Organics	EPA Region 10	SW-846 8270D	5 ug/L*	5 ug/L *	65-135	+/- 35
All	PAHs: Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene HPAH	EPA Region 10	SW-846 8270D (with SIM on non-detects)	0.04µg/L**	0.04 µg/L*	65-135	+/- 35

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

Wells	Analyte	Laboratory	Method	Required Sensitivity	Method Reporting Limit	Accuracy Goal	Precision Goal
All	Petroleum Hydrocarbons (NWTPH-Dx with Motor Oil range)	EPA Region 10	NWTPH-Dx	0.25 mg/L diesel, 0.5 mg/L motor oil	0.25 mg/L diesel, 0.5 mg/L motor oil	65-135	+/-35

* Manchester Laboratory reporting limits for most Semivolatile Organic compounds by method 8270C are between 0.8 ug/L and 2.0 ug/L.
** Manchester Laboratory may only be able to report down to 0.1 ug/L for some PAHs.

REQUIRED QUALITY CONTROL SAMPLES

Number of Samples	Sample Type
3	Field Duplicates (Frequency of 10 percent)
0	Equipment Rinse Blanks (Frequency of one per day)
2	Extra volume for MS/MSD for PAH/PCP and SVOC (Frequency of 5 percent) MS/MSD is not performed on NWTPH analyses.
3	Laboratory duplicates for NWTPH (Frequency of 10 percent)

LABORATORY REPORTING

Deliverable	• Electronic (sent as text file for database) • Hard Copy with QA memo (sent as pdf file)
Required Turn-Around-Time	Standard TATs Manchester: 8 weeks for final (Electronic and Hard Copy)
Send Laboratory Results to:	Marlowe Laubach USACE Seattle District PO Box 3755 Seattle, WA 98124-3755 (206) 764-3524 Marlowe.D.Laubach@usace.army.mil Nicole Badon CH2M HILL 1100 112th Ave NE Suite 500 Bellevue, WA 98004 (425) 453-5000 nicole.badon@ch2m.com

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

TASK REPORTING REQUIREMENTS

Report Type and Contents	Technical memorandum to present these data and relate it to any previously collected. The memo will contain the following: • Project Objectives and Methods • Summary of Field Activities • Summary of Findings • Tables of Final Data • Laboratory Data Sheets (Form Is) • Data Quality Review Reports and Summary • Field Forms and Notes
Send Technical Memorandum To:	Howard Orlean US EPA Region 10 1200 Sixth Ave Suite 900, ECL-111 Seattle, WA 98101 Orlean.Howard@epamail.epa.gov Nicole Badon CH2M HILL 1100 112th Ave NE Suite 500 Bellevue, WA 98004 (425) 453-5000 nicole.badon@ch2m.com

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

PERSONNEL

Persons/Groups Requesting Sampling	Howard Orlean US EPA Region 10 1200 Sixth Ave Suite 900, ECL-111 Seattle, WA 98101 Orlean.Howard@epamail.epa.gov Nicole Badon CH2M HILL 1100 112th Ave NE Suite 500 Bellevue, WA 98004 (425) 453-5000 nicole.badon@ch2m.com
EPA Region 10 Manchester Environmental Laboratory (MEL)	7411 Beach Drive East Port Orchard, WA 98366 Sample Custodians: Karen Norton (360-871-8760, norton.karen@epa.gov) Kim Wood (360-871-8792, wood.kim@epa.gov) Chemistry Supervisor: Gerald Dodo (360-871-8728, dodo.gerald@epa.gov)
EPA Regional Sample Control Coordinator	Jennifer Crawford US EPA Region 10 1200 Sixth Avenue Suite 900, OEA-095 Seattle, WA 98101 206-553-6261 crawford.jennifer@epa.gov
EPA Quality Assurance Officer/Chemist assigned to Wyckoff	Don Matheny USEPA Region 10 1200 Sixth Ave Suite 900 (OEA-095) Seattle, WA 98101 206-553-2599 Matheny.Don@epamail.epa.gov
USACE Project Chemist/Quality Assurance Officer	Marlowe Laubach USACE Seattle District PO Box 3755 Seattle, WA 98124-3755 (206) 764-3524 Marlowe.D.Laubach@usace.army.mil

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

Sampling Team	CH2M HILL Field Team (see below) 1100 112th Ave NE Suite 500 Bellevue, WA 98004 (425) 453-5000
Field Team Leader	Nicole Badon Cell phone: 425-233-4405 nicole.badon@ch2m.com
Other Team Members	Mark Endo, Cassie Katzen, Mario Lopez, and Brittany Prentice
Date(s) of Approved Sampling Event	May 6 – 10, 2013

ADDENDUM

Groundwater Sampling and Analysis Plan

Wyckoff/Eagle Harbor Superfund Site
Kitsap County, Washington

Prepared for:

U.S. Environmental Protection Agency
Region 10
1200 6th Avenue
Seattle, Washington 98101

Prepared by:

U.S. Army Corps of Engineers
Seattle District
4735 East Marginal Way South
Seattle, Washington 98134

December 29, 2005

This page intentionally blank

Approved _____ Date _____
USEPA Region 10 Remedial Project Manager

Approved _____ Date _____
USEPA Region 10 Quality Assurance Officer

Approved _____ Date_____
USACE Project Manager

SECTION B DATA GENERATION AND ACQUISITION

B.1 SAMPLING DESIGN AND PRE-EVENT PLANNING

The specific wells selected for each sampling event will be listed on the GSEP form. The rationale for selecting specific wells for sampling will vary depending on the objectives of each event. In general the well location and construction information, in conjunction with measurements and observations and previous laboratory results will be used to select monitoring wells to meet event objectives. The GSEP form provides for documentation of how selected wells will meet the objectives.

Construction information for groundwater monitoring wells at the Site is listed in Table 1. The locations of all wells are shown on Figure 1.

The following pre-event planning steps will be taken four to six weeks before the intended sampling:

- Pre-event planning begins with the completion of a Groundwater Sampling Event Planning (GSEP) form as presented in Appendix A. Subsequent sections of this document provide guidance for completing the GSEP form. The form must be completed by the person requesting the sampling event in conjunction with the sampling team and the Project Chemist. The GSEP form contains the following Information:
    - Persons Involved
    - Project Description and Sampling Event Objectives
    - Date of Proposed Sampling
    - Wells Selected for Sampling and How Selected Wells Relate to Objectives
    - Analytes, Laboratory Methods, and Selected Laboratory
    - Quality Control Samples Required
    - Measurement Quality Objectives
    - Laboratory Reporting Requirements
    - Event Reporting Requirements
- If the GSEP form specifies any analyses to be performed by a USEPA laboratory, send a memorandum to the USEPA Customer Service Office (CSO) (also known as the Quality Assurance Officer (QAO)) notifying them of the scheduled sampling event (known as a "project"). The CSO will assign the project a laboratory, project code, and sample numbers. Laboratory information is available in Section B.4 of this document.

The following pre-event planning steps will be taken two weeks before the intended sampling:

- Fill in the Monitoring Well Measurements and Observations Data Contained in Appendix B with the most current information available for the wells to be sampled (as identified on the GSEP form).
- Notify on-site operations personnel of the intended date of sampling and intended sampling locations and resolve any conflicts.
- For analyses called out on the GSEP form to be performed by private laboratories, contact the laboratory to verify laboratory capacity at the intended receipt date and request sample containers,

coolers, chain of custody forms, and sample labels. Laboratory information is available in Section B.4 of this document.

- Inventory field supplies. The specific equipment and supplies depends on the analytes selected, as outlined in the GSEP form. Quantities of disposable items will depend on the number of wells outlined on the GSEP form, the depth of the selected wells as shown in Table 1, and the monitoring well measurements and observations data contained in Appendix B. All calibration solutions and field reagents must be checked to ensure that the expiration date has not passed. When the inventory check determines supplies are low, additional supplies should be ordered for shipment or pick up in time for the field event. See checklist in Appendix C.
- Verify operation of field equipment. Equipment should be tested if it is seldom used, has malfunctioned in the past, or has been rented out. If tested equipment is in need of repair or replacement, the task should be taken care of in time for the field event.

The following pre-event planning steps will be taken one week before the intended sampling:

- Check sample containers to ensure that the proper number and type of containers, and preservatives are present. Refer to Table 2 for the proper sample containers.

The following pre-event planning steps will be taken two days before the intended sampling:

- Arrange for and ready transportation/field service vehicle.
- Review sampling procedures and site data in this document and from the last sampling event. Site data, including the monitoring well data, well sampling logs from the last event, and the site plan should also be reviewed
- Review health and safety plan and GSEP form.
- Ready remaining field equipment and supplies as outlined on the checklist in Appendix C.

B.2 GROUNDWATER MONITORING FIELD PROCEDURES

Groundwater monitoring field activities will consist of the following:

B.2.1 Equipment and Field Measurements

The following equipment may be used in the field to collect measurements, depending on the required measurements to meet objectives for a given groundwater sampling event:

- Flow through cell with probes. Used to measure groundwater temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential "in-line" during purging without atmospheric contact. These measurements are used as an indicator of the adequacy of purging prior to sample collection as well as for geochemical characterization.
- Water Level Indicator. Used to measure depth to water to the nearest 0.01 ft.
- Interface probe. Used to identify and measure thickness of NAPL in monitoring wells.
- Photometer. Used in conjunction with Chemetrics or Hach self-filling colorimetric ampoules to provide in-field measurements of sensitive constituents such as Fe(II), Fe(III), dissolved oxygen (<1mg/L), and sulfide.

Field measurement methods and measurement quality objectives relevant to sampling event objectives will be listed on the GSEP form.

B.2.2 Equipment Calibration and Operation Verification

All field instruments must be calibrated at the start of each day's deployment per the instrument manufacturer's instructions. Record calibration data on the "Field Instruments Calibration Form" (Appendix D). All calibration solutions must be discarded after each use. Calibration checks against standards should be performed periodically throughout each day to verify equipment operation. Due to high expected contaminant concentrations, it is possible that the membrane on the dissolved oxygen probe will become fouled and inoperative. The membrane should be replaced as often as necessary per the manufacturer's guidelines.

B.2.3 Equipment Decontamination

All non-disposable and/or non-dedicated equipment that is exposed to well water (e.g. water level probe) should be decontaminated prior to collecting the first sample each day and between wells. Decontamination of equipment must be completed before leaving each well head, therefore, eliminating cross contamination.

Decontamination will be performed according to ASTM D5088.

The wash for wells that historically show no presence of NAPL should consist of:

- Non-phosphate detergent (such as Alconox) and water wash
- Tap water rinse
- Deionized water rinse

Decontamination procedures for wells that have historically shown the presence of NAPL should also include an additional step following the tap water rinse:

- Organic desorbing agent (isopropanol, acetone, methanol, etc.) rinse.

All accessible surfaces should be cleaned with a brush to remove particles or surface film. Internal surfaces should be cleaned with a small "bottle" type brush if possible. If the internal mechanism or tubing cannot be adequately cleaned with a brush, the decontamination solutions should be circulated through the equipment. Specific details for disassembly and decontamination of specific equipment (e.g. flow-through cell) may be found in the manufacturer's User's Guides.

All disposable equipment (tubing, nitrile gloves) must be discarded between sampling points. Spent decontamination fluids must be contained. Water and soapy water may be disposed in the on-site decontamination pad sump (which is handled by the on-site treatment plant). Used solvents must be collected, stored, and disposed of according to approved site hazardous waste procedures. Specifically, solvent rinses will be captured in a labeled 5-gallon container, which will be sealed and over-packed in a labeled 55-gallon drum located at the on-site hazardous waste storage area. The waste will be stored here until disposal is contracted by USACE. Per the Site Waste Management Plan, the spent solvent will only be disposed of at an approved hazardous waste facility.

B.2.4 Monitoring Well Purging and Sampling Procedures

All groundwater sampling from monitoring wells at the Site will be performed consistent with EPA/540/5-95/504 (Low Flow Groundwater Sampling Procedures). Purging and sampling will be performed using a peristaltic pump or dedicated submersible pump (with flow controller). Purging will be completed at a low rate to minimize sample disturbance and analytical artifacts, and samples will be collected when indicator parameter measurements have stabilized (indicating purging is complete).

Step-by-Step Groundwater Purging and Sampling Procedure

1. Bring decontaminated equipment to the first well scheduled to be sampled (typically the least contaminated). Make notes on the Groundwater Sampling Data Sheet (Appendix E) describing the well condition, need for maintenance/repair, and activity in the vicinity of the well.
2. If the available monitoring well measurements and observations data from previous sampling events suggests the presence of NAPL (or if no data are available from the well), check for the presence of NAPL using the Interface Probe. The interface probe will not be used to check for NAPL in lower aquifer wells and piezometers to avoid cross-contamination from the probe. After recording the NAPL thickness and water level on the Groundwater Sampling Data Sheet (Appendix E), retract the interface probe while wiping it down with a disposable towel. If the presence of NAPL is not suggested, measure the depth to water from the surveyed reference mark on the wellhead using the standard water level meter. As with the interface probe, retract the water level meter while wiping it down with a disposable towel.
3. If using a peristaltic pump:
   - Deploy a sufficient length of disposable ¼" OD polyethylene tubing into the well. If the static water level is above the top of the well screen, the bottom of the tubing should be placed in the center of the well screen. If the static water level is below the top of the well screen, the bottom of the tubing should be placed in the center of the water column.
   - The upper end of the disposable tubing should be tightly connected to silicon disposable tubing placed inside the grip of the peristaltic pump.
   - Connect a sufficient length of ¼" OD polyethylene disposable tubing to the discharge side of the silicon tube in order to connect the water line from the pump to the In-line flow cell's "IN" fitting.
4. If instead using a dedicated submersible pump:
   - Deploy the pump into the well. If the static water level is above the top of the well screen, the intake of the pump should be placed in the center of the well screen. If the static water level is below the top of the well screen, the intake of the pump should be placed in the center of the water column.
   - Connect a sufficient length of the disposable 1/2" OD polyethylene water tubing to the In-Line flow cell's "IN" fitting.
5. Verify the pump and controller are OFF. Connect the pump cables to the battery. If using the submersible pump, connect the pump to the flow controller plug. Then connect the controller cables to the battery.
6. Connect the Flow Cell's "OUT" line and secure to drain the purge water into the purge water collection container.
7. Deploy the water level meter and lock it in place so that the level can be monitored during purging and sampling. When placing the probe in the well, take precautions to prevent disturbing or agitating the water.
8. Set the pump controller settings to the documented settings used previously for the specific well. Start the pump.Verify the flow rate using a graduated cylinder. If the well has not been sampled with this equipment before, set the flow controller just high enough to allow water to reach the surface. Confirm the flow rate is equal to the well's established optimum flow rate. Modify as necessary (documenting any required modifications).

9. After a single flow cell's volume has been adequately purged, read and record water quality field measurements until all parameters have stabilized within their allowable ranges for at least three consecutive measurements.

   Ranges for stabilized values are as follows:

   - Temperature: $\pm$ 0.5° C
   - pH: $\pm$ 0.2 units
   - Conductance: $\pm$ 5.0 % of reading
   - Turbidity ± 10% NTU

   The frequency of readings will be based on the time required to purge one volume of the flow cell. For example, a 500-ml flow cell purged at a rate of 250 ml/minute will be purged in two minutes, so readings should be at least two minutes apart. If the flow rate is 100 ml/min, the readings should be at least 5 minutes apart, etc. When stabilization has been achieved, sample collection may begin.

10. Monitor the water level and confirm that the Static Water Level (SWL) drawdown has stabilized.
11. To collect the sample, disconnect the flow cell and it's tubing from the pump discharge line before collecting samples. For volatile constituent samples, decrease the pump rate to 100 milliliters per minute or less by lowering the pump controller's speed setting prior to collecting samples for volatiles. Refer to the GSEP for each event's specific sample collection matrix. Samples, as applicable, should be collected in the following sequence for each well: VOCs, PAHs, PCP, SVOCs, and then TPH. This sample collection sequence will ensure that critical samples are collected first in case the wells were to be pumped dry.
12. Place the samples in a cooler with enough ice to keep them at 4 degrees Centigrade.
13. For dissolved gas analysis and field chemical analyses, see procedures below.
14. When all sample containers have been filled, make a final measurement of the well's Static Water Level and record the measurement on the gauging and sampling sheet.
15. Measure and record total purge volume collected. Consolidate generated purge water.
16. Turn off the pump. Disconnect the cables from the battery terminals and the pump from the controller (if applicable).
17. Remove the pump and all applicable tubing from the well. Disconnect the tubing from the pump.
18. Remove and decontaminate the submersible pump (if applicable) and water level probe with phosphate-free detergent, rinsing with potable water and rinsing with de-ionized water.
19. Dispose of the polyethylene and silicone tubing.
20. Secure the wellhead cover. Move equipment to next well to be sampled.
21. At the end of each day, post calibrate all field instruments and record the measurements on the "Groundwater Sampling Instrument Calibration Documentation Form".
22. If an In-Line Flow Cell was used, clean and decontaminate this equipment with phosphate-free detergent, rinsing with potable water and rinsing with de-ionized water.

Dissolved Gas Sampling Procedures (if Required)

Dissolved gas sampling will be conducted in accordance with Microseeps Inc. (Pittsburgh, PA) SOP SM9 for bubble-stripping:

1. Follow well purging steps 1-10 as outlined above.
2. Connect the inlet tube of the decontaminated gas stripping cell to the pump discharge tubing.
3. Insert the drain tube of the cell into a waste container, keeping the end of the tube at the bottom of the container. Any waste container of suitable size may be used. Place a graduated cylinder in the waste container to determine pumping flow rate.
4. Secure the cell assembly so that the housing cover (stopper) is above the glass housing (i.e. upright). A ring stand and clamp are recommended for this purpose.
5. Turn the pump on and check for leaks. If any leaks are found, seal them before proceeding.
6. Measure, in mL per minute, the flow rate of the pump.
7. Determine the equilibrium time needed to bubble strip at this flow rate based on the flow rate as follows:

Flow Rate (ml/min)	Sampling Time (min)
100-120	30
130-150	25
160-200	20
210-300	15
>300	10

8. Unclamp the cell assembly, invert it, and re-secure the assembly in the inverted position. Make sure the drain tube is still in the waste container and the end of the drain tube is near the bottom of the bottle.
9. Connect the stopcock to the syringe and the needle to the stopcock (zoom in on image). Place the stopcock in the open position (so that the stopcock handle is in-line with the syringe). Draw the plunger back on the syringe to the 20.0 mL mark pulling ambient air into the syringe.
10. Keeping the cell in the inverted position, insert the needle into the needle guide. Pierce the septum and inject the air into the cell creating the bubble. Withdraw the needle from the assembly and carefully place the needle into the cover. Do not discard the syringe apparatus.
11. Start timing and let the groundwater pump through the cell for the required equilibrium. Meanwhile, be sure that the sample vial is properly labeled and that the flow rate and any other relevant field data are recorded in the field log.

    Note: Be sure to keep the end of the drain tube submerged at the bottom of the waste container. This will insure that outside air is not drawn into the cell. **Failure to do this will invalidate the sample.**

12. When equilibration time is up, **turn off the pump,** unclamp the cell, and re-clamp it in its upright position. Verify that the plunger of the syringe is pushed all the way in and that the stopcock is in the open position.
13. Insert the needle into the needle guide and pierce the septum. Withdraw 1 mL of gas by pulling back on the syringe plunger while holding the syringe body in place. Remove the syringe from the cell and expel the sample.
14. Immediately re-insert the needle into the needle guide and pierce the septum. Withdraw a 15 mL sample of gas (being careful not to pull any water into the syringe). With the needle still through the septum, close the stopcock and withdraw the needle from the septum.

15. Immediately insert the needle through the septum on the sample vial. Keeping the syringe and vial "in line", open the stopcock and completely depress the syringe plunger injecting the entire sample into the vial.

16. Keeping the plunger depressed, quickly remove the vial from the needle. The sample is now ready to be packaged and shipped to the laboratory for analysis. Do not cool the samples.

17. Return to step #14 of Ground Water Sampling Procedures.

Field Analysis Procedures (if Required)

Certain sensitive constituents, such as Fe (II) and Fe (III), dissolved carbon dioxide, and sulfide are often best determined in the field due to chemical changes that can occur following collection. Furthermore, if dissolved oxygen measurements below 1.0 mg/L are desired, field tests must be performed due to limitations of dissolved oxygen sensors. If required, field analyses will be performed at the wellhead using colorimetric methods. Chemetrics or Hach self-filling analyte-specific ampoules and a portable photometer from either manufacturer will be used.

Because these analyses are being performed for constituents that are sensitive to air exposure, a funnel-device must be used to allow the ampoule to be filled from an upward-flowing water stream while the pump is discharging water. The hard plastic funnel (supplied by the ampoule manufacturers) should be attached to the pump discharge tubing with a small piece of adaptable disposable tubing. Tygon 2356 is preferred for this application due to its chemical resistance. Standard vinyl Tygon tubing should not be used due to the leachable plasticizers.

After allowing the ampoule to fill in the upward discharge stream, all instructions and procedures printed by the manufacturer for each analyte should be followed. Results should be recorded on the groundwater sampling field log forms. Return to step #14 of Ground Water Purging and Sampling Procedure.

B.3 SAMPLE DOCUMENTATION, HANDLING AND CUSTODY

This section describes the documentation required for groundwater sampling events. This documentation will be supplemented with additional EPA documentation as required.

B.3.1 Sample Identification

All groundwater monitoring samples will be identified on chain-of-custody forms, analysis requests, and sample tags with USEPA-assigned sample numbers, RAS case numbers (if applicable), and sampling location IDs (e.g., CW-15). USEPA sample numbers will be used as assigned by the CSO (per Section B.1). Groundwater sample identification and chain-of-custody information will be coordinated with the Forms II Lite software.

B.3.2 Field Documentation and Sample Management

This section describes the procedures for documentation and sample management in the field, including field documentation (i.e., information to be included in field logbooks), sample documentation (i.e., USEPA-assigned project codes and sample numbers, the various chain-of-custody and analytical request forms, sample tags and labels, and chain-of-custody procedures), packaging, and shipping.

B.3.3 Field Documentation

All field sampling activities will be documented using the Groundwater Sampling Data Sheet to record the following information:

- Physical/environmental conditions during field activities;
- Well conditions, need for maintenance;
- Personnel involved with the activities;
- Well/sample location identification;
- Equipment calibration and decontamination notes (cross reference calibration form);
- Depth to groundwater before sampling was initiated;
- Identifiers for specific equipment used for sample collection (i.e. serial numbers);
- Information regarding well purging (e.g., volumes and pumping rates);
- Date and elapsed time from sample start to sample finish;
- Purging data, including time-series measurements of indicator parameters and water level during pumping;
- Final, stable field parameter measurements;
- Results of any in-field analyses;
- Type of sample and necessary treatment (e.g., filtering or preservative used);
- Field observations (e.g., weather conditions);
- Appearance of sample (i.e., color, turbidity, sediment, odor or sheens);
- Sample duplicates, splits, and blanks, if applicable; and
- Unusual activities, such as departures from planned procedures and equipment breakdowns.

All logs will be completed, signed, and dated by the recorder. All logs will be written with waterproof ink. Corrections will be made by crossing out the error with a single horizontal line, initialing the correction, and entering the correct information. Crossed-out information shall be readable.

B.3.4 Sample Documentation Forms

For all analyses, whether performed by USEPA regional labs, CLP labs, or commercial labs, samples must be labeled and documented with the FORMS II Lite software.

B.3.5 Sample Tags

The information recorded on the sample tag includes:

- Project Code—the number assigned by the USEPA to the sampling project
- Station Number—A station number will be assigned to each sampling location
- Month/Day/Year—A six-digit number indicating the date of collection
- Time—A four-digit number indicating the military time of collection
- Designate: Preservative—A box that should be checked appropriately to indicate ice or none
- Designate: Chemical—A box that should be checked appropriately if a chemical preservation is used
- Station Location—This is the location of the sampling event
- Samplers—Signatures of samplers on the project team
- Remarks—Type of chemical preservative, if any, as well as any pertinent comments
- Tag No.—A unique serial number preprinted or stamped on the tag
- Lab Sample No.—The EPA-assigned eight-digit sample number provided by the CSO

Additionally, the sample tag contains appropriate spaces for indicating the analytical parameter(s) for which the sample will be analyzed.

After the sample tag is completed, each tag will be securely attached to the sample container using clear packing tape.

B.3.6 Sample Preservation, Packaging and Shipment

Specific sample containers and sample handling requirements for expected analyses are described in Table 2. Refer to the GSEP form for the event specific sampling matrix.

The following packaging procedure should be followed:

1. Place samples in plastic bag and seal. An additional outer wrap of a bubble-wrap bag with an adhesive strip is preferred for packaging.
2. Put samples upright in a field cooler with blue ice and/or wet ice immediately after collection. Wet ice must be sealed in plastic bags to prevent melting ice from soaking the packing material and/or destroying sample labels. The cooler drain plug should be taped shut inside and out.
3. The samples should be firmly packed with cushioning materials, such as foam blocks or bubble-wrap, to minimize the potential for breakage during shipping.
4. Enclose sample documentation in sealed plastic bags and tape to the underside of the cooler lid. Keep copies with the field notes.
5. Secure shipping cooler(s) for shipment with strap tape and custody seals, and coordinate shipment.

Samples will be shipped by common carrier or hand delivered to the laboratory. Shipment and/or delivery of the samples will be coordinated with the USEPA CSO. Freight bills, postal receipts, and bills of lading will be retained as part of the permanent documentation.

B.3.7 Chain-of-Custody Procedures

In accordance with USEPA enforcement requirements, official custody of samples will be maintained and documented from the time of collection until the time of introduction as evidence during litigation, if required.

A sample will be considered to be in an individual's custody if any of the following criteria are met: (1) the sample is in your possession or it is in your view after being in your possession; (2) it was in your possession and then locked up or sealed to prevent tampering; or (3) it is in a secured area. The sampling team leader will be responsible for the care and custody of the collected samples until they are dispatched properly. In follow-up, the sampling team leader will review all field activities to confirm that proper custody procedures were followed during the fieldwork.

The Chain-of-Custody Record form is physical evidence of sample custody. A Chain-of-Custody Record form will be completed to accompany each cooler shipped from the field to the laboratory.

One member of the sampling team will be designated as the recorder, and that person will complete all of the paper work associated with one Chain-of-Custody Record form. However, each sampling team member must also initial the Chain-of-Custody Record form in the designated area. For each station number, the recorder is to indicate the date, time, whether the sample is a composite or grab, station location, number of containers, analytical parameters, sample label number(s), and preservatives used. When shipping the samples, the recorder signs the bottom of the form and enters the date and time the samples are relinquished. The shipper name and air bill number are to be entered under the remarks section in the bottom right corner of the form. Samples that are hand delivered to the laboratory will also be identified here.

The Chain-of-Custody Record form is to be completed using waterproof ink. Corrections are to be made by drawing a line through the error, initialing and dating the error, then entering the correct information.

The original signature copy of the Chain-of-Custody Record form will be enclosed in plastic and secured to the inside of the cooler lid. A copy of the custody record will be retained for the sampler's files.

Shipping coolers will be secured, and EPA custody seals will be placed across cooler openings. As long as the Chain-of-Custody Record forms are sealed inside the sample cooler and remain intact, commercial carriers will not be required to sign the record when they receive and relinquish the samples.

The laboratory representative who accepts the incoming sample shipment will sign and date the Chain-of-Custody Record form to acknowledge receipt of the samples. Once the sample transfer process is complete, the laboratory will be responsible for maintaining internal logbooks and records that provide a custody record throughout sample preparation and analysis.

B.4 LABORATORIES AND ANALYTICAL METHODS

USEPA Regional Laboratory analytical specifications and USEPA CLP specifications will apply as applicable.

B.4.1 Laboratory Contacts:

USEPA Customer Service Officer / Quality Assurance Officer:

Laura Castrilli
USEPA
1200 6th Avenue
Seattle, WA 98101
Tel: (206) 553-4323

B.4.2 Analytical Methods and Measurement Quality Objectives

Specific analytical methods and measurement quality objectives (MQOs), in terms of accuracy, precision, completeness, comparability, and representativeness, will be specified on each GSEP form.

B.5 QUALITY CONTROL SAMPLES

The type and number of QC samples will be specified on the GSEP form. The following explains the various types of samples and provides guidance for the frequency of collection.

B.5.1 Laboratory QC Samples.

The laboratory will perform method-specific QC activities, including surrogate recoveries, matrix spike, duplicates, and blanks. The data will be considered valid if percent recoveries fall between method-specific lower and upper control limits. Due to the complexity of the chemistry at the Wyckoff site, each sampling event must supply the laboratory enough sample volume so that site-specific matrix spike and matrix spike duplicates samples may be analyzed.

B.5.2 Field QC Samples

Field Equipment Rinse Blanks

No field equipment rinse blanks are required because only dedicated well pumps and tubing will be used.

Field Duplicate Samples

During each individual sampling event, one field duplicate or ten percent of the total samples (whichever is greater) will be collected and analyzed for all parameter groups in each sample matrix.

These samples will be submitted as blind duplicates (i.e. under a separate, unique sample number). Refer to section B.3.1 for labeling information. The location where the duplicate samples were collected will be recorded in the field logs and documented in the monitoring report. The duplicate samples will be submitted to the same laboratory as the primary samples. The duplicate samples should be collected from wells where constituents of concern have been detected in previous sampling events. The duplicate should rotate among eligible locations between sampling events whenever possible.

Field Temperature Blanks

The field temperature blank is designed to verify that the temperature within the transport container is maintained at 4 degrees Celsius. The temperature blank will be water. One temperature blank will be included in each cooler.

Field Trip Blanks

The trip blank is designed to determine if the VOC vials were decontaminated properly, if the source water was contaminant-free, or if cross contamination may have occurred during storage and transport of samples as a result of VOCs possibly diffusing through the septum lids. The trip blanks will be prepared by the contracted laboratory and sent with the empty VOC sample vials. One set of trip blanks will be included in each cooler containing samples for VOC analysis.

B.5.3 Analytical Data Quality Indicators

Accuracy: Amount of agreement between a measured and true value. The accuracy goal for each measurement or measurement groups for a given sampling even will be specified on the GSEP form.

Precision: The degree of agreement between or among independent, similar, or repeated measures. The precision goal for each measurement or measurement groups for a given sampling even will be specified on the GSEP form.

Representativeness: The degree to which sample results represent the system under study. This program will use the results of all analyses to evaluate the data in terms of its intended use.

Comparability: The degree to which data from one study can be compared with data from other similar studies. Achieved by using standard techniques to collect and analyze representative samples and by reporting analytical results in appropriate units.

Completeness: The percentage of useable data out of the total amount of planned data. The project goal is 98 percent of all data.

Table 1. Monitoring Well Construction Information

Monitoring Well Identification	Well Location (feet, NAD83)		Top of Casing Elev. Elev. (ft MLLW)	Total depth from Ground	Stickup	Depth to top of Screen	Screen Length	Screen type and Opening Size	Depth to Top of Sandpack	Size and Type of Sandpack	Hydraulic Conductivity	Well Diameter (inches)	Construction Date	Drilling Method
	Easting	Northing												
CW01[A,B]	1229108.5	228884.3	60.97	65	0	52	10	316 ss, 10 slot	50	10x20 CSSI		4	3/17/1994	Speedstar 72 Cable Tool
CW02[A]	1229448.8	229253.9	19.45	80	0	67	10	316 ss, 10 slot	65	10x20 CSSI		4	3/29/1994	Speedstar 72 Cable Tool
CW03	1229441.2	229245.9	19.28	52	0	39	10	316 ss, 10 slot	37	10x20 CSSI		4	3/31/1994	Speedstar 72 Cable Tool
CW04	1229209.0	229672.4	17.44	70	0	49	19	316 ss, 10 slot	55	10x20 CSSI		4	3/24/1994	Speedstar 72 Cable Tool
CW05[A]	1229083.7	229749.7	18.30	102	0	58	41	316 ss, 10 slot	87	10x20 CSSI		4	4/1/1994	Speedstar 72 Cable Tool
CW06	1229146.7	229797.7	16.81	67.5	2.57	54.5	10	316 ss, 10 slot	51.5	10x20 CSSI		4	9/7/1995[E]	Speedstar 72 Cable Tool
CW07	1229157.4	229798.8	16.69	23	2.72	5	15	316 ss, 10 slot	2	10x20 CSSI		4	9/6/1995[E]	Speedstar 72 Cable Tool
CW08	1228978.4	229714.8	17.85	23	2.76	5	15	316 ss, 10 slot	2	10x20 CSSI		4	9/5/1995[E]	Speedstar 72 Cable Tool
CW09[A]	1229309.5	229580.6	17.79	108	2.93	95	10	316 ss, 10 slot	92	10x20 CSSI		4	9/19/1995[E]	Speedstar 72 Cable Tool
CW10	1229377.3	229444.4	17.38	62	2.71	49	10	316 ss, 10 slot	46	10x20 CSSI		4	9/21/1995[E]	Speedstar 72 Cable Tool
CW12[A]	1229061.5	229416.6	18.64	68	2.86	55	10	316 ss, 10 slot	52	10x20 CSSI		4	9/27/1995[E]	Speedstar 72 Cable Tool
CW13	1228791.5	229460.3	17.37	23	3.17	5	15	316 ss, 10 slot	2	10x20 CSSI		4	8/31/1995[E]	Speedstar 72 Cable Tool
CW14	1228800.7	229466.6	17.23	39	2.94	26	10	316 ss, 10 slot	23	10x20 CSSI		4	9/12/1995[E]	Speedstar 72 Cable Tool
CW15[A]	1229160.2	229731.0	16.33	98	2.6	85	10	316 ss, 10 slot	82	10x20 CSSI		4	9/7/1995[E]	Speedstar 72 Cable Tool
EW03	1228701.4	229365.8	17.23	23.5	0.13	17.5	5	ss, 30 slot	15.5	Monterey Sand #9		2	7/19/1985	10 inch HSA
EW07	1229398.4	229370.1	16.86	21	1.86	15	5	ss, 30 slot	11.8	Monterey Sand #9		2	7/18/1985	10 inch HSA
EW08	1229332.1	229276.7	17.37	10.8	2.27	4.8	5	ss, 30 slot	3.8	Monterey Sand #9		2	8/8/1985	10 inch HSA
EW11	1229458.8	229265.5	15.52	29	-0.38	23	5	ss, 30 slot	19	Monterey Sand #9		2	8/12/1985	10 inch HSA
EW12	1229292.0	229639.1	15.07	20	-0.23	14	5	ss, 30 slot	12	Monterey Sand #9		2	8/7/1985	10 inch HSA
EWC2[C]	1229462.3	229254.2	15.72	59.7	-0.28	53.7	5	ss, 30 slot	50.7	Monterey Sand #9		2	8/14/1985	10 inch HSA
EWC3	1229298.6	229634.4	15.11	64.5	-0.29	58.5	5	ss, 30 slot	54.7	Monterey Sand #9		2	8/8/1985	10 inch HSA
MW14	1229086.2	229768.8	17.90	22	2.73	7	10	304 ss, 20 slot	6	Colorado Sand #8	62.5 gpd/ft^2	2	3/17/1987	8 inch OD HSA
MW15	1229055.0	229477.0	15.57	22	-0.23	5	10	304 ss, 20 slot	3.7	Colorado Sand #8	163 gpd/ft^2	2	3/31/1987	8 inch OD HSA
MW16	1229143.2	229620.3	13.88	22.5	-0.32	5	10	304 ss, 20 slot	4	Colorado Sand #8		2	3/17/1987	8 inch OD HSA
MW17	1228939.2	229413.8	19.06	30	2.88	5	10	304 ss, 20 slot	4	Colorado Sand #8		2	3/16/1987	8 inch OD HSA
MW18	1229207.7	229360.3	15.92	22	0.12	5	10	304 ss, 20 slot	3	Colorado Sand #8	26.7 gpd/ft2	2	3/16/1987	8 inch OD HSA
MW19	1228759.7	229101.7	18.45	20	0.2	5	10	304 ss, 20 slot	4	Colorado Sand #8	8.7 gpd/ft2	2	3/14/1987	8 inch OD HSA
MW21	1229326.1	229097.5	18.26	23.5	-0.34	8.5	10	304 ss, 20 slot	7	Colorado Sand #8	55.2 gpd/ft2	2	3/12/1987	8 inch OD HSA
MW22	1228244.7	229110.7	17.5[D]	20		5	10	304 ss, 20 slot	4	Colorado Sand #8	4.8 gpd/ft2	2	03/23/87[F]	8 inch OD HSA
MW23	1228518.9	229114.7	17.45	20	-0.75	5	10	304 ss, 20 slot	4	Colorado Sand #8	3.5 gpd/ft2	2	03/24/87[F]	12 inch OD HSA
OB-1-1	1229070.7	229462.3	17.72	39	1.72	5	30	ss, 20 slot	4	Monterey Sand #16		2	11/15/1988	Mobile B 61
OB-1-2	1229051.9	229467.1	17.65	39	1.75	5	30	ss, 20 slot	4	Monterey Sand #16		2	11/16/1988	Mobile B 61
OB-2-1	1229142.7	229668.0	16.08	39.5	1.18	5	31.5	ss, 20 slot	4	Monterey Sand #16		2	11/16/1988	Mobile B 61
OB-2-2	1229137.4	229682.8	16.43	39	1.83	5	31	ss, 20 slot	4.29	Monterey Sand #16		2	11/16/1988	Mobile B 61
OB-3-1	1229277.6	229639.7	17.24	39	1.94	5	31	ss, 20 slot	4	Monterey Sand #16		2	11/21/1988	Mobile B 61
OB-3-2	1229284.0	229647.2	17.45	39	2.07	6	30	ss, 20 slot	4	Monterey Sand #16		2	11/21/1988	Mobile B 61
OB-4-1	1229386.6	229271.4	16.31	39.5	0.31	6.5	30	ss, 20 slot	3.5	Monterey Sand #16		2	11/17/1988	Mobile B 61
OB-4-2	1229387.5	229277.3	16.56	39.8	0.56	6.4	30.3	ss, 20 slot	3.5	Monterey Sand #16		2	11/17/1988	Mobile B 61
OB-4-3	1229401.9	229285.1	16.22	39.25	0.42	6.25	30	ss, 20 slot	4	Monterey Sand #16		2	11/18/1988	Mobile B 61
OB-4-4	1229382.7	229290.2	16.34	39.75	0.14	6.8	29.95	ss, 20 slot	4	Monterey Sand #16		2	11/18/1988	Mobile B 61
PO01	1229259.0	229597.2	17.94	19	2.34	4	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/10/1989	Acker Portable Mud Rotary
PO03	1229157.8	229514.3	16.36	17	2.64	4	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/12/1989	Acker Portable Mud Rotary
PO04	1229262.1	229395.7	16.83	17.5	2.48	4.5	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/14/1989	Acker Portable Mud Rotary
PO05	1229254.5	229439.6	16.72	17.5	2.68	4.5	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/17/1989	Acker Portable Mud Rotary
PO09	1228998.9	229473.5	18.54	18	2.52	5	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/18/1989	Mobile B 61
PO13	1229366.1	229490.7	16.78	18	1.88	5	10	ss, 20 slot	2.5	Monterey Sand #16		2	4/18/1989	Mobile B 61
PO18	1229459.8	229258.2	17.62	16	1.82	5	10	ss, 20 slot	5	Aqua 8		2	8/23/1989	Bucyrus Erie 22 W Cable Tool
99CD-MW02[A]	1229118.2	229522.8	16.80	82.5	2.5	72.5	10.0	ss, 20 slot	70.0	10x20 CSSI		2	7/29/1999	Bucyrus Erie 22 W Cable Tool
99CD-MW04[A]	1229145.1	229421.6	18.23	76.0	2.5	66.0	10.0	ss, 20 slot	64.0	10x20 CSSI		2	7/22/1999	Bucyrus Erie 22 W Cable Tool
02CD-MW01[A]	Not surveyed	Not surveyed	Not surveyed	63.0	2.6	53.0	10.0	304 ss, 20 slot	50.1	10x20 CSSI		2	11/25/2002	Bucyrus Erie 22 W Cable Tool

Notes:
A. Monitoring well screen is in lower aquifer.
B. Riser cut shorter after soil removal.
C. Inner casing damaged during sheet pile installation, well is unserviceable.
D. Inner casing fused shut; measurement is outer casing.
E. Completion date not known; date is start of drilling.
F. Completion date not known; date is completion of well development.

Table 1a. Monitoring Well Construction Information

Monitoring Well Identification	Well Location (feet (NAD83)		Top of Inner Casing Elev. (feet MLLW)	Total depth from Ground (feet)	Stickup (feet)	Depth to Top of Screen (feet)	Screen Length (feet)	Screen Type and Opening Size (inches)	Well Diameter (inches)	Construction Date
	Northing	Easting								
SE-02	229107.302	1229486.188	18.975	50.10	1.90	40.0	10	316 ss, 0.010	2	8/26/2008
P-1L	229353.075	1229460.406	19.540	97.00	3.00	88.0	10	316 ss, 0.010	2	9/11/2008
P-2L	229578.355	1229388.108	19.836	114.60	2.40	105.0	10	316 ss, 0.010	2	9/16/2008
P-3L	229805.341	1229211.564	23.166	128.80	3.20	113.6	10	316 ss, 0.010	2	9/19/2008
P-4L	229734.919	1228977.326	20.744	90.83	3.07	81.9	10	316 ss, 0.010	2	9/29/2008
P-5L	229551.501	1228833.354	20.744	80.00	2.00	70.0	10	316 ss, 0.010	2	9/30/2008
P-6L	229380.459	1228647.663	20.748	87.00	3.00	78.0	10	316 ss, 0.010	2	10/2/2008
VG-1L	229481.816	1229354.707	18.955	100.50	3.10	91.6	10	316 ss, 0.010	2	9/12/2008
VG-2L	229723.397	1229301.662	26.167	126.70	3.10	117.8	10	316 ss, 0.010	2	8/27/2008
VG-3L	229641.148	1228967.281	22.817	97.37	2.83	88.2	10	316 ss, 0.010	2	9/25/2008
VG-4L	229462.658	1228817.697	20.731	84.00	3.00	75.0	10	316 ss, 0.010	2	10/1/2008
VG-5L	229334.879	1228971.530	18.981	72.56	2.84	63.4	10	316 ss, 0.010	2	9/24/2008

Table 2. Sample Handling Requirements for Groundwater Monitoring

Analysis	Type of Container	Sample Volume	Sample Preservation	Sample Holding Time
Total Organic Carbon	125 ml HDPE bottle with Teflon-lined cap	125 ml; fill to shoulder of bottle	Cool, 4°C; H_2SO_4 to pH < 2	As soon as possible, 28 days maximum
Nitrate	125 ml HDPE bottle with Teflon-lined cap	125 ml; fill to shoulder of bottle	Cool, 4°C	48 hours
Nitrite	125 ml HDPE bottle with Teflon-lined cap	125 ml; fill to shoulder of bottle	Cool, 4°C	48 hours
Sulfate	125 ml HDPE bottle with Teflon-lined cap	125 ml; fill to shoulder of bottle	Cool, 4°C	As soon as possible, 28 days maximum
Chloride	125 ml HDPE bottle with Teflon-lined cap	125 ml; fill to shoulder of bottle	Cool, 4°C	As soon as possible, 28 days maximum
Petroleum Hydrocarbons (NWTPH-Dx)	One 1-liter amber glass bottle with Teflon-lined phenolic or polypropylene cap	1 liter; fill to shoulder of bottle	Cool, 4°C	As soon as possible, 7 days maximum to extraction
PCP	One 1-liter amber glass bottle with Teflon-lined phenolic or polypropylene cap	1 liter; fill to shoulder of bottle	Cool, 4°C	7 days to extraction, 40 days after extraction
PAHs (w/SIM)	Two 1-liter amber glass bottle with Teflon-lined phenolic or polypropylene cap	1 liter; fill to shoulder of bottle	Cool, 4°C	7 days to extraction, 40 days after extraction
SVOCs	One 1-liter amber glass bottle with Teflon-lined phenolic or polypropylene cap	1 liter; fill to shoulder of bottle	Cool, 4°C	7 days to extraction, 40 days after extraction
VOCs	Three 40 ml VOA vials with Teflon-lined caps	40 ml, fill to top ensuring no bubbles	Cool, 4°C; HCL to pH < 2	As soon as possible, 14 days maximum to extraction
Metals (total) - calcium - magnesium - manganese - potassium - sodium	500 ml HDPE bottle with Teflon-lined cap	500 ml; fill to shoulder of bottle	Cool, 4°C; HNO_3 to pH < 2	6 months

Figure 1. Wyckoff/Eagle Harbor Superfund Site Monitoring Well Network

APPENDIX A

GROUNDWATER SAMPLING EVENT PLANNING (GSEP) FORM

APPENDIX B

MONITORING WELL MEASUREMENTS AND OBSERVATIONS FORM

APPENDIX C

FIELD EQUIPMENT AND SUPPLIES CHECKLIST

APPENDIX D

FIELD INSTRUMENTS CALIBRATION FORM

APPENDIX E

GROUNDWATER SAMPLING DATA SHEET

EPA Region 10 – ANALYTICAL SERVICES REQUEST FORM

TO BE COMPLETED BY EPA RPM or CONTRACTOR:

Project Name: Wyckoff Eagle Harbor Groundwater Superfund Site, Bainbridge Island, WA				EPA Project Manager: Howard Orlean	
Program: Superfund - RD/RA				Date Sampling Begins: 5/6/2013	Date Sampling Ends: 5/10/2013
Shipping Period/Lab Receipt:	5/7/2013	To	5/10/2013	QAPP/SAP Provided to RQAM and RSCC? Yes	Date: 3/29/2013
Site Account Code: 2013T10P303DD210W2LA00				Site CERCLIS ID: WAD009248295	
Sampling Contact: Nicole Badon	Phone: 425-233-3404			Email: nicole.badon@ch2m.com	Company: CH2M HILL
Identify (name, email) who receives the data/ results:	Nicole Badon				

RSCC/QA USE ONLY:

Project Code: WEH-016O	Date ARF Received: 3/29/2013	Date QAPP Received: 3/29 (GSEP)
QA Chemist Reviewing QAPP: Don Matheny	MEL Request Sent: 4/3/2013	Completed Req. Rec.:
Notes:	CLP Analyses Submitted: NA	CLP Scheduled: NA
CLP Sample Numbers: NA	EPA Sample #s: 13184000-4099 for the week of May 5-11, 2013	

PART 1: CONTRACT LAB PROGRAM (CLP) - For use by Superfund and Brownfields projects ONLY

Organic Analyses : Identify the number of samples per analysis and matrix, along with TAT

SOM01.2 SOW	Trace Water by SIM	Trace Water	Low Water	Low Soil	Low Soil by SIM	Med Soil	Turnaround Time (TAT) (days) 21	Turnaround Time (TAT) (days) 7/14/PR*	JUSTIFICATION REQUIRED* for all TAT other than 21 days. Choose one: Choose a Justification.
VOA									*Quick TAT requests require SF Program Approval* Indicate VOA Sample type: ENCORES ☐ Pre-Weighed Vials (Closed system) ☐
SVOC		X							
Pesticides	X	X		X	X				
Aroclors	X	X		X	X				

Note: Consult the SOM01.2 Organic Target Compound Lists (TCL) for CRQLs and SIM compounds.

Inorganic Analyses: Identify the number of samples per analysis and matrix, along with TAT

ISM01.2 SOW	Water (Total)	Water (Dissolved)	Soil / Sediment	Other (specify)	Turnaround Time (days) 21	Turnaround Time (days) 7/14/PR*
Metals ICP-AES (TAL)						
Metals ICP-MS (TAL)						
Mercury						
Select a specific metal from the Target Analyte List or several metals.						
Add an analyte not listed on the Target Analyte List.						

Note: Consult the ISM01.2 Inorganic Target Analyte Lists (TAL) for CRQLs.
http://www.epa.gov/superfund/programs/clp/target.htm

Non-Routine Analytical Services (NRAS) Analyses – Paid for by REGION/Project

SOW	Soil	Water	Other (note)	Turnaround Time (TAT) - Days 35	Turnaround Time (TAT) - Days Other*
Dioxins/Furans – DLM02.2					

Modified Analyses (MA) Requests

Specify any special CLP analytical requirements for this project:

A modified analysis is required when you request the following options:
A) a target compound or analyte not listed
B) lower detection levels than those specified by the SOW
C) different matrices (fish, wipes, etc.)
The client must provide ***four*** weeks advance notice for new MA requests, and ***two*** weeks for existing MA requests.

The use of Forms II Lite or Scribe is mandatory for all CLP sampling activities. Starting in 1/11, clients can use SCRIBE w/F2Lite Traffic Report Functionality.

PART 2: EPA REGION 10 MANCHESTER ENVIRONMENTAL LABORATORY (MEL) – all other programs and analytical requests

All samples, no matter the program, are offered to MEL before CLP or subcontract lab scheduling according to the EPA FASTAC policy.*

Analysis	Water (Total)	Water (Dissolved)	Soil / Sediment	Tissue	Other matrix (identify)	**Choose Method** NOTE: If only select metals/compounds are needed for the project (vs. entire target list), identify them below this table in the space provided.
INORGANIC CHEMISTRY ANALYSES						
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
ORGANIC CHEMISTRY ANALYSES						
Pentachlorophenol	28					EPA 8041 (Pentachlorophenol)
BNAs (SVOC)	28					EPA 625/8270C (1,4-Dioxane)
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
MICROBIOLOGY ANALYSES						
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Choose an Analysis						Choose a Corresponding Method
Add-in additional non-routine analysis requests:						
PAHs	28					EPA SW-846 8270C (with SIM on non-detec
Petroleum hydrocarbo	28					NWTPH-Dx, NWTPH-Motor Oil

TURNAROUND TIME (TAT):	✔	**8 WEEKS***		**Other, identify**:**		**Prelims needed****

* Standard MEL TAT IS 8 WEEKS from receipt of last sample. This includes analysis and review/verification of results.

**If non-standard TAT or PRs are required, it is up to MEL if they can meet the TAT and accept the samples.

IDENTIFY SPECIAL ANALYTICAL REQUESTS AS APPLICABLE:

(This includes additional analytes, lower reporting limits, and different analytical methods.)

PAHs and Petroleum hydrocarbons as listed in Add-in section (analytical methods, as listed, were not in the drop down list)
We would like to conduct a groundwater sampling event at Wyckoff the week of May 6, 2013. There will be 28 sample sets collected (25 wells + 3 field duplicates) plus 2 MS/MSD (2 samples each) for PAH/PCP and SVOC, and 3 duplicates for TPH-Dx/Motor Oil. Our goal is to collect samples on Monday, May 6, 2013 through Thursday, May 9, with sample deliveries to the lab on Wed 5/8, Thurs 5/9, and Fri 5/10. We would like to send all samples to Manchester as usual and we would hand deliver the final samples to Manchester on either Thurs 5/9 or Fri 5/10.

IDENTIFY SELECT TARGET ANALYTE/COMPOUND LISTS AS APPLICABLE:

(This includes abbreviated metals and anion data needs, i.e. Pb+As only.)

PAHs:
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene

Appendix B

Field Records

"Rite in the Rain"®
ALL-WEATHER
FIELD
No. 351

Wyckoff / Eagle Harbor
Groundwater Sampling
Sept. 2009 —
Book 2 of

5/3/13

0705 Nicole Badon/SEA and Brittany Prentice/SEA on ferry to Bainbridge Island

0740 Arrive @ Bainbridge Island. Stop at grocery store to purchase supplies.

0815 Arrive at Wyckoff.

Health + Safety Moment: lifting techniques and Slip/trip/falls

Tasks: prepare for sampling event May 6-10, 2013

prep cargo van and sample bottles with labels and all sampling supplies

0830 Begin sampling prep

Groundwater Sampling 5/6/13

0630 Michelle Zaehring/SEA, Mark Endo/SEA, and Nicole Badon/SEA Meet in Seattle and carpool to ferry

0705 Meet Brittany Prentice/SEA on ferry

0710 Health and Safety Meeting

Task: Groundwater Sampling

Personnel: Nicole Badon/SEA
Mark Endo/SEA
Michelle Zaehring/SEA
Brittany Prentice/SEA
Janice Horton/SEA

0740 0804 Stop at grocery to purchase ice for packing Samples

0809 Arrive at Wyckoff sign in

0815 Janice Horton/SEA arrives at Wyckoff

0820 PACK ICE, BEGIN EQUIPMENT CALIBRATION

PID C102584

FRESH AIR = 0.0 PPM ISOBUTYLENE = 100.0 PPM

PID C102797

FRESH AIR = 0.0 PPM ISOBUTYLENE = 100.0 PPM

CAL GAS, LOT # 1059C10 EXP DATE = 06/2014

Nicole Badon 5/6/13

5/6/13

0910 Don PPE
0922 Mob to field site to begin Sampling
~~0950 Collect Samp~~
0940 Set up at CW02 and SE02 and begin ~~bler~~ purging
1050 Collect sample @ SE02 #13184000
1035 Collect sample @ CW02 #13184001
1210 Collect sample @ VG1L #13184004
1220 Collect sample @ PIL #13184002
1245 lunch break
1320 Sample teams return to field to sample wells
1455 Collect sample @ 02CDMW01 # 13184003
1450 Collect sample @ VG2L #13184007
1515 Collect field duplicate of VG2L, MW80 ~~1610 collect at~~ #13184008
1610 Collect sample @ CW09 #13184005
1630 Teams are finished sampling; finish up packing samples on ice
1700 finished up with sample storage secure site trailer for the evening
1710 Sign out, set security alarm and all leave site
1730 ferry to Seattle. End of day

Nicole Baden 5/6/13

5/7/13

0640 Nicole Baden/SEA head to Seattle ferry
0705 Meet Janice Horton/SEA, Brittany Prentice/SEA, and Mark Endo/SEA on 0705 ferry to Bainbridge Island
0715 Health and Safety meeting
0745 Arrive at Bainbridge Island; stop at store to purchase ice
0810 Arrive at Wyckoff. Don PPE and bag ice
0820 CALIBRATE EQUIPMENT
CAL GAS, ISOBUTYLENE Lot # 1059010 Exp. 06/2014
PID C102584
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100.0 PPM
PID C102747
FRESH AIR = 0.0 PPM ISOBUTYLENE = 99.8 PPM
0920 field teams head out to collect ground water samples
1020 Sample collected from CW15
1030 field duplicate MW80 collected from CW15
1025 Sample collected from CW05
1225 Sample collected from ~~99CDMW02~~ VG3L 5/7/13
1250 Sample collected from 99CDMW02

Nicole Baden 5/7/13

5/7/13

1500 Collect sample from P4L
1520 Collect Sample from P5L
1615 Collect Sample from VG4L
1640 Sample teams are finished collecting groundwater Samples
1645 packing final samples on ice for the day
1705 finished sampling activities for the day, secure site trailer
1710 AIP Off site
1730 Ferry to Seattle. End of day

Nicole Baden 5/7/13

5/8/13

0705 Ferry to Bainbridge Island
Personnel: Nicole Baden/SEA
Mark Endo/SEA
Janice Horton/SEA
Brittany Prentice/SEA
0710 Health and Safety meeting
be cautious of unleashed dogs while working outside of fenced site
0740 Stop at store to purchase ice
0808 Arrive at Wyckoff, sign in and bag ice for packing samples
0820 BEGIN FIELD EQUIPMENT CALIBRATION.
PID 101279?
FRESH AIR = 0.0 PPM ISOBUTYLENE = 99.9 PPM
PID 101284
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100.0 PPM
CAL. GAS, ISOBUTYLENE LOT # 1059010, EXP. 06/14
0915 Sample teams don PPE and head out to sample wells
1010 Samples collected from P2L
1040 Samples collected from P3L
1100 Samples collected from MW-10 Field Dup. of P3L
1135 Samples collected from 96COMW04
1230 Sample teams break for lunch

Nicole Baden 5/8/13

5/8/13

1340 Sample teams head back out to field
1438 Collect samples from CW12
1500 Collect samples from ~~1500~~ PLOL
1542 Collect samples from VGSL
1645 Samplers have finished sampling for the day. Packing samples on ice
1700 finished packing samples secure site for the evening
1715 Set security alarm, all off site
1730 Ferry to Seattle

Nicole Baden 5/8/13

5/8/13

0705 Ferry to Bainbridge Island
0710 Health and safety Meeting
Staff: Brittany Prentice/SEA
Nicole Baden/SEA
Mark Endo/SEA
Task: Groundwater Sampling
0740 Stop at Store to purchase ice for packing Samples
0815 Arrive at Wyckoff
0820 BEGIN PACKING ICE FOR SAMPLE STORAGE.
0830 BEGIN FIELD EQUIPMENT CALIBRATION.
CAL GAS LOT# 105410 EXP. 06/2014
PID 0102797
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100 PPM
PID 0102587
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100 PPM
0910 Decon Cargo Van to sample wells outside of exclusion zone. finished wells inside EZ on 5/8/13.
0920 Mark E. and Brittany P. head out to sample wells. Nicole B. repack 5/8/13 Samples on ice for delivery to lab

Nicole Baden 5/9/13

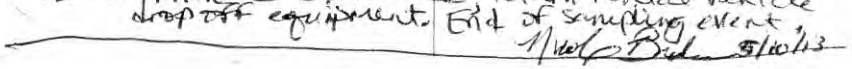
5/9/13

1050 Samples Collected from CW01
1055 Samples Collected from P203
1200 ~~AB~~ lunch break
1230 teams back out in field
1305 Samples Collected from P211
1315 Samples collected from P209
1440 Samples collected from MW21
1550 finished collecting samples. Deconing sample equipment and placing back into cases for shipment back to equipment warehouse
1650 finished deconing equipment
1710 Secure building alarm and all off site
1730 ferry to Seattle. End of day

5/10/13

5/10/13

0630 Brittany Prentice SEA picks up Nicole Badon/SEA in Seattle and head to ferry terminal
0705 Ferry to Bainbridge Island
0710 Health + Safety Meeting
Task: Sample event clean up. Ship back rental equipment, re-ice samples for delivery to lab, place supplies in storage
0740 Stop at store to purchase ice for repacking samples
0810 Arrive at Wyckoff
0815 Buy ice and re-pack 5/9/13 samples in cooler for lab delivery
0900 Inventory remaining supplies and pack up equipment for shipment back to Denver warehouse
1100 Place supplies in Conex and clean ~~out~~ up site trailer
1240 finished cleaning up supplies and trailer
1250 leave site
1310 Ferry to Seattle
1445 Stop @ FNW to pick up rental equip
1525 Arrive @ SEA office return rental vehicle drop off equipment. End of sampling event.



FIELD SAMPLING LOGBOOK

Wyckoff Eagle Harbor Superfund Site

Bainbridge Island, WA

Sampling Team Members

Janice Hanton

Brittany Prentice

Sampling Dates

5/6/2013 - 05/10/2013

Field Instruments Calibration Form

Wyckoff Superfund Site - Bainbridge Island, Washington

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	5103007	C101910	05/06/13	0840

Calibrated to Autocal Solution Manufacturer CHEM HILL Lot Number 10118

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = 3.99 Turbidity = 0.0 NTU Temperature = 20.92 °C

Conductivity = 4.50 mS/cm Dissolved Oxygen = 9.08 mg/L Salinity = 0.2 %

Comments: All OK.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	7063008	C101990	05/06/13	0950

Calibrated to Autocal Solution Manufacturer CHEM HILL Lot Number 10118

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = ~~3.99~~ 4.0 Turbidity = 0.0 NTU Temperature = 18.81 °C

Conductivity = 4.49 mS/cm Dissolved Oxygen = 9.87 mg/L Salinity = 0.23 %

Comments: All OK.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	5103007	C101910	05/07/13	0830

Calibrated to Autocal Solution Manufacturer CHEM HILL Lot Number 10118

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = 4.0 Turbidity = 0.0 NTU Temperature = 19.43 °C

Conductivity = 4.50 mS/cm Dissolved Oxygen = 9.11 mg/L Salinity = 0.2 %

Comments: All OK

Field Instruments Calibration Form

Wyckoff Superfund Site - Bainbridge Island, Washington

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	7063008 →	C101990 →		05/07/13	0835

Calibrated to Autocal Solution Manufacturer CH2M HILL Lot Number 1011E

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = 4.0 Turbidity = 0.0 NTU Temperature = 17.58 °C

Conductivity = 4.49 mS/cm Dissolved Oxygen = 9.92 mg/L Salinity = 0.23 ‰

Comments:

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality						

Calibrated to Autocal Solution Manufacturer _____ Lot Number _____

Autocal Solution pH = Turbidity = Conductivity =

Calibration Readings

pH = Turbidity = Temperature =

Conductivity = Dissolved Oxygen = Salinity =

Comments:

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality						

Calibrated to Autocal Solution Manufacturer _____ Lot Number _____

Autocal Solution pH = Turbidity = Conductivity =

Calibration Readings

pH = Turbidity = Temperature =

Conductivity = Dissolved Oxygen = Salinity =

Comments:

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW02
Sample ID	CW02-0513
EPA Sample Number	1318400 1
Date	5/6/2013
Field Team Initials	BP JH

Field Conditions: Mid 70s, sunny, clear

Purge Information

Well Diameter (in.)	4 in
Well Depth (ft.)	82.43'
Initial Depth to Water (ft.)	13.7'
Depth of Water Column	68.73
3 Casing Volumes	134.6 gal
1 Casing Volume	44.9 gal

Purge Method (circle): ~~Submersible Pump~~ BP / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # C-102376

Pump Indicator # C-102855

Start Time	10:00
End Time	11:15
Total Gallons Purged	~~not recorded~~ 9,375 mL

Sample Depth (ft. below TOC)	~75'
Well Screen Interval (ft below TOC)	69.43 to 79.43
Purge Rate	125 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH (+/-0.2)	Conductivity (+/-5%)	NTU (+/-10%)	DO (+/-0.2 mg/L)	Temp. (+/-1°C)	ORP (+/-20mV)	Salinity	Appearance
10:10	13.7'		7.08	2.69	284	2.45	13.60	174	0.13	brown, cloudy
10:13	13.7'		7.11	2.67	154	2.04	13.64	96	0.13	"
10:16	13.7'		7.13	2.67	92.5	1.95	13.55	78	0.13	slightly cloudy
10:19	13.7'		7.14	2.67	104	1.7	13.41	73	0.13	clear
10:22	13.7'		7.15	2.67	89	1.83	13.35	72	0.13	"
10:25	13.7'		7.16	2.67	64	1.77	13.46	72	0.13	"
10:28	13.6'		7.17	2.67	67.9	1.74	13.40	72	0.13	"
10:31	13.7'		7.18	2.67	60.3	1.72	13.59	72	0.13	"

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAHs/PCP	10:35	1L Amber	None	
DRO	10:35	1L Amber	None	
SVOCs	10:35	.5mL Amber	None	

End Time: 11:15

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-1L
Sample ID	VG1L-0513
EPA Sample Number	13184004
Date	5/6/2013
Field Team Initials	BP HI
Field Conditions	Warm 70's, clear, sunny

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	103.7' TOC
Initial Depth to Water (ft.)	12'
Depth of Water Column	91.7'
3 Casing Volumes	44.84 gal
1 Casing Volume	14.95 gal

Purge Method (circle): Submersible Pump other:
Bladder Pump
(Peristaltic Pump)

Water Level Indicator # C-10236
Pump Indicator # C-10285

Start Time	11.45
End Time	1227
Total Gallons Purged	12.6 liters

Sample Depth (ft. below TOC) ~~103.6~~ 96.6'
Well Screen Interval (ft below TOC) 91.6 to 101.6

Purge Rate	300 ml/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
11.52	11.8'		7.12	4.63	185	.07	13.79	142	.24	slightly cloudy
11.55	11.86'		7.10	4.609	119	.06	13.55	121	.24	clear, particles
11.58	11.86'		7.13	4.609	87.4	.00	13.58	101	.24	clear
12.01	11.86'		7.16	4.69	88.1	.00	13.55	93	.24	clear
12.04	11.86'		7.18	4.70	82.4	.00	13.54	89	.24	clear

Sample Information

Sample Method(s) (circle): Bladder pump (Peristaltic pump) Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	1210	1L Amber	None	
PRO	1210	1L Amber	None	
SVOCs	1210	.5L Amber	None	

End Time 1227

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-2L/MW-80	Date	5/6/2013
Sample ID	VG2L-0513/MW80-0513	Field Team Initials	BP JH
EPA Sample Number	13184007/13184008		
Field Conditions	Sunny, Clear Upper 70's		

Purge Information

Well Diameter (in.)	2"	Purge Method (circle):	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	129.8 (8/1/13)		
Initial Depth to Water (ft.)	17.01 (Not recorded before sampling)	Water Level Indicator #	C-101920
Depth of Water Column	112.79	Pump Indicator #	C-102885
3 Casing Volumes	55.15 gal	Start Time	14:18
1 Casing Volume	18.38 gal	End Time	16:30
		Total Gallons Purged	21.6 liters
Sample Depth (ft. below TOC)	123.0		
Well Screen Interval (ft below TOC)	117.8 to 127.8	Purge Rate	300 mL/min
		Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
14:22	17.01		6.94	28.8	22.5	2.55	15.01	-69	1.78	clear
14:25	16.98		6.91	29.1	15.9	0.00	14.90	-43	1.71	clear
14:28	16.92		6.95	29.1	23.7	0.00	14.60	-37	1.79	clear
14:31	16.92		6.98	29.0	34.3	0.00	14.49	-83	1.77	clear
14:34	16.83		6.99	29.0	67.3	0.00	14.2	-110	1.79	clear
14:37	16.82		6.99	28.9	59.1	0.00	14.19	-106	1.78	clear
14:40	16.81		7.00	28.8	32.6	0.00	14.41	-131	1.77	clear
14:43	16.74		7.01	28.9	31.2	0.00	14.28	-149	1.78	clear
14:46	16.73		7.02	28.8	33.5	0.00	14.27	-158	1.77	clear

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	14:50	1L Amber	NONE	
DRO	14:50	1L Amber	None	
SVOCs	14:50	5L Amber	None	
PAH/PCP	15:15	1L Amber	None	MW-80
DRO	15:15	1L Amber	None	MW80
SVOCs	15:15	5L Amber	None	MW80

End Time 16:30

Comments / Exceptions:

Collected MW80-0513 @ 1515

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW-05
Sample ID	CW05-0513
EPA Sample Number	13184011
Date	5/7/2013
Field Team Initials	BP JH
Field Conditions	Over-cast mid-60s

Purge Information

Well Diameter (in.)	4"
Well Depth (ft.)	108.8
Initial Depth to Water (ft.)	11.8
Depth of Water Column	97
3 Casing Volumes	190.0 gal
1 Casing Volume	63.34 gal
Sample Depth (ft. below TOC)	~97'
Well Screen Interval (ft below TOC)	91.52 to 101.52

Purge Method (circle): *Submersible Pump* *Bladder Pump* (Peristaltic Pump) *other:*

Water Level Indicator # C-10/920

Pump Indicator # C-102885

Start Time	10:07
End Time	10:50
Total Gallons Purged	10.75 Liters
Purge Rate	250 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
10:11	11.9		6.58	23.7	42.7	1.7	12.19	-168	1.43	clear
10:14	11.9		6.64	24.1	35.6	0.0	12.15	-206	1.45	clear
10:17	11.98		6.67	24.2	36.4	0.0	12.19	-222	1.45	clear
10:20	12.0'		6.7	24.2	39.3	0.0	12.26	-240	1.45	clear
10:23	12.0		6.71	24.2	40.4	0.0	12.25	-247	1.45	clear

Sample Information

Sample Method(s) (circle): Bladder pump (Peristaltic pump) Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCBs	10:25	1L Amber	None	
DRO	10:25	1L Amber	None	
SVOCs	10:25	.5L Amber	None	

End Time 10:50

Comments / Exceptions:

* LNAPL noted while getting well depth.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	~~B~~ P&L
Sample ID	P&L-0513
EPA Sample Number	13184012

Date: 5/7/2013
Field Team Initials: BP JH

Field Conditions: sunny mid 70s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	94'
Initial Depth to Water (ft.)	~~14.89~~ 12'
Depth of Water Column	82
3 Casing Volumes	40.1 gal
1 Casing Volume	13.4 gal

BP

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # 101920

Pump Indicator # C-102855

Start Time: 14:40

End Time: not recorded BP 8/1/13

Total Gallons Purged: —

Sample Depth (ft. below TOC)	~87
Well Screen Interval (ft below TOC)	81.9 to 91.9

Purge Rate: 500 mL/min

Controller Frequency: N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
14:42	12.15		7.5	55	193	.15	15.42	-43	3.6	clear
14:45	12.08		7.49	55.5	182	0.0	15.42	-45	3.7	clear
14:48	12.03		7.49	56	170	0.0	15.05	-48	3.7	clear
14:51	12.00		7.49	56	159	0.0	15.14	-48	3.7	clear
14:54	11.98		7.47	56	142	0.0	14.93	-47	3.7	clear

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH PCP	1500	1L Amber	none	
DRO	↓	↓	↓	
SVOC				

End Time: not recorded BP 8/1/13

Comments / Exceptions:

Tube stopped @ appx. 6' from mid screen. Could not deploy any further so well sampled at appx. 80.9 ft. below top of casing.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-3L
Sample ID	VG3L-0513
EPA Sample Number	13184013
Date	5/7/2013
Field Team Initials	BP JH
Field Conditions	sunny w/clouds upper 60's

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	101.8
Initial Depth to Water (ft.)	14.78
Depth of Water Column	87.02
3 Casing Volumes	~~42.55~~ 42.55 gal
1 Casing Volume	14.18 gal
Sample Depth (ft. below TOC)	~94
Well Screen Interval (ft below TOC)	88.2 to 98.2

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # 101920

Pump Indicator # C-102885

Start Time	12:05
End Time	13:00
Total Gallons Purged	16.5 liters
Purge Rate	300 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
12:08	14.92		8.31	.572	79	8.41	12.87	35	0.02	clear
12:11	15.00		8.17	.500	39.6	5.2	12.74	35	0.02	clear
12:14	14.98		8.0	.486	34.4	5.24	12.68	39	0.02	clear
12:17	14.97		7.95	.486	31.9	5.78	12.68	41	0.02	clear
12:20	14.91		7.93	.482	27.9	5.64	12.67	44	0.02	clear
12:23	14.91		7.91	.473	25.6	5.73	12.69	41	0.02	clear

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCBs	12:25	1L Amber	None	
DRO	12:25	1L Amber	None	
SVOCs	12:25	.5L Amber	None	

End Time 13:00

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG4L	Date	5/7/2013
Sample ID	VG4L-0513	Field Team Initials	BP JH
EPA Sample Number	13184021		

Field Conditions: sunny mid-70s

Purge Information

Well Diameter (in.)	2"	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	90.9		Bladder Pump
Initial Depth to Water (ft.)	8.36	Water Level Indicator #	C-101920 (Peristaltic Pump)
Depth of Water Column	82.54	Pump Indicator #	C-102485
3 Casing Volumes	40.36	Start Time	~~16:37~~ 16:00
1 Casing Volume	13.45	End Time	1635
		Total Gallons Purged	14 liters
Sample Depth (ft. below TOC)	80		
Well Screen Interval (ft below TOC)	75 to 85	Purge Rate	~~500~~ mL/min
		Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
~~16:00~~ 16:00 BP	8.37		8.93	.999	139	6.100	15.55	63	0.1	clear
16:03	8.37		9.04	.999	127	6.45	14.62	62	0.1	clear
16:06	~~8.30~~ 8.36 BP		9.11	.900	101	6.4	14.17	65	0.0	clear
16:09	8.33		9.12	.949	85	5.99	14.01	68	0.0	clear
16:12	8.31 BP		9.23	.906	78.3	5.90	13.92	68	0.0	clear
16:15	~~8.30~~ 8.30		9.31	.883	71.1	5.91	13.86	68	0.0	clear
16:18	8.31		9.45	.802	70.3	5.55	13.85	66	0.0	clear

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCPs	16:15	1L Amber	None	
DRO	16:15	1L Amber	None	
SVOCs	16:15	.5L Amber	None	

End Time: 16:35

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-2L
Sample ID	P2L-0513
EPA Sample Number	13184006
Date	5/8/2013
Field Team Initials	BP JH
Field Conditions	Overcast mid 60s

Purge Information

BP

Well Diameter (in.)	~~4"~~ 2"
Well Depth (ft.)	117.3
Initial Depth to Water (ft.)	14.41
Depth of Water Column	102.89
3 Casing Volumes	50.31 gal
1 Casing Volume	16.77 gal

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # C-102376

Pump Indicator # C-102509

Start Time	0950
End Time	1030
Total Gallons Purged	8 liters

Sample Depth (ft. below TOC)	110
Well Screen Interval (ft below TOC)	105 to 115
Purge Rate	200 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
0951	14.45		6.92	42.5	62.6	2.75	13.32	70	2.7	clear
0953	14.45		7.07	49.4	49.1	.41	13.07	20	2.8	clear
0956	14.5		7.11	46.4	30.6	0.0	12.97	5	3.0	clear
0959	14.6		7.12	46.5	28.0	0.0	12.96	-2	3.0	clear
1002	14.62		7.12	46.4	23.0	0.0	12.92	-11	3.0	clear
1005	14.65		7.13	46.8	21.4	0.0	12.89	-15	3.0	clear
1008	14.67		7.14	47.0	25.2	0.0	12.87	-18	3.0	clear

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCB	1010	1L Amber	None	
DRO	1010	1L Amber	None	
SVOCs	1010	.5L Amber	None	

End Time 1030

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	99CDMW01A
Sample ID	99CDMW01A-0513
EPA Sample Number	13184017
Date	5/8/2013
Field Team Initials	BE JH
Field Conditions	Overcast, Upper 60s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	77.6
Initial Depth to Water (ft.)	11.21
Depth of Water Column	66.39
3 Casing Volumes	32.46 gal
1 Casing Volume	10.82 gal

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # C-102376

Pump Indicator # C-102504

Start Time	1058
End Time	1155
Total Gallons Purged	17.1 liters

Sample Depth (ft. below TOC)	73
Well Screen Interval (ft below TOC)	68 to 78
Purge Rate	300 mL/Min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1100	11.28		8.32	0.901	-5.0*	2.32	13.93	-37	0	rusty, cloudy
1115	11.35		7.85	0.922	-5.0	1.14	14.12	-104	0	Cloudy brown
1118	11.35		7.87	0.928	-5.0	0.76	14.03	-94	0	"
1121	11.37		7.85	0.931	873	0.67	13.96	-91	0	"
1124	11.37		7.84	0.931	567	0.72	13.93	-95	0	"
1127	11.37		7.83	0.931	493	1.05	13.95	-84	0	"
1130	11.37		7.83	0.932	410	1.06	13.94	-88	0	"
1133	11.4		7.84	0.933	397	1.13	13.95	-86	0	"

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	11:35	1L Amber	None	
DRO	↓	↓	↓	
SVOC				

End Time: 11:55

Comments / Exceptions:

*1100 - turbidity reading -5.0 ; flushing. Appearance rusty color and cloudy

1103- Pump stopped. Thick rusty color coming through tubing and air coming when pump could not pull up the well (pump running but no flow.) Tubing was lifted 3ft up screened interval.

1110 - restarted pump

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW12
Sample ID	CW12-0513
EPA Sample Number	13184018
Date	5/8/2013
Field Team Initials	BP JH
Field Conditions	Overcast mid 60s

Purge Information

Well Diameter (in.)	4"
Well Depth (ft.)	70.2
Initial Depth to Water (ft.)	11.5
Depth of Water Column	58.7
3 Casing Volumes	114.99 gal
1 Casing Volume	38.33 gal

Purge Method (circle): Submersible Pump Bladder Pump Peristaltic Pump other:

Water Level Indicator # C-102376

Pump Indicator # C-102509

Start Time	14:17
End Time	1503
Total Gallons Purged	18.4 liters

Sample Depth (ft. below TOC)	62.4
Well Screen Interval (ft below TOC)	57.4 to 67.4
Purge Rate	400 ML/Min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
14:20	11.52		7.79	.967	104	2.32	14.67	80	0.0	clear
14:23	11.6		7.77	.968	63.2	2.24	14.43	75	0.0	clear
14:27	11.6		7.76	.965	69.2	2.15	14.25	67	0.0	clear
14:30	11.59		7.75	.965	70.5	2.24	14.17	61	0.0	clear
14:33	11.57		7.73	.965	75.2	2.25	14.17	58	0.0	clear
1436	11.53		7.72	.963	84.2	2.19	14.22	57	0.0	clear

Sample Information

Sample Method(s) (circle): Bladder pump Peristaltic pump Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	14:38	1L Amber	None	
DRO	14:38	1L Amber	None	
SVOCs	14:38	.5L Amber	None	

End Time 15:03

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG5L
Sample ID	VG5L-0513
EPA Sample Number	13184019
Date	5/8/2013
Field Team Initials	BP JH
Field Conditions	sunny upper 60s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	74.12'
Initial Depth to Water (ft.)	8.42'
Depth of Water Column	65.7
3 Casing Volumes	32.13 gal
1 Casing Volume	10.71 gal
Sample Depth (ft. below TOC)	68
Well Screen Interval (ft below TOC)	63.4 to 73.4

Purge Method (circle): *Submersible Pump* *other:* *Bladder Pump* *Peristaltic Pump*

Water Level Indicator # 102376

Pump Indicator # C-102589

Start Time	15:23
End Time	1605
Total Gallons Purged	16.8 liters
Purge Rate	400 mL/min
Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
~~1525~~	8.52		9.15	0.958	106	1.26	15.17	101	0.0	clear
1528	8.64		9.23	0.956	89.5	0.33	14.72	94	0.0	clear
1531	8.62		9.22	0.956	65.0	0.37	14.69	92	0.0	clear
1534	8.62		9.12	0.958	57.0	0.70	14.45	94	0.0	clear
1537	8.57		9.03	0.957	38.5	0.58	14.52	95	0.0	clear
1540	8.54		8.92	0.956	39.4	1.01	14.53	97	0.0	clear

Sample Information

Sample Method(s) (circle): Bladder pump *Peristaltic pump* Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	1542	1L Amber	None	
DRO	1542	1L Amber	None	
SVOCs	1542	.5L Amber	None	

End Time 1605

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P203
Sample ID	P203-0513
EPA Sample Number	13184024
Date	5/9/2013
Field Team Initials	BF
Field Conditions	Overcast mid 60s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	34.64' *
Initial Depth to Water (ft.)	12.26'
Depth of Water Column	22.38
3 Casing Volumes	10.94 gal
1 Casing Volume	3.65 gal

Purge Method (circle): Submersible Pump / Bladder Pump / (Peristaltic Pump) / other:

Water Level Indicator # C-101920

Pump Indicator # C-102509

Start Time	1050
End Time	1145
Total Gallons Purged	20.62 liters

Sample Depth (ft. below TOC)	29.2
Well Screen Interval (ft below TOC)	24.2 to 34.2
Purge Rate	285 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
10:33	12.41		7.43	0.900	123	0.72	13.06	41	0.1	brown, cloudy
10:36	12.6		7.42	0.999	123	0.15	12.87	9	0.1	Cloudy
10:39	12.62		7.48	0.999	106	0.0	12.77	-17	0.0	Cloudy
10:42	12.62		7.38	0.999	88.2	0.0	12.73	-31	0.0	Cloudy
10:45	12.64		7.44	0.999	66.4	0.0	12.68	-38	0.0	Cloudy
10:48	12.65		7.43	0.999	55.9	0.0	12.64	-42	0.0	Cloudy
10:51	12.65		7.49	0.999	51.2	0.0	12.65	-43	0.1	slightly cloudy
10:54	12.65		7.42	0.999	47.6	0.0	12.59	-57	0.1	slightly cloudy

Sample Information

Sample Method(s) (circle): Bladder pump / (Peristaltic pump) / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	10:55	1L Amber	None	
PRO	10:55	1L Amber	None	
SVOCs	10:55	5L Amber	None	

End Time 11:45

Comments / Exceptions:

* met resistance @ 34.64'

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P2-11
Sample ID	P211-0513
EPA Sample Number	13184026
Date	5/14/2013
Field Team Initials	BP
Field Conditions	Overcast, mid 60s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	30.3'
Initial Depth to Water (ft.)	7.32
Depth of Water Column	22.98
3 Casing Volumes	11.24 gal
1 Casing Volume	3.75 gal

Purge Method (circle): Submersible Pump / Bladder Pump / (Peristaltic Pump) / other:

Water Level Indicator # C-102376

Pump Indicator # C-102509

Start Time	12:42
End Time	13:40
Total Gallons Purged	14.5 liters

Sample Depth (ft. below TOC)	22.7		
Well Screen Interval (ft below TOC)	17.7	to	27.7

Purge Rate	250 ML/Min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
12:45	7.35		6.80	.636	170	0.30	10.49	-6	0.0	clear w/ parti
12:48	7.36		6.76	.630	155	0.00	10.76	-7	0.0	"
12:51	7.36		6.73	.623	125	0.00	10.67	-8	0.0	"
12:54	7.36		6.66	.615	132	0.39	10.63	-8	0.0	"
12:57	7.36		6.62	.595	127	0.00	10.48	-8	0.0	"
13:00	7.36		6.64	.588	117	0.00	10.41	-7	0.0	"
13:03	7.36		6.64	.584	118	0.00	10.41	-6	0.0	"

Sample Information

Sample Method(s) (circle): Bladder pump / (Peristaltic pump) / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
PAH/PCP	13:05	1L Amber	None	
DRO	13:05	1L Amber	None	
SVOCs	13:05	.5L Amber	None	

End Time 13:40

Comments / Exceptions:

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in **BOLD**
Check for floaters and sinkers and enter observations under comments section.

FIELD SAMPLING LOGBOOK

Wyckoff Eagle Harbor Superfund Site

Bainbridge Island, WA

Sampling Team Members

MARK ENDO

MICHELLE ZAEHRING

NICOLE BADON

Sampling Dates

05/06/2013 - 05/10/2013

Field Instruments Calibration Form

Wyckoff Superfund Site - Bainbridge Island, Washington

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	906610	C102389	05/08/13	0833

Calibrated to Autocal Solution — Manufacturer: CH2M HILL — Lot Number: 10118

Autocal Solution pH = 4.0 — Turbidity = 0.0 NTU — Conductivity = 4.49 ms/cm

Calibration Readings

pH = 4.0 — Turbidity = 0.0 NTU — Temperature = 17.55 °C

Conductivity = 3.82 ms/cm — Dissolved Oxygen = 9.95 mg/L — Salinity = 0.23 %

Comments: CONDUCTIVITY WILL NOT CALIBRATE TO CORRECT STANDARD.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22 XD	510 3007	C101910	05/08/13	0842

Calibrated to Autocal Solution — Manufacturer: CH2M HILL — Lot Number: 10118

Autocal Solution pH = 4.0 — Turbidity = 0.0 NTU — Conductivity = 4.49 ms/cm

Calibration Readings

pH = 4.0 — Turbidity = 0.0 NTU — Temperature = 20.09 °C

Conductivity = 4.50 ms/cm — Dissolved Oxygen = 8.98 mg/L — Salinity = 0.2 %

Comments: ALL OK.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	706 3008	C101990	05/08/13	0848

Calibrated to Autocal Solution — Manufacturer: CH2M HILL — Lot Number: 10118

Autocal Solution pH = 4.0 — Turbidity = 0.0 NTU — Conductivity = 4.49 ms/cm

Calibration Readings

pH = 4.0 — Turbidity = 3.6 NTU (1ST CALIBRATION) 0.6-1.3 NTU (2ND CALIBRATION) — Temperature = 18.88 °C

Conductivity = 4.49 ms/cm — Dissolved Oxygen = 9.50 mg/L — Salinity = 0.23 %

Comments: TURBIDITY READING OFF

Field Instruments Calibration Form

Wyckoff Superfund Site - Bainbridge Island, Washington

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22XD	5103007	C101910	05/09/13	0830

Calibrated to Autocal Solution Manufacturer CH2M HILL Lot Number 10118

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = 3.99 Turbidity = 1ST CAL 2.4 - 1.3 (READING JUMPING) 2ND CAL: 0.6 NTU Temperature = 20.24 °C

Conductivity = 4.51 mS/cm Dissolved Oxygen = 9.04 mg/L Salinity = 0.2 %

Comments: TURBIDITY TOOK TWO CALIBRATIONS.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	HORIBA	U-22	7063008	C101990	05/09/13	0837

Calibrated to Autocal Solution Manufacturer CH2M HILL Lot Number 10118

Autocal Solution pH = 4.0 Turbidity = 0.0 NTU Conductivity = 4.49 mS/cm

Calibration Readings

pH = 3.99 Turbidity = 0.1 - 0.7 NTU READING JUMPING Temperature = 17.50 °C

Conductivity = 4.48 mS/cm Dissolved Oxygen = 10.11 mg/L Salinity = 0.23 %

Comments: TURBIDITY OUT OF CALIBRATION.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality						

Calibrated to Autocal Solution Manufacturer _____ Lot Number _____

Autocal Solution pH = Turbidity = Conductivity =

Calibration Readings

pH = Turbidity = Temperature =

Conductivity = Dissolved Oxygen = Salinity =

Comments:

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	SE-02
Sample ID	13184000
EPA Sample Number	SE02-0513
Date	5-6-2013
Field Team Initials	ME, MZ
Field Conditions	Sunny, 67, clear

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	52.00
Initial Depth to Water (ft.)	13.56
Depth of Water Column	38.44
3 Casing Volumes (NB)	~~115.32~~ 18.30 gal
1 Casing Volume (NB)	~~38.44~~ 6.27 gal
Sample Depth (ft. below TOC)	45
Well Screen Interval (ft below TOC)	40 to 50

Purge Method (circle): Submersible Pump / Bladder Pump / (Peristaltic Pump) / other:

Water Level Indicator # C-101920

Pump Indicator # C-102509

Start Time	10:05
End Time	10:45
Total Gallons Purged	6.4 liters
Purge Rate	160 mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH (+/- 0.2)	Conductivity (+/- 5%)	NTU (+/- 10%)	DO mg/L (+/- 0.2)	Temp. (+/- 1°C)	ORP (+/- 20 mV)	Salinity	Appearance	Purge Rate mL/m
10.08	13.74		6.99	0.959	87.1	8.74	15	227	0.0	C.C.	160
10:11	13.74		7.23	0.919	91.7	6.12	13.90	225	0.0	C.C /odorless	150
10:14	13.73		~~7.23~~ 7.23	0.895	80.4	5.34	13.71	225	0.0		
10:17	13.73		7.23	0.889	69.1	5.74	13.64	225	0.0		
10.20	13.73		7.26	0.884	58.4	5.59	13.63	228	0.0	CC	
10.24	13.72		7.29	0.878	48.9	5.42	13.51	231	0.0		
10:27	13.72		7.31	0.880	42.8	5.09	13.49	232	0.0		
10:31			7.37	0.883	33.3	4.70	13.53	234	0.0	C.C.	160
10:38	13.65		7.36	0.880	21.7	4.62	13.82	236	0.0		
10.43	13.62		7.33	0.881	19.8	4.69	13.85	239	0.0		
	ALL PARAMETERS STABLE BESIDES TURBIDITY (CONSTANT CHANGE). PROCEED TO SAMPLE										

Sample Information

Sample Method(s) (circle): Bladder pump / (Peristaltic pump) / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO + motor oil	10:50	1L Amber x2	NP	
SVOC	"	0.5L Amber x2	"	
PAH/PCP SIM	"	1L Amber x2	"	

End Time 1118

Comments / Exceptions:

PID (HS) 0.0 (BZ) 0.0

TOTAL WELL DEPTH (ft) = 51.15

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-1L	Date	~~5~~ 5-6-2013
Sample ID	P1L-0513	Field Team Initials	MZ ME
EPA Sample Number	13184002		

Field Conditions: 70's, clear, sunny, WIND 0 - 3mph

Purge Information

Well Diameter (in.)	2"	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	100		Bladder Pump
Initial Depth to Water (ft.)	13.42	Water Level Indicator #	C-101920 — Peristaltic Pump
Depth of Water Column	86.58	Pump Indicator #	C-102509
3 Casing Volumes	42.34 gal	Start Time	11:45
1 Casing Volume	14.11 gal	End Time	1215
		Total Gallons Purged	5.25 liters
Sample Depth (ft. below TOC)	93	Purge Rate	175 mL/min
Well Screen Interval (ft below TOC)	88 to 98	Controller Frequency	N/A

Time	DTW	Gallons Purged	pH (0.2)	Conductivity (5%)	NTU (10%)	DO (0.2)	Temp. (1°C)	ORP (20mV)	Salinity	Appearance
175 mL										
1149	13.26		6.99	45.0	184	5.12	14.88	-65	3.0	clear, slight sulfur odor
1152	13.30		6.92	48.8	175	0.23	14.51	-96	3.2	"
1155	13.23		6.90	48.6	167	*0.00	14.48	-108	3.1	"
1159	13.11		6.89	48.1	158	0.00	14.59	-117	2.9	"
1203	13.09		6.87	46.8	140	0.00	14.92	-127	3.0	"
1207	13.02		6.87	46.3	136	0.00	14.26	-135	3.0	"
1210	13.00		6.87	45.7	131	0.00	14.38	-141	2.9	"
1213	12.91		6.86	44.6	136	0.00	14.12	-148	2.9	"
		All parameters within limits. Proceed to sample.								

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO NW	12:20	1L Amber x2		
SVOC	↓	0.5L Amber x2		
PAH/PCP - Sim	↓	1L Amber x2		
End Time	1252			

Comments / Exceptions:

@ 1150 PURGE RATE = 175 mL/min
PID IN HS = 0.0 PPM PID IN BZ = 0.0 PPM
@ 1200 PURGE RATE = 140 mL/min
@ 1205 REPLACE BATTERY ON PERI-PUMP. READJUST PURGE RATE
@ 1211 PURGE RATE = 175 mL/min

* DO SENSOR MAY BE MALFUNCTIONING.

LAB DUPLICATE SAMPLED @ 1220

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CD-MW01	Date	5-6-2013
Sample ID	02CDMW01-0513	Field Team Initials	ME MZ
EPA Sample Number	13184003		

Field Conditions: sunny, 70's, clear

Purge Information

Well Diameter (in.)	2"	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	65		Bladder Pump
Initial Depth to Water (ft.)	8.88	Water Level Indicator # C-101920	(Peristaltic Pump)
Depth of Water Column	56.12	Pump Indicator # C-102509	
3 Casing Volumes	27.44 gal	Start Time	1407
1 Casing Volume	9.15 gal	End Time	1449
		Total Gallons Purged	~10 liters
Sample Depth (ft. below TOC)	60	Purge Rate	variable, see comments
Well Screen Interval (ft below TOC)	55 to 65	Controller Frequency	N/A

Time	DTW	Gallons Purged	pH (0.2)	Conductivity (5%)	NTU (10%)	DO (0.2)	Temp. (1°C)	ORP (20mV)	Salinity	Appearance
1410	8.34		9.43	0.999	158	1.25	15.49	101	0.0	purchased
1413	8.78		9.45	0.999	141	0.40	15.06	58	0.0	
1416	8.72		9.31	0.999	140	0.39	15.07	70	0.0	cloudy
1421	8.65		9.29	0.999	190	0.35	14.93	57	0.0	
1424	8.60		9.24	0.990	170	0.35	15.13	44	0.0	clear
1428	8.55		9.17	0.975	149	0.53	15.13	45	0.0	clear
1431	8.56		9.16	0.975	138	0.61	15.03	48	0.0	
1434	8.54		9.07	0.968	130	0.77	14.92	54	0.0	clear
1438	8.48		9.02	0.947	102	0.88	15.27	58	0.0	"
1442	8.45		9.00	0.949	93.5	0.92	15.01	63	0.0	"
1445	8.40		8.98	0.945	83.3	1.06	15.08	65	0.0	"
	35 MINUTES OF STABILIZATION TIME, DO & TURB CONSTANT CHANGE. PROCEED TO SAMPLE.									

Sample Information

Sample Method(s) (circle): Bladder pump (Peristaltic pump) Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO NO	1455	1 LAmber x 2	None	
PAH/PCP-SIM	↓	↓		
SVOC	↓	0.5 L Amber x 2	↓	

End Time: 1508

Comments / Exceptions:

0.0 PID (BZ + HS)
@ 1412 rate = 230 mL/min
@ 1418 rate = 225 mL/min
@ 1427 rate = 240 mL/min
@ 1430 rate = 230 mL/min
@ 1437 rate = 245 mL/min

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW-09
Sample ID	CW09-0513
EPA Sample Number	13184005
Date	5/06/2013
Field Team Initials	ME / MZ
Field Conditions	SUNNY, MID 70'S °F

Purge Information

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Well Diameter (in.)	4
Well Depth (ft.)	110.38
Initial Depth to Water (ft.)	8.03
Depth of Water Column	102.35
3 Casing Volumes	200.5 gal
1 Casing Volume	66.8 gal
Water Level Indicator #	C10920
Pump Indicator #	C102509
Start Time	~~1550~~ 1550
End Time	1610
Total Gallons Purged	5.2 liters
Sample Depth (ft. below TOC)	102.38
Well Screen Interval (ft below TOC)	97.38 to 107.38
Purge Rate	260 ML/MIN
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	mS/cm Conductivity	NTU	mg/L DO	°C Temp.	mV ORP	% Salinity	Appearance
1552	8.02		7.37	45.5	167.0	4.77	15.84	-7.0	3.2	CLEAR / NO ODOR
1555	8.05		7.32	49.0	169.0	0.54	14.89	-25.0	3.2	"
1558	8.04		7.32	49.2	166.0	0.22	14.92	-34.0	3.2	"
1601	8.02		7.32	49.6	160.0	*0.00	14.62	-39.0	3.2	"
1604	8.02		7.32	49.7	150.0	0.00	14.67	-44.0	3.2	"
1607	8.02		7.32	49.8	146.0	0.00	14.51	-46	3.2	"
1610	8.03		7.32	49.9	144.4	0.00	14.31	-48	3.2	"

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH - DRO MO	16:10	1L amber	none	
SVOC	↓	↓	↓	
PAH / PCP - SIM				

End Time: 1630

Comments / Exceptions:

@ 1553 PURGE RATE = 260 ML/MIN
@ 1601 PURGE RATE = 260 ML/MIN
@ 1608 PURGE RATE = 290 ML/MIN

PID IN HS = 0.0 PPM PID IN BZ = 0.0 PPM

* DO SENSOR MAY BE MALFUNCTIONING.

ACTUAL TOTAL WELL DEPTH = 103.63' (HIT RESISTANCE). PRODUCT IN WELL UPON RETRIEVAL.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW15	Date	05/07/13
Sample ID	CW15-0513, MW50-0513	Field Team Initials	ME
EPA Sample Number	13184009, 13184010		
Field Conditions	MOSTLY CLOUDY, LOW 60'S °F		

Purge Information

Well Diameter (in.)	4	Purge Method (circle):	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	100.6		
Initial Depth to Water (ft.)	9.80	Water Level Indicator #	CI02376
Depth of Water Column	90.8	Pump Indicator #	CI02509
3 Casing Volumes	177.9 gal	Start Time	0955
1 Casing Volume	59.3 gal	End Time	1019
		Total Gallons Purged	~ 4.38 liters
Sample Depth (ft. below TOC)	92.60	Purge Rate	variable
Well Screen Interval (ft below TOC)	87.6 to 97.6	Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity ms/cm	NTU	DO mg/L	Temp. °C	ORP mV	Salinity %	Appearance
0956	9.92		6.89	36.8	48.9	5.56	13.93	-203	2.4	CC, slight cox
0959	9.93		7.06	41.3	45.1	0.31	13.43	-270	2.6	"
1002	9.95		7.08	41.5	42.4	0.13	13.39	-282	2.7	"
1005	9.97		7.09	42.2	38.4	*0.00	13.34	-291	2.7	"
1008	9.99		7.09	42.5	55.7	0.00	13.33	-295	2.7	"
1011	10.01		7.10	42.8	51.1	0.00	13.34	-299	2.7	"
1014	10.02		7.09	43.2	49.7	0.00	13.31	-301	2.8	"
1017	10.05		7.10	43.3	48.2	0.00	13.37	-302	2.8	"
		SAMPLE PARAMETERS STABLE, PROCEED TO SAMPLE								

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO + MO	1020	1L AMBER	-	
SVOC	↓	500mL AMBER	-	
PAH/PCP-SIM	↓	1L AMBER	-	
End Time	1122			

Comments / Exceptions:

@ 0950 PID IN MS = 0.0 PPM, PID IN BZ = 0.0 PPM
@ 0958 PURGE RATE = 175 mL/min
@ 1007 PURGE RATE = 190 mL/min

* DO SENSOR MAY BE MALFUNCTIONING.

CW15 MS/MSD SAMPLED @ 1020
CW15 FD SAMPLED @ 1030 (MW50-0513)

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CDMW02
Sample ID	99CDMW02-0513
EPA Sample Number	13184014
Date	05/07/2013
Field Team Initials	ME

Field Conditions: PARTLY CLOUDY, UPPER 60'S °F

Purge Information

Well Diameter (in.)	2
Well Depth (ft.)	84.5
Initial Depth to Water (ft.)	9.52
Depth of Water Column	74.98
3 Casing Volumes	36.07 gal
1 Casing Volume	12.22 gal

Purge Method (circle): Submersible Pump / Bladder Pump / (Peristaltic Pump) / other:

Water Level Indicator # C102376

Pump Indicator # C102509

Start Time	1202
End Time	1245
Total Gallons Purged	~7.74 liters

Sample Depth (ft. below TOC)	74.4
Well Screen Interval (ft below TOC)	74.4 to 84.4
Purge Rate	variable mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	* NTU	DO (mg/L)	Temp. (°C)	ORP	Salinity	Appearance
1207	9.46		8.48	0.997	762.0	4.93	15.51	-20	0.0	
1210	9.45		8.49	0.925	452.0	3.09	14.79	-26	0.0	SLIGHTLY ORANGE CLOUDY, WI
1214	~~8.43~~ 9.43		8.43	0.906	340.0	2.68	14.53	-51	0.0	PARTICULATES
1217	9.40		8.38	0.898	343.0	2.60	14.39	-55	0.0	"
1220	9.40		8.31	0.887	369.0	2.49	14.27	-64	0.0	"
1223	9.35		8.22	0.876	349.0	2.45	14.27	-65	0.0	"
1228	9.30		8.13	0.868	303.0	2.65	14.29	-55	0.0	"
1232	9.28		8.06	0.866	282.0	2.88	14.26	-41	0.0	CLOUDY ORANGE SMALL PARTICLES
1235	9.25		8.09	0.866	217.0	3.14	14.28	-26	0.0	"
1238	9.25		8.07	0.866	190.0	3.46	14.25	-14	0.0	"
1241	9.24		8.07	0.864	191.0	3.59	14.26	-9	0.0	"
1244	9.21		8.09	0.864	179.0	3.63	14.24	-2	0.0	"

Sample Information

Sample Method(s) (circle): Bladder pump (Peristaltic pump) Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH - DRO + MO	12:50	1L AMBER	-	
SVOC	↓	500mL AMBER	-	
PAH / PCB - SIM		1L AMBER	-	

End Time: 1310

Comments / Exceptions:

@ 1200 PID IN HS = 0.0 PPM, PID IN BZ = 0.0 PPM

@ 1210 PURGE RATE = 180 mL/min

@ 1232 PURGE RATE = 210 mL/min

* TURBIDITY READING JUMPING.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-5L
Sample ID	PSL-0513
EPA Sample Number	13184020
Date	05/07/2013
Field Team Initials	MK
Field Conditions	SUNNY, HIGH 60'S °F

Purge Information

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # C102376

Pump Indicator # C102509

Well Diameter (in.)	2
Well Depth (ft.)	82
Initial Depth to Water (ft.)	9.86
Depth of Water Column	72.14
3 Casing Volumes	35.28
1 Casing Volume	11.76

Start Time	1453
End Time	1518
Total Gallons Purged	~4.2 liters

Sample Depth (ft. below TOC): ~~79.48~~ 75.0

Well Screen Interval (ft below TOC): ~~74.48~~ 70.0 to ~~84.54~~ 80.0

Purge Rate: Variable mL/min

Controller Frequency: N/A

Time	DTW	Gallons Purged	pH	Conductivity (ms/cm)	NTU	DO (mg/L)	Temp. (°C)	ORP (mV)	Salinity (%)	Appearance
1455	9.73		7.68	0.351	54.0	10.33	13.40	57	0.01	CC, NO ODOR
1500	9.70		7.55	0.336	52.7	7.45	13.12	45	0.01	"
1503	9.65		7.48	0.333	36.2	7.27	13.09	47	0.01	"
1506	9.62		7.45	0.333	27.5	7.18	13.04	50	0.01	"
1510	9.58		7.42	0.330	24.2	7.23	12.98	53	0.01	"
1513	9.55		7.41	0.328	20.4	7.22	12.88	55	0.01	"
1517	9.50		7.38	0.329	19.0	7.18	12.79	58	0.01	"
		ALL PARAMETERS STABLE, BESIDES TURBIDITY, HIGH FLOW GIVES FULL PURGE								
		FROZEN TO SAMPLE.								

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO +MO	1520	1L AMBER	—	
SVOC	↓	500mL AMBER	—	
PAH/PCP-SIM		1L AMBER	—	

End Time: 1548

Comments / Exceptions:

(c) 1445 PID IN HS = 0.0 PPM, IN BZ = 0.0 PPM

(c) 1500 PURGE RATE = 200 mL/min

(c) 1508 PURGE RATE = 200 mL/min

(c) 1516 PURGE RATE = 250 mL/min

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

Stablization Parameters are shown in BOLD

Check for floaters and sinkers and enter observations under comments section.

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID: P-3L
Sample ID: 13184015, 13184016
EPA Sample Number: P3L-0513, MW70-0513
Date: 05/08/2013
Field Team Initials: MK
Field Conditions: CLOUDY, LOW 60's °F

Purge Information

Well Diameter (in.): 2
Well Depth (ft.): ~~126.0~~ 125.6' (MS)
Initial Depth to Water (ft.): 17.72
Depth of Water Column: 108.28
3 Casing Volumes: 52.95 gal
1 Casing Volume: 17.65 gal
Water Level Indicator #: C101920
Pump Indicator #: C102885
Purge Method (circle): Submersible Pump / Bladder Pump / (Peristaltic Pump) / other:
Start Time: 1019
End Time: 1039
Total Gallons Purged: 1.57 liters
Sample Depth (ft. below TOC): 118.6
Well Screen Interval (ft below TOC): 113.6 to 123.6
Purge Rate: variable mL/min
Controller Frequency: N/A

Time	DTW	Gallons Purged	pH	Conductivity mS/cm	NTU	DO mg/L	Temp.	ORP	Salinity %	Appearance
1022	17.95		6.73	28.6	19.7	3.02	11.83	-194	1.74	—
1026	17.97		6.79	28.7	18.7	*0.00	11.83	-234	1.76	CLEAR, SLIGHT SWEET ODOR, BLK PARTICULATES.
1029	17.99		6.80	28.8	16.9	0.00	11.87	-245	1.76	
1032	18.02		6.81	28.8	16.3	0.00	11.88	-254	1.76	
1035	18.04		6.83	28.8	16.1	0.00	11.92	-258	1.76	CLEAR, SLIGHTLY SWEET ODOR
1038	18.05		6.83	28.8	16.0	0.00	11.92	-262	1.76	
	PARAMETERS ~~SAMPLES~~ STABLE, PROCEED TO SAMPLE									

Sample Information

Sample Method(s) (circle): Bladder pump / (Peristaltic pump) / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH - DRO + MO	10:40	1L AMBER (2)	—	SAME MS * 2 FOR FD
sVOC	↓	500mL AMBER (2)	—	
PAH / PCP - SIM		1L AMBER (2)	—	

End Time: 12:15

@ 1015 PID IN BZ = 0.0 PPM, IN HS = 0.0 PPM

Comments / Exceptions:

1ST ATTEMPT TO PURGE WELL: NO WATER EXTRACTION @ 1010. LIFTED TUBING ~10', & RESTARTED → ALL OK.
* DO SENSOR MAY BE MALFUNCTIONING.
@ 1024 PURGE RATE = 160 mL/min
@ 1032 PURGE RATE = 175 mL/min
P-3L (MW70-0513) SAMPLED @ 1200
@ 1132 WELL NO LONGER PUMPING WATER, DTW = 18.1'. 1136 INCREASE RPM - PUMPING AGAIN SEEMED STRAINED.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-6L	Date	05/08/2013
Sample ID	~~TOT~~P6L-0513	Field Team Initials	ME
EPA Sample Number	13184022		

Field Conditions: PARTLY CLOUDY, UPPER 60'S °F

Purge Information

Well Diameter (in.)	2	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	91.60		Bladder Pump
Initial Depth to Water (ft.)	8.78	Water Level Indicator # C101920	Peristaltic Pump
Depth of Water Column	82.82	Pump Indicator # C102885	
3 Casing Volumes	40.5 gal	Start Time	1426
1 Casing Volume	13.5 gal	End Time	1500
		Total Gallons Purged	6.04 liters
Sample Depth (ft. below TOC)	83		
Well Screen Interval (ft below TOC)	78 to 88	Purge Rate	variable mL/min
		Controller Frequency	NA

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	NTU	DO (mg/L)	Temp. (°C)	ORP (mV)	Salinity	Appearance
1428	8.71		8.47	0.353	39.3	6.48	12.43	68	0.01	—
1431	8.63		8.49	0.336	24.4	6.03	12.47	66	0.01	CC, SMALL UNITE PARTICULATES
1435	8.58		8.52	0.329	10.5	5.85	12.89	63	0.01	"
1438	8.57		8.52	0.333	11.6	5.91	12.58	62	0.01	"
1442	8.52		8.53	0.325	12.9	5.81	12.56	62	0.01	CC,
1445	8.48		8.53	0.322	20.7	5.85	12.43	63	0.01	"
1448	8.42		8.50	0.321	*22.1	5.95	12.58	65	0.01	"
1451	8.38		8.43	0.321	*23.1	6.11	12.56	67	0.01	CC
1454	8.38		8.36	0.321	*28.4	6.27	12.34	70	0.01	"
1457	8.30		8.34	0.320	*26.8	6.30	12.22	73	0.01	"
			PARAMETERS STABILIZED, PROCEED TO SAMPLE.							

Sample Information

Sample Method(s) (circle): Bladder pump (Peristaltic pump) Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH - DRO + MO	15:00	1L AMBER (2)	—	
SVOC	↓	500mL AMBER (2)	—	
PAH / PCP - SIM	↓	1L AMBER (2)	—	

End Time: 1522

Comments / Exceptions:

@ 1423 PID IN BZ = 0.0 PPM, NS = 0.0 PPM
@ 1429 PURGE RATE = 150 mL/min
@ 1439 PURGE RATE = 190 mL/min
@ 1452 PURGE RATE = 240 mL/min

* TURBIDITY READING ~~ADJUSTING~~ JUMPING ± 20.0 NTU

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW01
Sample ID	CW01-0513
EPA Sample Number	13184027
Date	05/09/2013
Field Team Initials	ME
Field Conditions	CLOUDY, MID 60'S °F, MILD WINDS (~3mph)

Purge Information

Well Diameter (in.)	4"
Well Depth (ft.)	66.9
Initial Depth to Water (ft.)	43.65
Depth of Water Column	23.25
3 Casing Volumes	45.55 gal
1 Casing Volume	15.18 gal
Water Level Indicator #	C102376
Pump Indicator #	N/A
Purge Method (circle) :	ELECTRIC ~~BAILER~~ Submersible Pump / Bladder Pump / Peristaltic Pump other:
Start Time	1008
End Time	1048
Total Gallons Purged	~~Varied~~ 13.73 liters
Sample Depth (ft. below TOC)	59.8
Well Screen Interval (ft below TOC)	54.08 to 64.08
Purge Rate	Variable mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	NTU	DO (mg/L)	Temp. (°C)	ORP	Salinity	Appearance
1014	44.0		6.67	0.439	24.3	10.97	11.51	159	0.02	CLOUDY
1020	43.80		6.95	0.384	278.0	9.08	11.02	162	0.02	"
1024	43.88		7.00	0.381	224.0	9.05	11.70	165	0.02	"
1027	43.89		7.02	0.379	182.0	9.05	12.56	167	0.02	"
1030	43.87		7.05	0.375	133.6	9.13	13.12	170	0.01	MOSTLY CLOUDY
1033	43.90		7.07	0.374	119.0	9.25	13.11	171	0.01	"
1036	43.91		7.08	0.372	93.6	9.23	13.22	173	0.01	"
1040	43.93		7.08	0.370	80.0	9.33	13.14	175	0.01	"
1043	43.94		7.09	0.369	69.0	9.40	13.11	177	0.01	PARTLY CLEAR
1046	43.94		7.09	0.368	60.9	9.33	13.10	179	0.01	"
	HIGH PURGE RATE, 3 CASING VOLUME PURGED		ALL PARAMETERS PACKED TO SAMPLE.	STEADY	BESIDES	TURBIDITY (FAILING @ CONSTANT RATE)				

Sample Information

Sample Method(s) (circle): Bladder pump Peristaltic pump Submersible Pump other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH + DRO + MO	1050	1L AMBER (2)	-	
SVOC	↓	500mL AMBER (2)	-	
PAH / PCP - SIM		1L AMBER (2)	-	

End Time 1108

Comments / Exceptions:

- 1005 PID IN HS = 0.0 PPM, IN BZ = 0.0 PPM
- 1010 PURGE RATE = 135 mL/min — Purged
- 1022 PURGE RATE = 300 mL/min — 1,890 mL
- 1029 PURGE RATE = 265 mL/min — 2,180 mL
- 1038 PURGE RATE = 350 mL/min — 2,385 mL
- 1046 PURGE RATE = 350 mL/min — 3150 mL
- 4200 mL

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	PZ-09	Date	05/09/2013
Sample ID	PZ09-0513	Field Team Initials	MK
EPA Sample Number	13184025		

Field Conditions: MOSTLY SUNNY, LOW 70'S °F

Purge Information

Well Diameter (in.)	2	Purge Method (circle):	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	33.2		
Initial Depth to Water (ft.)	8.0	Water Level Indicator #	C10 2885
Depth of Water Column	25.2	Pump Indicator #	C 101920
3 Casing Volumes	12.32 gal	Start Time	1250
1 Casing Volume	4.11 gal	End Time	1312
		Total Gallons Purged	3.94 liters
Sample Depth (ft. below TOC)	21.7		
Well Screen Interval (ft below TOC)	16.7 to 26.7	Purge Rate	variable ML/min
		Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	NTU	DO (mg/L)	Temp.	ORP (mg/L)	Salinity (%)	Appearance
1252	8.02		6.50	0.280	26.8	4.87	9.89	198	0.01	—
1255	8.02		6.52	0.267	23.2	3.97	9.62	198	0.01	CC, NO ODOR
1258	8.03		6.51	0.261	19.2	3.86	9.50	198	0.01	"
1305	8.02		6.48	0.258	15.4	3.87	9.32	198	0.01	"
1308	8.03		6.49	0.258	15.5	3.88	9.29	198	0.01	"
1311	8.03		6.49	0.258	15.7	3.84	9.20	198	0.01	"
		PARAMETERS STABLE PRIOR TO SAMPLE								

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other: Low Flow

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH - DRO + MO	13:15	1L AMBER (2)	—	
SVOC	↓	500ML AMBER (2)	—	
PAH / PCP - SIM		1L AMBER (2)	—	

End Time: 1334

Comments / Exceptions:

@ 1247 PID IN HS = 0.0PPM IN BZ = 0.0PPM
@ 1253 PURGE RATE = 160 ML/MIN Purged
@ 1306 PURGE RATE = 220 ML/MIN 2560 ML
@ 1310 PURGE RATE = 250 ML/MIN 880 ML
500 ML

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	MW21
Sample ID	MW21-0513
EPA Sample Number	13184023
Date	5/9/2013
Field Team Initials	BD ME
Field Conditions	sunny 70s

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	11.22'
Initial Depth to Water (ft.)	11.22'
Depth of Water Column	10.78
3 Casing Volumes	52.71 gal
1 Casing Volume	17.57 gal
Sample Depth (ft. below TOC)	13.2
Well Screen Interval (ft below TOC)	8.2 to 18.2

Purge Method (circle): Submersible Pump / Bladder Pump / Peristaltic Pump / other:

Water Level Indicator # C-101920

Pump Indicator # C-102585

Start Time	1411
End Time	1438
Total Gallons Purged	5.125 ~~gal~~ liters
Purge Rate	Variable mL/min
Controller Frequency	N/A

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1415	11.91		6.61	0.381	66.5	5.62	14.05	-18	0.02	CLEAR W/ PARTICULATES
1418	12.08		6.67	0.359	46.3	* 8.00	13.73	-24	0.01	"
1421	12.16		6.68	0.356	37.0	0.00	13.55	-45	0.01	"
1424	12.27		6.67	0.356	31.6	0.00	13.45	-71	0.01	"
1427	12.39		6.69	0.354	28.9	0.33	13.61	-82	0.01	"
1430	12.46		6.69	0.356	26.8	0.27	13.47	-90	0.01	"
1433	12.56		6.69	0.357	25.2	0.51	13.45	-91	0.01	"
1436	12.61		6.69	0.358	24.1	0.42	13.36	-89	0.01	"
		PARAMETERS STABLE, PROCEED TO SAMPLE								

Sample Information

Sample Method(s) (circle): Bladder pump / Peristaltic pump / Submersible Pump / other

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-Dx + MO	14:40	1L AMBER (2)	-	
SVOC	↓	500mL AMBER (2)	-	
PAH / PCP - SIM	↓	1L AMBER (2)	-	

End Time 15:51

Comments / Exceptions:

(c) 1409 PID IN HS = 0.0 PPM, BZ = 0.0 PPM

(c) 1417 PURGE RATE = 250 mL/min — Purged * DO SENSOR MAY BE MALFUNCTIONING.

(c) 1420 PURGE RATE = 200 mL/min — 2250 ML

(c) 1425 PURGE RATE = 150 mL/min — 1800 ML

(c) 1435 PURGE RATE = 125 mL/min — 1500 ML

375ML

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.
Stablization Parameters are shown in BOLD
Check for floaters and sinkers and enter observations under comments section.

Appendix C

Groundwater Sample Tracking Records

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 1

No: 10-050613-174313-0001
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184000	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, SVOC, TPH-DRO + MOTOR OIL	N1 (4 C), N3 (4 C), N5 (4 C) (3)	SE02-0513	05/06/2013 10:50	
13184001	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW02-0513	05/06/2013 10:35	
13184000	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, SVOC, TPH-DRO + MOTOR OIL	N2 (4 C), N4 (4 C), N6 (4 C) (3)	SE02-0513	05/06/2013 10:50	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/7/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 1

No: 10-050613-174313-0001
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184000	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, SVOC, TPH-DRO + MOTOR OIL	N1 (4 C), N3 (4 C), N5 (4 C) (3)	SE02-0513	05/06/2013 10:50	Field Sample
13184001	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW02-0513	05/06/2013 10:35	Field Sample
13184000	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, SVOC, TPH-DRO + MOTOR OIL	N2 (4 C), N4 (4 C), N6 (4 C) (3)	SE02-0513	05/06/2013 10:50	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/7/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 2

No: 10-050613-174758-0002
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184002	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P1L-0513	05/06/2013 12:20	
13184004	Ground Water/ Nicole Badon	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	VG1L-0513	05/06/2013 12:10	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	5/7/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 2

No: 10-050613-174758-0002
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184002	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P1L-0513	05/06/2013 12:20	Lab QC
13184004	Ground Water/ Nicole Badon	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	VG1L-0513	05/06/2013 12:10	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	5/7/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 3

No: 10-050613-175154-0003
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184003	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	02CDMW01	05/06/2013 14:55	
13184007	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC	N1 (4 C), N2 (4 C), N3 (4 C) (3)	VG2L-0513	05/06/2013 14:50	
13184002	Ground Water/ Mark Endo	Grab	TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N7 (4 C), N8 (4 C) (2)	P1L-0513	05/06/2013 12:20	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/7/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 3

No: 10-050613-175154-0003
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184003	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	02CDMW01	05/06/2013 14:55	Field Sample
13184007	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC	N1 (4 C), N2 (4 C), N3 (4 C) (3)	VG2L-0513	05/06/2013 14:50	Field Sample
13184002	Ground Water/ Mark Endo	Grab	TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N7 (4 C), N8 (4 C) (2)	P1L-0513	05/06/2013 12:20	Lab QC

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/7/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 4

No: 10-050613-175430-0004
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184007	Ground Water/ Janice Horton	Grab	SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N4 (4 C), N5 (4 C), N6 (4 C) (3)	VG2L-0513	05/06/2013 14:50	
13184008	Ground Water/ Brittany Prentice	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW80-0513	05/06/2013 15:15	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/7/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 4

No: 10-050613-175430-0004
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184007	Ground Water/ Janice Horton	Grab	SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N4 (4 C), N5 (4 C), N6 (4 C) (3)	VG2L-0513	05/06/2013 14:50	Field Sample
13184008	Ground Water/ Brittany Prentice	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW80-0513	05/06/2013 15:15	Field Duplicate

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/7/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 5

No: 10-050613-175609-0005
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184005	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW09-0513	05/06/2013 16:10	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Endo	5/7/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/7/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 5

No: 10-050613-175609-0005
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184005	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW09-0513	05/06/2013 16:10	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Endo	5/7/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 1

No: 10-050713-202532-0006
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184009	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, SVOC, PAH/PCP-SIM, PAH/PCP-SIM, SVOC	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N10 (4 C), N7 (4 C), N8 (4 C), N9 (4 C) (10)	CW15-0513	05/07/2013 10:20	

Shipment for Case Complete? N

Sample(s) to be used for Lab QC: 13184009

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 1

No: 10-050713-202532-0006
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184009	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, SVOC, PAH/PCP-SIM, PAH/PCP-SIM, SVOC	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N10 (4 C), N7 (4 C), N8 (4 C), N9 (4 C) (10)	CW15-0513	05/07/2013 10:20	Lab QC

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Sample(s) to be used for Lab QC: 13184009

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 2

No: 10-050713-202921-0007
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184010	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW50-0513	05/07/2013 10:30	
13184011	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW05-0513	05/07/2013 10:25	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 2

No: 10-050713-202921-0007
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184010	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW50-0513	05/07/2013 10:30	Field Duplicate
13184011	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW05-0513	05/07/2013 10:25	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Endo	5/8/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 3

No: 10-050713-203138-0008
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184013	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C) (4)	VG3L-0513	05/07/2013 12:25	
13184014	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	99CDMW02	05/07/2013 12:50	

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Endo	5/8/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 3

No: 10-050713-203138-0008
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184013	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C) (4)	VG3L-0513	05/07/2013 12:25	Lab QC
13184014	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	99CDMW02	05/07/2013 12:50	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 4

No: 10-050713-203312-0009
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184012	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P4L-0513	05/07/2013 15:00	
13184013	Ground Water/ Janice Horton	Grab	TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C) (4)	VG3L-0513	05/07/2013 12:25	

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 4

No: 10-050713-203312-0009
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184012	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P4L-0513	05/07/2013 15:00	Field Sample
13184013	Ground Water/ Janice Horton	Grab	TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C) (4)	VG3L-0513	05/07/2013 12:25	Lab QC

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: WEH-016O
Project Code: WEH-016O
Cooler #: 5

No: 10-050713-203801-0010
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184020	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P5L-0513	05/07/2013 15:20	
13184021	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	VG4L-0513	05/07/2013 16:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/8/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/8/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 5

No: 10-050713-203801-0010
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184020	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P5L-0513	05/07/2013 15:20	Field Sample
13184021	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	VG4L-0513	05/07/2013 16:15	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/8/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 1

No: 10-050913-103158-0011
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184006	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P2L-0513	05/08/2013 10:10	
13184017	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	99CDMW04-0513	05/08/2013 11:35	

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Vicki Clayton	5/9/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 1

No: 10-050913-103158-0011
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184006	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P2L-0513	05/08/2013 10:10	Field Sample
13184017	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	99CDMW04-0513	05/08/2013 11:35	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/9/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 2

No: 10-050913-103903-0012
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184015	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P3L-0513	05/08/2013 10:40	
13184016	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW70-0513	05/08/2013 11:00	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/9/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 2

No: 10-050913-103903-0012
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184015	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P3L-0513	05/08/2013 10:40	Field Sample
13184016	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW70-0513	05/08/2013 11:00	Field Duplicate

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Walter	5/9/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 3

No: 10-050913-104324-0013
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184018	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW12-0513	05/08/2013 14:38	
13184022	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P6L-0513	05/08/2013 15:00	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/9/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 3

No: 10-050913-104324-0013
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184018	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW12-0513	05/08/2013 14:38	Field Sample
13184022	Ground Water/ Mark Endo	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	P6L-0513	05/08/2013 15:00	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/9/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 4

No: 10-050913-104651-0014
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184019	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C) (8)	VG5L-0513	05/08/2013 15:42	

Shipment for Case Complete? N

Special Instructions:

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/9/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/9/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 4

No: 10-050913-104651-0014
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184019	Ground Water/ Janice Horton	Grab	PAH/PCP-SIM, PAH/PCP-SIM, SVOC, SVOC, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL, TPH-DRO + MOTOR OIL	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C) (8)	VG5L-0513	05/08/2013 15:42	Lab QC

Shipment for Case Complete? N

Special Instructions:

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/9/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 1

No: 10-050913-154423-0015
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184026	Ground Water/ Brittany Prentice	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	PZ11-0513	05/09/2013 13:05	
13184027	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW01-0513	05/09/2013 10:50	

Shipment for Case Complete? N

Special Instructions:

Samples Transferred From Chain of Custody #

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/10/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 1

No: 10-050913-154423-0015
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184026	Ground Water/ Brittany Prentice	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	PZ11-0513	05/09/2013 13:05	Field Sample
13184027	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	CW01-0513	05/09/2013 10:50	Field Sample

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/10/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 2

No: 10-050913-154652-0016
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184024	Ground Water/ Brittany Prentice	Grab	PAH_PCP(8), SVOC(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8), PAH_PCP(8), PAH_PCP(8), SVOC(8)	N1 (4 C), N10 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C), N9 (4 C) (10)	PZ03-0513	05/09/2013 10:55	

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Sample(s) to be used for Lab QC: 13184024

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/10/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 2

No: 10-050913-154652-0016
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184024	Ground Water/ Brittany Prentice	Grab	PAH_PCP(8), SVOC(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8), PAH_PCP(8), PAH_PCP(8), SVOC(8)	N1 (4 C), N10 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C), N7 (4 C), N8 (4 C), N9 (4 C) (10)	PZ03-0513	05/09/2013 10:55	Lab QC

Shipment for Case Complete? N

Sample(s) to be used for Lab QC: 13184024

Samples Transferred From Chain of Custody #

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/10/13									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Site #: W2
Project Code: WEH-016O
Cooler #: 3

No: 10-050913-155711-0017
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
13184023	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW21-0513	05/09/2013 14:40	
13184025	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	PZ09-0513	05/09/2013 13:15	

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/10/13									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 5/10/2013
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor SF Site/WA
Project Code: WEH-016O
Cooler #: 3

No: 10-050913-155711-0017
Lab: Manchester Environmental Laboratory
Lab Contact: Karen Norton
Lab Phone: 360-871-8760

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
13184023	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	MW21-0513	05/09/2013 14:40	Field Sample
13184025	Ground Water/ Mark Endo	Grab	PAH_PCP(8), PAH_PCP(8), SVOC(8), SVOC(8), TPH-Dx MO(8), TPH-Dx MO(8)	N1 (4 C), N2 (4 C), N3 (4 C), N4 (4 C), N5 (4 C), N6 (4 C) (6)	PZ09-0513	05/09/2013 13:15	Field Sample

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key: PAH_PCP=PAH/PCP-SIM, SVOC=SVOC, TPH-Dx MO=TPH-DRO + MOTOR OIL

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		5/10/13									

Appendix D

USEPA Region 10 Laboratory Data Packages

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

Date: June 11, 2013

To: Howard Orlean, EPS
Office of Environmental Cleanup, USEPA Region 10

From: Chris Pace, Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

Subject: Quality Assurance Review for the Semi-Volatile Organic Analysis of Samples from the Wyckoff Eagle Harbor Groundwater Project

Project Code: WEH-016O
Account Code: 2013T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Karl Kunas, USACE

The following is a quality assurance review of the data for Semi-Volatile Organic Compound (SVOC) analysis of water samples from the above referenced site. The analyses were performed by the EPA Region 10 Laboratory using EPA SW846 methods 3535A and 8270D.

This review was conducted for the following samples:

13184000	13184001	13184002	13184003	13184004	13184005
13184006	13184007	13184008	13184009	13184010	13184011
13184012	13184013	13184014	13184015	13184016	13184017
13184018	13184019	13184020	13184021	13184022	13184023
13184024	13184025	13184026	13184027		

1. Data Qualifications

Comments below refer to the quality control specifications outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). No excursions were required from the method Standard Operating Procedure.

The quality control measures which did not meet Laboratory/QAPP criteria are annotated in the title of each affected subsection with "*Laboratory/QAPP Criteria Not Met*".

For those tests for which the EPA Region 10 Laboratory has been accredited by the National Environmental Laboratory Accreditation Conference (NELAC), all requirements of the current NELAC Standard have been met.

2. Sample Transport and Receipt

Upon sample receipt, no conditions were noted that would impact data quality.

3. Sample Holding Times

The concentration of an analyte in a sample or extract of a sample may increase or decrease over time depending on the nature of the analyte. The holding time maximum criteria applied for the extraction of water samples is 7 days from the time of collection. Extracts have a holding time maximum of 40 days from the time of preparation. All samples were extracted and analyzed within these criteria.

4. Sample Preparation

Samples were prepared according to the method.

5. Instrument Tune

The SOP tuning criteria was met for the analyses. Sample analyses were performed within the required 12 hour tune criteria.

6. Initial Calibration/Continuing Calibration Verification (CCV) - *Laboratory/QAPP Criteria Not Met*

Initial calibration was performed 05/20/13. Percent relative standard deviations (RSDs) of the calibration factors met the criteria of ≤15% or correlation coefficients met the criteria of ≥0.99. The relative response factors (RRFs) were ≥0.05 except for the following.

One or more initial calibration levels resulted with RRFs <0.05 for 2,4-dinitrophenol. The 2,4-dinitrophenol results in all samples were non-detects and qualified as estimated, "UJ".

The second source verification (SSV) of the initial calibration met the percent accuracies criteria of 70-130% except for the following.

n-Nitrosodiphenylamine thermally degrades to diphenylamine in the injector inlet. The SSV of this analyte routinely fails the percent accuracy criteria. The detected and non-detected n-nitrosodiphenylamine results in all samples were qualified as estimated, "J/UJ".

The CCV for samples met the criteria for frequency of analysis and relative retention time (RRT) windows for all target and surrogate compounds. The RRF were ≥0.05 and the percent accuracies were 80-120% of the true value for all reported results except for the following.

The CCV analyzed on 5/21/13 resulted with a percent accuracy <80% for 2,4-dinitrophenol. All associated 2,4-dinitrophenol results were qualified as estimated, "J/UJ".

7. LCS/LCSD - *Laboratory/QAPP Criteria Not Met*

Data for laboratory control sample/laboratory control sample duplicates (LCS/LCSD) are generated to provide information on the accuracy and precision of the analytical method and the laboratory performance. The LCS/LCSD recoveries met the Wyckoff GSEP specified criteria of 65-135% with a relative percent difference (RPD) of ≤35 except for the following.

Samples 74W050813L1 and/or 74W050813L2 resulted with <65% recovery for 4-chloroaniline, hexachlorobutadiene and caprolactam. Associated sample results were all non-detects and qualified as estimated, "UJ". Associated samples: 13184000, 13184001, 13184002, 13184003, 13184004, 13184005, 13184007, 13184008.

Samples 74W051013L1 and/or 74W051013L2 resulted with <65% recovery for hexachloroethane, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated sample results were all non-detects and qualified as estimated, "UJ". Associated samples: 13184006, 13184009, 13184010, 13184011, 13184012, 13184013, 13184014, 13184015, 13184016, 13184017, 13184018, 13184019, 13184020, 13184021, 13184022.

Samples 74W051313L1 and/or 74W051313L2 resulted with <65% recovery for hexachloroethane, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated sample results were all non-detects and qualified as estimated, "UJ". Associated samples: 13184023, 13184024, 13184025, 13184026, 13184027.

8. Blank Analysis

Method blanks were analyzed with each sample batch to evaluate the potential for laboratory contamination and effects on the sample results. Target analytes detected in samples were reported without qualification if the results were five times that of the blank(s). Detected sample results were qualified 'U' if the results were below these criteria. The sample concentration or the sample quantification limit, whichever is greater, was reported as the qualified result.

9. Surrogate Spikes

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. The surrogate recoveries met the laboratory's SOP specified criteria.

10. Matrix Spike/Matrix Spike Duplicate Analysis (MS/MSD) - *Laboratory/QAPP Criteria Not Met*

MS/MSD analyses are performed to provide information on the effects of sample matrices toward the analytical method. An MS/MSD analysis was performed using samples 13184009 and 13184024. The recoveries met the Wyckoff GSEP specified criteria of 65-135% with a relative percent difference (RPD) of ≤35 except for the following.

Samples 13184009MS and/or 13184009MSD resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam, hexachlorocyclopentadiene, 1,2,4,5-tetrachlorobenzene, 2,4,5-trichlorophenol, 1,1'biphenyl, 3-nitroaniline, 4-nitrophenol, caffeine and 3,3'-dichlorobenzindine. Associated detected and non-detected results in the native sample were qualified as estimated, "J/UJ".

The recoveries for 1-methylnaphthalene and dibenzofuran in 13184009MS and 13184009MSD could not be

determined accurately due to the amount native to the sample and were qualified "NA".

Samples 13184024MS and/or 13184024MSD resulted with <65% recovery for 4-chloroaniline, hexachlorobutadiene, caprolactam, hexachlorocyclopentadiene, 1,2,4,5-tetrachlorobenzene and 3,3'-dichlorobenzindine. Associated results in the native sample were all non-detects and qualified as estimated, "UJ".

11. Internal Standard Performance

Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run. The retention time variations of all internal standards were within 30 seconds of the continuing calibration standard. The percent areas of all the internal standards were within the specified 50% to 200% of the continuing calibration standard for all reported results.

12. Compound Quantitation

The initial calibration functions were used for calculations. Reported quantitation limits were based on the initial calibration standards and sample size used for the analysis.

All manual integrations have been reviewed and found to comply with acceptable integration practices.

13. Identification

The retention times for all detected target compounds were within acceptable limits of the initial or continuing calibration standards. Criteria were met for mass spectral ion matching and ion abundance matching or were judged acceptable.

14. Data Qualifiers

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier in light of the project's data quality objectives. Should questions arise regarding the data, contact Chris Pace at the Region 10 Laboratory, phone number (360) 871 - 8703.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

Date: July 15, 2013

To: Howard Orlean, USEPA, RPM
Office of Environmental Cleanup, USEPA Region 10

From: Dana Walker, Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

Subject: Quality Assurance Review for the Total Petroleum Hydrocarbon-Diesel Range Extended Analysis of Samples from the Wyckoff Eagle Harbor Groundwater project.

Project Code: WEH-016O
Account Code: 2013T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Karl Kunas, USACE

The following is a quality assurance review of the data for total petroleum hydrocarbon - diesel range extended (TPH-Dx) analysis of samples from the above referenced site. The analyses were performed by the EPA Region 10 Laboratory ESAT contractor using Washington State Department of Ecology Method NWTPH-Dx.

This review was conducted for the following water samples:

13184000	13184001	13184002	13184003	13184004	13184005
13184006	13184007	13184008	13184009	13184010	13184011
13184012	13184013	13184014	13184015	13184016	13184017
13184018	13184019	13184020	13184021	13184022	13184023
13184024	13184025	13184026	13184027		

1. Data Qualifications

Comments below refer to the quality control specifications outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). No excursions were required from the method Standard Operating Procedure.

The quality control measures that did not meet Laboratory/QAPP criteria are annotated in the title of each affected subsection with "*Laboratory/QAPP Criteria Not Met*".

For those tests for which the EPA Region 10 Laboratory has been accredited by the National Environmental Laboratory Accreditation Conference (NELAC), all requirements of the current NELAC Standard have been met.

2. Sample Transport and Receipt

Upon sample receipt, no conditions were noted that would impact data quality.

3. Sample Holding Times

The concentration of an analyte in a sample or extract of a sample may increase or decrease over time depending on the nature of the analyte. The holding time maximum criteria applied for the extraction of water samples is 7 days from the time of collection. Extracts have a holding time maximum of 40 days from the time of preparation. All samples were extracted and analyzed within these criteria.

4. Sample Preparation

Samples were prepared according to the method/SOP.

5. Initial Calibration

Initial calibrations were performed on 04/12/2013 for #2 diesel, motor oil and surrogate. Percent relative standard deviations (%RSDs) of the RRFs met the criteria of ≤20% or the correlation coefficients met the criteria of ≥0.99.

6. Continuing Calibration Verification (CCV)

The CCV met the criteria for frequency of analysis and relative retention time (RRT) windows for all target and surrogate compounds. The percent accuracies were 80-120% of the true values.

7. Blank Analysis

Method blanks were prepared and analyzed with each sample extraction batch to evaluate the potential for laboratory contamination and effects on the sample results. TPH-Dx was not detected in the blanks.

8. Surrogates

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. All surrogate recoveries for the samples were within the criteria of 50-150%.

9. LCS/LCSD

Data for laboratory control sample/laboratory control sample duplicates (LCS/LCSD) are generated to provide information on the accuracy and precision of the analytical method and the laboratory performance. The LCS/LCSD recoveries were within the criteria of 70-130% with a relative percent difference (RPD) of ≤30.

10. Duplicate Sample Analysis

Duplicate sample analyses are performed to provide information on the precision, in the matrix of interest, of the analytical method. Duplicate analysis was performed using samples 13184002, 13184009, and 13184019, 13184024. All results that were above 5 times the reporting limit met the relative percent difference (RPD) criteria of ≤35.

11. Compound Identification/Quantitation

Some samples showed low levels of diesel-like hydrocarbons, but the pattern is actually a match for creosote, as a result, these were not reported. Motor oil range organics were not detected in any of the samples.

The initial calibration functions were used for calculations. Reported quantitation limits were based on the initial calibration standards and sample size used for the analysis.

Diesel range organics is a collective term for petroleum products that generally elute before motor oil but after gasoline from the gas chromatograph.

Motor oil range organics is a collective term for any petroleum product that chromatographically consists primarily of an unresolved envelope of compounds generally eluting after #2 diesel. Included in the definition are hydraulic fluids, motor oils, lubricating oils, cutting oils, mineral oils, transmission fluids, etc.

Chemical Abstract Service (CAS) numbers with a "*" indicates that the number was created at the Region 10 Laboratory due to lack of an existing one.

All manual integrations have been reviewed and found to comply with acceptable integration practices.

12. Data Qualifiers

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier in light of the project's data quality objectives. Should questions arise regarding the data, contact Dana Walker at the Region 10 Laboratory, phone number (360) 871 - 8704.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

Date: July 16, 2013

To: Horward Orlean, RPM
Office of Environmental Cleanup, USEPA Region 10

From: Dana Walker, ESAT Project Officer
Office of Environmental Assessment, USEPA Region 10 Laboratory

Subject: Quality Assurance Review for the Polyaromatic Hydrocarbon Analysis of Samples from the Wyckoff Eagle Harbor Groundwater Project

Project Code: WEH-016O
Account Code: 2013T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Karl Kunas- USACE

The following is a quality assurance review of the data for Polyaromatic Hydrocarbon analysis of water samples from the above referenced site. The analyses were performed by the EPA Region 10 Laboratory ESAT contractor using modified EPA SW846 methods 3535 and 8270.

This review was conducted for the following samples:

13184000	13184001	13184002	13184003	13184004	13184005
13184006	13184007	13184008	13184009	13184010	13184011
13184012	13184013	13184014	13184015	13184016	13184017
13184018	13184019	13184020	13184021	13184022	13184023
13184024	13184025	13184026	13184027		

1. Data Qualifications

Comments below refer to the quality control specifications outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). No excursions were required from the method Standard Operating Procedure.

The quality control measures which did not meet Laboratory/QAPP criteria are annotated in the title of each affected subsection with "*Laboratory/QAPP Criteria Not Met*".

For those tests for which the EPA Region 10 Laboratory has been accredited by the National Environmental Laboratory Accreditation Conference (NELAC), all requirements of the current NELAC Standard have been met.

2. Sample Transport and Receipt

Upon sample receipt, no conditions were noted that would impact data quality**.**

3. Sample Holding Times

The concentration of an analyte in a sample or extract of a sample may increase or decrease over time depending on the nature of the analyte. The holding time maximum criteria applied for the extraction of water samples is 7 days from the time of collection. Extracts have a holding time maximum of 40 days from the time of preparation. All samples were extracted and analyzed within these criteria.

4. Sample Preparation

Samples were prepared according to the method.

5. Initial Calibration/Continuing Calibration Verification (CCV)

Initial calibration was performed on 05/17/2013 and again on 06/03/2013. Percent relative standard deviations (RSDs) of the calibration factors met the criteria of ≤15% or correlation coefficients met the criteria of ≥0.99.

The CCV for samples met the criteria for frequency of analysis and relative retention time (RRT) windows. The RRFs were ≥0.05 and the percent accuracies were 80-120% of the true value.

6. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)— *Laboratory/QAPP Criteria Not Met*

LCS/LCSD are generated to provide information on the accuracy and precision of the analytical method and the laboratory performance. The LCS/LCSD recoveries were within the criteria of 65-135% with a relative percent difference (RPD) of ≤35 with the exception of the following analytes: Fluoranthene, Benzo(a) anthracene, Chrysene, Benzo[b]fluoranthene, and Benzo[k]fluoranthene along with the surrogate in the LCS, Terphenyl-d14. Because the MS/MSD recoveries were all in control, and because after some investigation it was determined that the high recoveries may have resulted from use of amber bottles that had been used for the weekly Wyckoff GWTP samples and thus would have likely introduced target contamination in the LCS samples only, no data are flagged as a result.

7. Blank Analysis

Method blanks were prepared and analyzed with each sample extraction batch to evaluate the potential for laboratory contamination and effects on the sample results. Target analytes were not detected in the blanks.

8. Surrogate Spikes—*Laboratory/QAPP Criteria Not Met*

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. The surrogates used are terphenyl-d14 and 9,10-diphenylanthracene. All surrogate recoveries were within the criteria of 70-130% with the exception of the blank and LCS analyses as noted in Section 6. The same probable cause of carryover from previously prepared samples is the likely source. As a result no data are qualified.

9. Internal Standard Performance

Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run. The retention time variations of all internal standards were within 30 seconds of the continuing calibration standard. The percent areas of all the internal standards were within the specified 50% to 200% of the continuing calibration standard for all reported sample results.

10. Compound Quantitation

The initial calibration functions were used for calculations. Reported quantitation limits were based on the initial calibration standards and sample size used for the analysis. Detected analyte concentrations below the sample quantitation limits were qualified as estimated, "J".

All manual integrations have been reviewed and found to comply with acceptable integration practices.

11. Matrix Spike/Matrix Spike Duplicate Analysis (MS/MSD

MS/MSD analyses are performed to provide information on the effects of sample matrices toward the analytical method. An MS/MSD analysis was run on samples 13184009 and 13184024. All recoveries were within 65-135% and the RPDs were <35%.

12. Identification

The RRTs for all detected target compounds were within acceptable limits of the initial or continuing calibration standards. Criteria were met for mass spectral ion matching and ion abundance matching for those ions monitored in SIM scanning mode.

13. Data Qualifiers

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier in light of the project's data quality objectives. Should questions arise regarding the data, contact Dana Walker at the Region 10 Laboratory, phone number (360) 871-8704.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

Date: July 15, 2013

To: Howard Orlean, RPM
Office of Environmental Cleanup, USEPA Region 10

From: Dana Walker, Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

Subject: Quality Assurance Review for the Pentachlorophenol Analysis of Water Samples from the Wyckoff Eagle Harbor Groundwater Superfund site.

Project Code: WEH-016O
Account Code: 2013T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Karl Kunas, USACE

The following is a quality assurance review of the data for pentachlorophenol analysis of water samples from the above referenced site. The analyses were performed by the EPA Region 10 Laboratory ESAT contractor using modified EPA SW846 methods 3535 and 8041.

This review was conducted for the following samples:

13184000	13184001	13184002	13184003	13184004	13184005
13184006	13184007	13184008	13184009	13184010	13184011
13184012	13184013	13184014	13184015	13184016	13184017
13184018	13184019	13184020	13184021	13184022	13184023
13184024	13184025	13184026	13184027		

1. Data Qualifications

Comments below refer to the quality control specifications outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). No excursions were required from the method Standard Operating Procedure.

The quality control measures which did not meet Laboratory/QAPP criteria are annotated in the title of each affected subsection with "*Laboratory/QAPP Criteria Not Met*".

For those tests for which the EPA Region 10 Laboratory has been accredited by the National Environmental Laboratory Accreditation Conference (NELAC), all requirements of the current NELAC Standard have been met.

2. Sample Transport and Receipt

Upon sample receipt, no conditions were noted that would impact data quality.

3. Sample Holding Times

The concentration of an analyte in a sample or extract of a sample may increase or decrease over time depending on the nature of the analyte. The holding time maximum criteria applied for the extraction of water samples is 7 days from the time of collection. Extracts have a holding time maximum of 40 days from the time of preparation. All samples were extracted and analyzed within these criteria.

4. Sample Preparation

Samples were prepared according to the method.

5. Initial Calibration/Continuing Calibration Verification (CCV)

Initial calibration was performed on 05/21/13. Percent relative standard deviations (RSDs) of the calibration factors met the criteria of ≤20% or correlation coefficients met the criteria of ≥0.99.
The CCV for samples met the criteria for frequency of analysis and RRT windows. The percent accuracies met the criteria of 65-135% of the true value except for the reported sample results.

6. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)— *Laboratory/QAPP Criteria Not Met*

LCS/LCSD are generated to provide information on the accuracy and precision of the analytical method and the laboratory performance. The LCS/LCSD recoveries were within the criteria of 65-135% with a relative percent difference (RPD) of ≤35 for the first pair that was analyzed. However, the second LCS/LCSD did not meet the recovery criteria, although the RPD was within criteria. Reviewing analyst notes and a corrective action notice it appears that the low recoveries were sourced due to incomplete mixing of the standard during analysis. Given that the accompanying MS/MDS and the first LCS/LCSD were all within criteria, no data were flagged as a result.

7. Blank Analysis

Method blanks were prepared and analyzed with each sample extraction batch to evaluate the potential for laboratory contamination and effects on the sample results. Pentachlorophenol was not detected in the blanks. As a conservative measure, all detected pentachlorophenol results below the quantitation limits for samples were qualified 'U'. In these cases, the quantitation limit was reported.

8. Surrogate Spikes

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. The surrogate compound used for these analyses was 2,4,6-tribromophenol. All surrogate recoveries were within the criteria of 65-135%.

9. Matrix Spike/Matrix Spike Duplicate Analysis (MS/MSD)

MS/MSD analyses are performed to provide information on the effects of sample matrices toward the analytical method. An MS/MSD analysis was performed using samples 12254309 and 12254324. The recoveries met the criteria of 65-135% with a RPD of ≤35.

10. Compound Quantitation

The initial calibration functions were used for calculations. Reported quantitation limits were based on the initial calibration standards and sample size used for the analysis.

All manual integrations have been reviewed and found to comply with acceptable integration practices.

11. Identification

Pentachlorophenol and the surrogate were identified based on chromatographic retention times of two dissimilar gas chromatography columns as determined from the initial calibration.

12. Data Qualifiers

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier in light of the project's data quality objectives. Should questions arise regarding the data, contact Dana Walker at the Region 10 Laboratory, phone number (360) 871 - 8704.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

SUBJECT: Data Release for Semi-Volatile Organic Results from the USEPA Region 10 Laboratory

PROJECT NAME: Wyckoff Eagle Harbor Groundwater

PROJECT CODE: WEH-016O

FROM: Gerald Dodo, Supervisory Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

TO: Howard Orlean, EPS
Office of Environmental Cleanup, USEPA Region 10

CC: Nicole Badon, CH2MHill
Karl Kunas, USACE

I have authorized release of this data package. Attached you will find the semi-volatile organic results for the Wyckoff Eagle Harbor Groundwater project for the samples collected 05/06/13 to 05/09/13. For further information regarding the attached data, contact Chris Pace at 360-871-8703.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

Subject: Data Release for Total Petroleum Hydrocarbon-Diesel Range Extended Analysis from the USEPA Region 10 Laboratory

Project Name: Wyckoff Eagle Harbor Groundwater

Project Code: WEH-016O

From: Gerald Dodo, Supervisory Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

To: Howard Orlean, USEPA, RPM
Office of Environmental Cleanup, USEPA Region 10

CC: Nicole Badon CH2MHill
Karl Kunas USACE

I have authorized release of this data package. Attached you will find the total petroleum hydrocarbon-diesel range extended (TPH-Dx) analysis results for the Wyckoff Eagle Harbor Groundwater samples collected from 05/06/13 to 05/09/13. For further information regarding the attached data, contact Dana Walker at 360-871-8704.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

SUBJECT: Data Release for Polyaromatic Hydrocarbon Results from the USEPA Region 10 Laboratory

PROJECT NAME: Wyckoff Eagle Harbor Groundwater

PROJECT CODE: WEH-020O

FROM: Gerald Dodo, Supervisory Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

TO: Howard Orlean, RPM
Office of Environmental Cleanup, USEPA Region 10

CC: Nicole Badon- CH2MHill
Karl Kunas- USACE

I have authorized release of this data package. Attached you will find the polyaromatic hydrocarbon results for the Wyckoff Eagle Harbor Groundwater project for the samples collected 05/06/13 to 05/09/13. For further information regarding the attached data, contact Dana Walker at 360-871-8704.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

SUBJECT: Data Release for Pentachlorophenol Analysis Results from the USEPA Region 10 Laboratory

PROJECT NAME: Wyckoff Eagle Harbor Groundwater Superfund site, Bainbridge Island, WA.

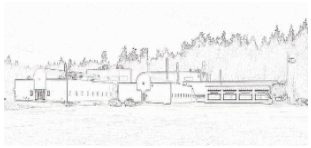
PROJECT CODE: WEH-016O

FROM: Gerald Dodo, Supervisory Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

TO: Howard Orlean, RPM
Office of Environmental Cleanup, USEPA Region 10

CC: Nicole Badon, CH2MHill
Karl Kunas, USACE

I have authorized release of this data package. Attached you will find the pentachlorophenol results for the Wyckoff Eagle Harbor Groundwater Superfund site project for the samples collected 05/06/13 to 05/09/13. For further information regarding the attached data, contact Dana Walker at 360-871-8704.



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016O
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2013T10P303DD210W2LA00

Sample : 13184000

Description : SE02-0513
Matrix : Water
Collected : 5/6/2013 10:50:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

85687	Butylbenzylphthalate	2.0 ug/L	U	5/20/13	1
58082	Caffeine	1.0 ug/L	U	5/20/13	1
105602	Caprolactam	2.0 ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0 ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0 ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0 ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0 ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0 ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0 ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0 ug/L	U	5/20/13	1
87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	89 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	79 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	64 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	68 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	80 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	58 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	87 %Rec		5/20/13	1
1719068	Anthracene-D10	85 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	86 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	86 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	85 %Rec		5/20/13	1
1718521	D10-Pyrene	98 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	80 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	83 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	84 %Rec		5/20/13	1
4165622	Phenol-d5	77 %Rec		5/20/13	1

Sample : 13184001

Description : CW02-0513
Matrix : Water
Collected : 5/6/2013 10:35:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	80 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	72 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	60 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	46 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	72 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	52 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	79 %Rec		5/20/13	1
1719068	Anthracene-D10	76 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	76 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	78 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	76 %Rec		5/20/13	1
1718521	D10-Pyrene	84 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	75 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	74 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	77 %Rec		5/20/13	1
4165622	Phenol-d5	68 %Rec		5/20/13	1

Sample : 13184002

Description : P1L-0513
Matrix : Water
Collected : 5/6/2013 12:20:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	87 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	77 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	70 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	52 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	77 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	58 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	83 %Rec		5/20/13	1
1719068	Anthracene-D10	76 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	74 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	86 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	79 %Rec		5/20/13	1
1718521	D10-Pyrene	88 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	79 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	82 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	81 %Rec		5/20/13	1
4165622	Phenol-d5	77 %Rec		5/20/13	1

Sample : 13184003

Description : 02CDMW01
Matrix : Water
Collected : 5/6/2013 2:55:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	78 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	68 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	60 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	56 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	68 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	54 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	78 %Rec		5/20/13	1
1719068	Anthracene-D10	77 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	83 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	75 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	77 %Rec		5/20/13	1
1718521	D10-Pyrene	92 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	71 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	77 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	73 %Rec		5/20/13	1
4165622	Phenol-d5	67 %Rec		5/20/13	1

Sample : 13184004

Description : VG1L-0513
Matrix : Water
Collected : 5/6/2013 12:10:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	91 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	80 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	65 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	50 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	80 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	57 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	89 %Rec		5/20/13	1
1719068	Anthracene-D10	87 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	85 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	84 %Rec		5/20/13	1
1718521	D10-Pyrene	97 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	81 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	83 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	85 %Rec		5/20/13	1
4165622	Phenol-d5	79 %Rec		5/20/13	1

Sample : 13184005

Description : CW09-0513
Matrix : Water
Collected : 5/6/2013 4:10:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	90 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	82 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	69 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	43 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	81 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	59 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	86 %Rec		5/20/13	1
1719068	Anthracene-D10	84 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	84 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	88 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	83 %Rec		5/20/13	1
1718521	D10-Pyrene	94 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	82 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	84 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	86 %Rec		5/20/13	1
4165622	Phenol-d5	80 %Rec		5/20/13	1

Sample : 13184006

Description : P2L-0513
Matrix : Water
Collected : 5/8/2013 10:10:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	85 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	78 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	55 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	50 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	79 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	55 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	82 %Rec		5/21/13	1
1719068	Anthracene-D10	80 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	81 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	79 %Rec		5/21/13	1
1718521	D10-Pyrene	92 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	75 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	80 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	80 %Rec		5/21/13	1
4165622	Phenol-d5	74 %Rec		5/21/13	1

Sample : 13184007

Description : VG2L-0513
Matrix : Water
Collected : 5/6/2013 2:50:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	**9H-Carbazole**	**3.5**	**ug/L**		5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	**Naphthalene, 1-methyl-**	**3.0 ug/L**		5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	72 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	65 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	79 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	49 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	67 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	60 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	75 %Rec		5/20/13	1
1719068	Anthracene-D10	86 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	87 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	71 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	75 %Rec		5/20/13	1
1718521	D10-Pyrene	95 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	68 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	80 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	69 %Rec		5/20/13	1
4165622	Phenol-d5	63 %Rec		5/20/13	1

Sample : 13184008

Description : MW80-0513
Matrix : Water
Collected : 5/6/2013 3:15:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	**9H-Carbazole**	**3.7**	**ug/L**		5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	U	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	**Naphthalene, 1-methyl-**	**3.4 ug/L**		5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	76 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	68 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	78 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	47 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	69 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	60 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	79 %Rec		5/20/13	1
1719068	Anthracene-D10	85 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	86 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	71 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	76 %Rec		5/20/13	1
1718521	D10-Pyrene	96 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	73 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	82 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	73 %Rec		5/20/13	1
4165622	Phenol-d5	65 %Rec		5/20/13	1

Sample : 13184009

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	**1,1'-Biphenyl**	**7.2**	**ug/L**	J	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	UJ	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.1	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.1	ug/L	UJ	5/21/13	1
88062	2,4,6-Trichlorophenol	2.1	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.2	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.1	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	UJ	5/21/13	1
99092	3-Nitroaniline	2.1	ug/L	UJ	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.2	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.1	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	**4-Nitroaniline**	**2.5**	**ug/L**	J	5/21/13	1
100027	4-Nitrophenol	4.2	ug/L	UJ	5/21/13	1
86748	**9H-Carbazole**	**14**	**ug/L**		5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.1	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.1	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	UJ	5/21/13	1
105602	Caprolactam	2.1	ug/L	UJ	5/21/13	1
132649	**Dibenzofuran**	**45**	**ug/L**		5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.1	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.1 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	**Naphthalene, 1-methyl-**	**56 ug/L**		5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.1 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	84 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	76 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	80 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	84 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	75 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	71 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	82 %Rec		5/21/13	1
1719068	Anthracene-D10	81 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	79 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	84 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	81 %Rec		5/21/13	1
1718521	D10-Pyrene	89 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	78 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	82 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	87 %Rec		5/21/13	1
4165622	Phenol-d5	71 %Rec		5/21/13	1

Sample : 13184010

Description : MW50-0513
Matrix : Water
Collected : 5/7/2013 10:30:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	**1,1'-Biphenyl**	**6.7**	**ug/L**		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.1	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.1	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.1	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.2	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.1	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.1	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.2	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.1	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.2	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.2	ug/L	U	5/21/13	1
86748	**9H-Carbazole**	**14**	**ug/L**		5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.1	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.1	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.1	ug/L	UJ	5/21/13	1
132649	**Dibenzofuran**	**39**	**ug/L**		5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.1	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.1 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	**Naphthalene, 1-methyl-**	**55 ug/L**		5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.1 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	84 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	78 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	79 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	74 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	76 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	72 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	81 %Rec		5/21/13	1
1719068	Anthracene-D10	84 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	81 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	80 %Rec		5/21/13	1
1718521	D10-Pyrene	92 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	78 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	83 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	86 %Rec		5/21/13	1
4165622	Phenol-d5	74 %Rec		5/21/13	1

Sample : 13184011

Description : CW05-0513
Matrix : Water
Collected : 5/7/2013 10:25:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	**1,1'-Biphenyl**	**9.9**	**ug/L**		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/21/13	1
86748	**9H-Carbazole**	**39**	**ug/L**		5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	**Benzaldehyde**	**1.2**	**ug/L**	J	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	**Dibenzofuran**	**45**	**ug/L**		5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	**Naphthalene, 1-methyl-**	**89 ug/L**		5/21/13	2
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	86 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	79 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	76 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	96 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	77 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	73 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	87 %Rec		5/21/13	1
1719068	Anthracene-D10	85 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	81 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	82 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	82 %Rec		5/21/13	1
1718521	D10-Pyrene	90 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	79 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	83 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	93 %Rec		5/21/13	1
4165622	Phenol-d5	74 %Rec		5/21/13	1

Sample : 13184012

Description : P4L-0513
Matrix : Water
Collected : 5/7/2013 3:00:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	83 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	76 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	59 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	51 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	73 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	62 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	80 %Rec		5/21/13	1
1719068	Anthracene-D10	78 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	78 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	81 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	76 %Rec		5/21/13	1
1718521	D10-Pyrene	87 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	73 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	79 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	79 %Rec		5/21/13	1
4165622	Phenol-d5	74 %Rec		5/21/13	1

Sample : 13184013

Description : VG3L-0513
Matrix : Water
Collected : 5/7/2013 12:25:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	84 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	78 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	52 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	62 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	77 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	60 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	80 %Rec		5/21/13	1
1719068	Anthracene-D10	77 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	74 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	74 %Rec		5/21/13	1
1718521	D10-Pyrene	88 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	77 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	82 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	82 %Rec		5/21/13	1
4165622	Phenol-d5	76 %Rec		5/21/13	1

Sample : 13184014

Description : 99CDMW02
Matrix : Water
Collected : 5/7/2013 12:50:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	87 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	76 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	50 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	64 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	78 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	55 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	81 %Rec		5/21/13	1
1719068	Anthracene-D10	73 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	72 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	82 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	77 %Rec		5/21/13	1
1718521	D10-Pyrene	85 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	78 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	80 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	82 %Rec		5/21/13	1
4165622	Phenol-d5	77 %Rec		5/21/13	1

Sample : 13184015

Description : P3L-0513
Matrix : Water
Collected : 5/8/2013 10:40:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	**9H-Carbazole**	**6.2**	**ug/L**		5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	**Dibenzofuran**	**1.9**	**ug/L**		5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	**Naphthalene, 1-methyl-**	**11 ug/L**		5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	82 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	75 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	72 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	43 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	73 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	64 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	79 %Rec		5/21/13	1
1719068	Anthracene-D10	80 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	82 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	79 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	79 %Rec		5/21/13	1
1718521	D10-Pyrene	88 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	73 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	78 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	79 %Rec		5/21/13	1
4165622	Phenol-d5	71 %Rec		5/21/13	1

Sample : 13184016

Description : MW70-0513
Matrix : Water
Collected : 5/8/2013 11:00:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.1	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.1	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.1	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.2	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.1	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.1	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.2	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.1	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.2	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.2	ug/L	U	5/21/13	1
86748	**9H-Carbazole**	**8.3**	**ug/L**		5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.1	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.1	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.1	ug/L	UJ	5/21/13	1
132649	**Dibenzofuran**	**2.0**	**ug/L**		5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.1	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.1 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	**Naphthalene, 1-methyl-**	**11 ug/L**		5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.1 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	81 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	75 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	76 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	45 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	72 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	68 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	77 %Rec		5/21/13	1
1719068	Anthracene-D10	80 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	81 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	80 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	78 %Rec		5/21/13	1
1718521	D10-Pyrene	88 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	75 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	79 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	82 %Rec		5/21/13	1
4165622	Phenol-d5	69 %Rec		5/21/13	1

Sample : 13184017

Description : 99CDMW04-0513
Matrix : Water
Collected : 5/8/2013 11:35:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	80 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	72 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	59 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	56 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	70 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	63 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	77 %Rec		5/21/13	1
1719068	Anthracene-D10	73 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	76 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	77 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	74 %Rec		5/21/13	1
1718521	D10-Pyrene	82 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	73 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	74 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	77 %Rec		5/21/13	1
4165622	Phenol-d5	73 %Rec		5/21/13	1

Sample : 13184018

Description : CW12-0513
Matrix : Water
Collected : 5/8/2013 2:38:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	76 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	68 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	58 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	62 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	67 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	63 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	74 %Rec		5/21/13	1
1719068	Anthracene-D10	77 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	79 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	69 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	72 %Rec		5/21/13	1
1718521	D10-Pyrene	85 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	68 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	73 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	73 %Rec		5/21/13	1
4165622	Phenol-d5	61 %Rec		5/21/13	1

Sample : 13184019

Description : VG5L-0513
Matrix : Water
Collected : 5/8/2013 3:42:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	75 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	70 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	52 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	56 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	71 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	56 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	76 %Rec		5/21/13	1
1719068	Anthracene-D10	74 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	76 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	74 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	73 %Rec		5/21/13	1
1718521	D10-Pyrene	85 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	71 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	77 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	72 %Rec		5/21/13	1
4165622	Phenol-d5	69 %Rec		5/21/13	1

Sample : 13184020

Description : P5L-0513
Matrix : Water
Collected : 5/7/2013 3:20:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	78 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	70 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	50 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	68 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	71 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	58 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	77 %Rec		5/21/13	1
1719068	Anthracene-D10	72 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	72 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	77 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	74 %Rec		5/21/13	1
1718521	D10-Pyrene	85 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	70 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	74 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	74 %Rec		5/21/13	1
4165622	Phenol-d5	70 %Rec		5/21/13	1

Sample : 13184021

Description : VG4L-0513
Matrix : Water
Collected : 5/7/2013 4:15:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	68 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	63 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	51 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	64 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	64 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	58 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	67 %Rec		5/21/13	1
1719068	Anthracene-D10	71 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	74 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	65 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	67 %Rec		5/21/13	1
1718521	D10-Pyrene	82 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	63 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	71 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	64 %Rec		5/21/13	1
4165622	Phenol-d5	59 %Rec		5/21/13	1

Sample : 13184022

Description : P6L-0513
Matrix : Water
Collected : 5/8/2013 3:00:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.1	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.1	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.1	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/21/13	1
121142	2,4-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.1	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.1	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.1	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.1	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.1	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.1	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.1	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.1	ug/L	UJ	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.1	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/21/13	1
77474	Hexachlorocyclopentadiene	2.1 ug/L	UJ	5/21/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.1 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	77 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	69 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	44 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	48 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	68 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	54 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	76 %Rec		5/21/13	1
1719068	Anthracene-D10	73 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	73 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	76 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	73 %Rec		5/21/13	1
1718521	D10-Pyrene	81 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	69 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	71 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	74 %Rec		5/21/13	1
4165622	Phenol-d5	68 %Rec		5/21/13	1

Sample : 13184023

Description : MW21-0513
Matrix : Water
Collected : 5/9/2013 2:40:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	87 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	77 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	73 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	33 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	79 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	63 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	86 %Rec		5/20/13	1
1719068	Anthracene-D10	80 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	79 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	85 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	81 %Rec		5/20/13	1
1718521	D10-Pyrene	91 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	78 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	80 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	82 %Rec		5/20/13	1
4165622	Phenol-d5	79 %Rec		5/20/13	1

Sample : 13184024

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	UJ	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	UJ	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	96 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	83 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	70 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	47 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	86 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	63 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	91 %Rec		5/20/13	1
1719068	Anthracene-D10	85 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	85 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	86 %Rec		5/20/13	1
1718521	D10-Pyrene	99 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	85 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	86 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	89 %Rec		5/20/13	1
4165622	Phenol-d5	87 %Rec		5/20/13	1

Sample : 13184025

Description : PZ09-0513
Matrix : Water
Collected : 5/9/2013 1:15:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	94 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	80 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	71 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	54 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	82 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	58 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	88 %Rec		5/20/13	1
1719068	Anthracene-D10	85 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	87 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	84 %Rec		5/20/13	1
1718521	D10-Pyrene	94 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	82 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	84 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	86 %Rec		5/20/13	1
4165622	Phenol-d5	78 %Rec		5/20/13	1

Sample : 13184026

Description : PZ11-0513
Matrix : Water
Collected : 5/9/2013 1:05:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	**1,1'-Biphenyl**	**4.9**	**ug/L**		5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	**9H-Carbazole**	**14**	**ug/L**		5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	UJ	5/20/13	1
132649	**Dibenzofuran**	**16**	**ug/L**		5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	**Naphthalene, 1-methyl-**	**10 ug/L**		5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	91 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	82 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	80 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	46 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	81 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	63 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	90 %Rec		5/20/13	1
1719068	Anthracene-D10	80 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	77 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	83 %Rec		5/20/13	1
1718521	D10-Pyrene	88 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	84 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	87 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	90 %Rec		5/20/13	1
4165622	Phenol-d5	86 %Rec		5/20/13	1

Sample : 13184027

Description : CW01-0513
Matrix : Water
Collected : 5/9/2013 10:50:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.1	ug/L	UJ	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.1	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	UJ	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.1	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.1	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	**Caprolactam**	**2.7**	**ug/L**	J	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	2.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0 ug/L	UJ	5/20/13	1
67721	Hexachloroethane	1.0 ug/L	UJ	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	77 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	66 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	72 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	55 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	71 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	64 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	77 %Rec		5/20/13	1
1719068	Anthracene-D10	74 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	73 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	71 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	73 %Rec		5/20/13	1
1718521	D10-Pyrene	86 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	70 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	78 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	73 %Rec		5/20/13	1
4165622	Phenol-d5	71 %Rec		5/20/13	1

Sample : 13184009 Matrix Spike

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	69	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	60	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	66	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	68	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	62	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	78	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	77	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	93	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	83	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	76	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	78	%Rec		5/21/13	1
91587	2-Chloronaphthalene	71	%Rec		5/21/13	1
95578	2-Chlorophenol	79	%Rec		5/21/13	1
88744	2-Nitroaniline	76	%Rec		5/21/13	1
88755	2-Nitrophenol	78	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	54	%Rec		5/21/13	1
99092	3-Nitroaniline	64	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	81	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	79	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	71	%Rec		5/21/13	1
106478	4-Chloroaniline	38	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	70	%Rec		5/21/13	1
106445	4-Methylphenol	73	%Rec		5/21/13	1
100016	4-Nitroaniline	74	%Rec		5/21/13	1
100027	4-Nitrophenol	74	%Rec		5/21/13	1
86748	9H-Carbazole	70	%Rec		5/21/13	1
1912249	Atrazine	85	%Rec		5/21/13	1
100527	Benzaldehyde	98	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	76	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	76	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	78	%Rec		5/21/13	1
85687	Butylbenzylphthalate	84	%Rec		5/21/13	1
58082	Caffeine	60	%Rec		5/21/13	1
105602	Caprolactam	15	%Rec		5/21/13	1
132649	Dibenzofuran			NA	5/21/13	1
84662	Diethyl phthalate	80	%Rec		5/21/13	1
131113	Dimethylphthalate	81	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	86	%Rec		5/21/13	1
117840	Di-n-octylphthalate	80	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	81	%Rec		5/21/13	1
118741	Hexachlorobenzene	74	%Rec		5/21/13	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	45	%Rec		5/21/13	1
77474	Hexachlorocyclopentadiene	18	%Rec		5/21/13	1
67721	Hexachloroethane	70	%Rec		5/21/13	1
78591	Isophorone	77	%Rec		5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	80	%Rec		5/21/13	1
90120	Naphthalene, 1-methyl-			NA	5/21/13	1
98953	Nitrobenzene	84	%Rec		5/21/13	1
621647	N-Nitrosodinpropylamine	74	%Rec		5/21/13	1
86306	n-Nitrosodiphenylamine	90	%Rec		5/21/13	1
108952	Phenol	72	%Rec		5/21/13	1
95487	Phenol, 2-methyl-	84	%Rec		5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	78	%Rec		5/21/13	1
93951781	2-Nitrophenol-D4	75	%Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	84	%Rec		5/21/13	1
191656334	4-Chloroaniline-D4	76	%Rec		5/21/13	1
190780666	4-Methylphenol-D8	74	%Rec		5/21/13	1
93951792	4-Nitrophenol-D4	78	%Rec		5/21/13	1
93951974	Acenaphthylene-D8	76	%Rec		5/21/13	1
1719068	Anthracene-D10	75	%Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	72	%Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	75	%Rec		5/21/13	1
81103799	D10-Fluorene (SS)	73	%Rec		5/21/13	1
1718521	D10-Pyrene	81	%Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	75	%Rec		5/21/13	1
93951894	Dimethylphthalate-D6	74	%Rec		5/21/13	1
4165600	Nitrobenzene-d5	83	%Rec		5/21/13	1
4165622	Phenol-d5	73	%Rec		5/21/13	1

Sample : 13184024 Matrix Spike

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	75	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	60	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	67	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	88	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	78	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	93	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	94	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	112	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	103	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	92	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	89	%Rec		5/21/13	1
91587	2-Chloronaphthalene	75	%Rec		5/21/13	1
95578	2-Chlorophenol	98	%Rec		5/21/13	1
88744	2-Nitroaniline	92	%Rec		5/21/13	1
88755	2-Nitrophenol	94	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	64	%Rec		5/21/13	1
99092	3-Nitroaniline	82	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	95	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	81	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	87	%Rec		5/21/13	1
106478	4-Chloroaniline	47	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	74	%Rec		5/21/13	1
106445	4-Methylphenol	91	%Rec		5/21/13	1
100016	4-Nitroaniline	98	%Rec		5/21/13	1
100027	4-Nitrophenol	81	%Rec		5/21/13	1
86748	9H-Carbazole	88	%Rec		5/21/13	1
1912249	Atrazine	97	%Rec		5/21/13	1
100527	Benzaldehyde	113	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	92	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	90	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	78	%Rec		5/21/13	1
85687	Butylbenzylphthalate	84	%Rec		5/21/13	1
58082	Caffeine	74	%Rec		5/21/13	1
105602	Caprolactam	14	%Rec		5/21/13	1
132649	Dibenzofuran	79	%Rec		5/21/13	1
84662	Diethyl phthalate	96	%Rec		5/21/13	1
131113	Dimethylphthalate	97	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	88	%Rec		5/21/13	1
117840	Di-n-octylphthalate	74	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	91	%Rec		5/21/13	1
118741	Hexachlorobenzene	72	%Rec		5/21/13	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	46	%Rec	5/21/13	1
77474	Hexachlorocyclopentadiene	50	%Rec	5/21/13	1
67721	Hexachloroethane	65	%Rec	5/21/13	1
78591	Isophorone	93	%Rec	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	96	%Rec	5/21/13	1
90120	Naphthalene, 1-methyl-	73	%Rec	5/21/13	1
98953	Nitrobenzene	96	%Rec	5/21/13	1
621647	N-Nitrosodinpropylamine	88	%Rec	5/21/13	1
86306	n-Nitrosodiphenylamine	97	%Rec	5/21/13	1
108952	Phenol	91	%Rec	5/21/13	1
95487	Phenol, 2-methyl-	103	%Rec	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	96	%Rec	5/21/13	1
93951781	2-Nitrophenol-D4	89	%Rec	5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	97	%Rec	5/21/13	1
191656334	4-Chloroaniline-D4	45	%Rec	5/21/13	1
190780666	4-Methylphenol-D8	86	%Rec	5/21/13	1
93951792	4-Nitrophenol-D4	82	%Rec	5/21/13	1
93951974	Acenaphthylene-D8	91	%Rec	5/21/13	1
1719068	Anthracene-D10	80	%Rec	5/21/13	1
63466717	Benzo[a]pyrene-D12	75	%Rec	5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	89	%Rec	5/21/13	1
81103799	D10-Fluorene (SS)	84	%Rec	5/21/13	1
1718521	D10-Pyrene	87	%Rec	5/21/13	1
93951747	d3-2,4-Dichlorophenol	90	%Rec	5/21/13	1
93951894	Dimethylphthalate-D6	88	%Rec	5/21/13	1
4165600	Nitrobenzene-d5	90	%Rec	5/21/13	1
4165622	Phenol-d5	87	%Rec	5/21/13	1

Sample : 13184009 Matrix Spike#2

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	62	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	52	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	59	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	68	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	63	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	76	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	79	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	94	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	84	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	77	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	77	%Rec		5/21/13	1
91587	2-Chloronaphthalene	66	%Rec		5/21/13	1
95578	2-Chlorophenol	77	%Rec		5/21/13	1
88744	2-Nitroaniline	79	%Rec		5/21/13	1
88755	2-Nitrophenol	79	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	45	%Rec		5/21/13	1
99092	3-Nitroaniline	59	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	78	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	77	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	73	%Rec		5/21/13	1
106478	4-Chloroaniline	33	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	68	%Rec		5/21/13	1
106445	4-Methylphenol	71	%Rec		5/21/13	1
100016	4-Nitroaniline	74	%Rec		5/21/13	1
100027	4-Nitrophenol	63	%Rec		5/21/13	1
86748	9H-Carbazole	66	%Rec		5/21/13	1
1912249	Atrazine	85	%Rec		5/21/13	1
100527	Benzaldehyde	92	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	75	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	73	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	83	%Rec		5/21/13	1
85687	Butylbenzylphthalate	85	%Rec		5/21/13	1
58082	Caffeine	62	%Rec		5/21/13	1
105602	Caprolactam	13	%Rec		5/21/13	1
132649	Dibenzofuran			NA	5/21/13	1
84662	Diethyl phthalate	80	%Rec		5/21/13	1
131113	Dimethylphthalate	80	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	84	%Rec		5/21/13	1
117840	Di-n-octylphthalate	79	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	79	%Rec		5/21/13	1
118741	Hexachlorobenzene	72	%Rec		5/21/13	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	34 %Rec		5/21/13	1
77474	Hexachlorocyclopentadiene	19 %Rec		5/21/13	1
67721	Hexachloroethane	52 %Rec		5/21/13	1
78591	Isophorone	77 %Rec		5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	79 %Rec		5/21/13	1
90120	Naphthalene, 1-methyl-		NA	5/21/13	1
98953	Nitrobenzene	84 %Rec		5/21/13	1
621647	N-Nitrosodinpropylamine	74 %Rec		5/21/13	1
86306	n-Nitrosodiphenylamine	90 %Rec		5/21/13	1
108952	Phenol	69 %Rec		5/21/13	1
95487	Phenol, 2-methyl-	84 %Rec		5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	78 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	76 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	82 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	68 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	71 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	70 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	75 %Rec		5/21/13	1
1719068	Anthracene-D10	74 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	73 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	73 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	72 %Rec		5/21/13	1
1718521	D10-Pyrene	81 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	77 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	77 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	82 %Rec		5/21/13	1
4165622	Phenol-d5	70 %Rec		5/21/13	1

Sample : 13184024 Matrix Spike#2

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535 - Solid Phase Extraction
Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	74	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	62	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	69	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	86	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	75	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	90	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	91	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	110	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	102	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	89	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	89	%Rec		5/21/13	1
91587	2-Chloronaphthalene	75	%Rec		5/21/13	1
95578	2-Chlorophenol	95	%Rec		5/21/13	1
88744	2-Nitroaniline	90	%Rec		5/21/13	1
88755	2-Nitrophenol	92	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	67	%Rec		5/21/13	1
99092	3-Nitroaniline	80	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	91	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	91	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	88	%Rec		5/21/13	1
106478	4-Chloroaniline	48	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	79	%Rec		5/21/13	1
106445	4-Methylphenol	90	%Rec		5/21/13	1
100016	4-Nitroaniline	98	%Rec		5/21/13	1
100027	4-Nitrophenol	79	%Rec		5/21/13	1
86748	9H-Carbazole	88	%Rec		5/21/13	1
1912249	Atrazine	96	%Rec		5/21/13	1
100527	Benzaldehyde	107	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	89	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	85	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	93	%Rec		5/21/13	1
85687	Butylbenzylphthalate	98	%Rec		5/21/13	1
58082	Caffeine	72	%Rec		5/21/13	1
105602	Caprolactam	14	%Rec		5/21/13	1
132649	Dibenzofuran	80	%Rec		5/21/13	1
84662	Diethyl phthalate	94	%Rec		5/21/13	1
131113	Dimethylphthalate	95	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	96	%Rec		5/21/13	1
117840	Di-n-octylphthalate	89	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	88	%Rec		5/21/13	1
118741	Hexachlorobenzene	86	%Rec		5/21/13	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	48	%Rec	5/21/13	1
77474	Hexachlorocyclopentadiene	55	%Rec	5/21/13	1
67721	Hexachloroethane	66	%Rec	5/21/13	1
78591	Isophorone	91	%Rec	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	94	%Rec	5/21/13	1
90120	Naphthalene, 1-methyl-	72	%Rec	5/21/13	1
98953	Nitrobenzene	91	%Rec	5/21/13	1
621647	N-Nitrosodinpropylamine	88	%Rec	5/21/13	1
86306	n-Nitrosodiphenylamine	98	%Rec	5/21/13	1
108952	Phenol	91	%Rec	5/21/13	1
95487	Phenol, 2-methyl-	101	%Rec	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	97	%Rec	5/21/13	1
93951781	2-Nitrophenol-D4	92	%Rec	5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	96	%Rec	5/21/13	1
191656334	4-Chloroaniline-D4	48	%Rec	5/21/13	1
190780666	4-Methylphenol-D8	92	%Rec	5/21/13	1
93951792	4-Nitrophenol-D4	85	%Rec	5/21/13	1
93951974	Acenaphthylene-D8	91	%Rec	5/21/13	1
1719068	Anthracene-D10	86	%Rec	5/21/13	1
63466717	Benzo[a]pyrene-D12	87	%Rec	5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	93	%Rec	5/21/13	1
81103799	D10-Fluorene (SS)	85	%Rec	5/21/13	1
1718521	D10-Pyrene	99	%Rec	5/21/13	1
93951747	d3-2,4-Dichlorophenol	92	%Rec	5/21/13	1
93951894	Dimethylphthalate-D6	92	%Rec	5/21/13	1
4165600	Nitrobenzene-d5	92	%Rec	5/21/13	1
4165622	Phenol-d5	89	%Rec	5/21/13	1

Sample : 74W050813B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	U	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	U	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	U	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1
87683	Hexachlorobutadiene	1.0	ug/L	U	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	90 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	77 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	56 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	61 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	82 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	55 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	89 %Rec		5/20/13	1
1719068	Anthracene-D10	82 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	82 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	84 %Rec		5/20/13	1
1718521	D10-Pyrene	92 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	80 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	82 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	86 %Rec		5/20/13	1
4165622	Phenol-d5	76 %Rec		5/20/13	1

Sample : 74W051013B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/21/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/21/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/21/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/21/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/21/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/21/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	U	5/21/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/21/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/21/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/21/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/21/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/21/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/21/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/21/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/21/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/21/13	1
106478	4-Chloroaniline	1.0	ug/L	U	5/21/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/21/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/21/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/21/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/21/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/21/13	1
1912249	Atrazine	1.0	ug/L	U	5/21/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/21/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/21/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/21/13	1
58082	Caffeine	1.0	ug/L	U	5/21/13	1
105602	Caprolactam	2.0	ug/L	U	5/21/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/21/13	1
84662	Diethyl phthalate	2.0	ug/L	U	5/21/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/21/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/21/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/21/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/21/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/21/13	1
87683	Hexachlorobutadiene	1.0	ug/L	U	5/21/13	1
77474	Hexachlorocyclopentadiene	2.0	ug/L	U	5/21/13	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	5/21/13	1
78591	Isophorone	1.0 ug/L	U	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/21/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/21/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/21/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/21/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	5/21/13	1
108952	Phenol	1.0 ug/L	U	5/21/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	89 %Rec		5/21/13	1
93951781	2-Nitrophenol-D4	76 %Rec		5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	52 %Rec		5/21/13	1
191656334	4-Chloroaniline-D4	69 %Rec		5/21/13	1
190780666	4-Methylphenol-D8	78 %Rec		5/21/13	1
93951792	4-Nitrophenol-D4	55 %Rec		5/21/13	1
93951974	Acenaphthylene-D8	85 %Rec		5/21/13	1
1719068	Anthracene-D10	83 %Rec		5/21/13	1
63466717	Benzo[a]pyrene-D12	83 %Rec		5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	84 %Rec		5/21/13	1
81103799	D10-Fluorene (SS)	83 %Rec		5/21/13	1
1718521	D10-Pyrene	94 %Rec		5/21/13	1
93951747	d3-2,4-Dichlorophenol	79 %Rec		5/21/13	1
93951894	Dimethylphthalate-D6	81 %Rec		5/21/13	1
4165600	Nitrobenzene-d5	83 %Rec		5/21/13	1
4165622	Phenol-d5	80 %Rec		5/21/13	1

Sample : 74W051313B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
92524	1,1'-Biphenyl	1.0	ug/L	U	5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	5/20/13	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	2.0	ug/L	U	5/20/13	1
95954	2,4,5-Trichlorophenol	2.0	ug/L	U	5/20/13	1
88062	2,4,6-Trichlorophenol	2.0	ug/L	U	5/20/13	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	5/20/13	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	5/20/13	1
51285	2,4-Dinitrophenol	4.0	ug/L	U	5/20/13	1
121142	2,4-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
606202	2,6-Dinitrotoluene	2.0	ug/L	U	5/20/13	1
91587	2-Chloronaphthalene	1.0	ug/L	U	5/20/13	1
95578	2-Chlorophenol	1.0	ug/L	U	5/20/13	1
88744	2-Nitroaniline	2.0	ug/L	U	5/20/13	1
88755	2-Nitrophenol	1.0	ug/L	U	5/20/13	1
91941	3,3'-Dichlorobenzidine	1.0	ug/L	U	5/20/13	1
99092	3-Nitroaniline	2.0	ug/L	U	5/20/13	1
534521	4,6-Dinitro-2-methylphenol	4.0	ug/L	U	5/20/13	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
59507	4-Chloro-3-methylphenol	2.0	ug/L	U	5/20/13	1
106478	4-Chloroaniline	1.0	ug/L	U	5/20/13	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	5/20/13	1
106445	4-Methylphenol	1.0	ug/L	U	5/20/13	1
100016	4-Nitroaniline	4.0	ug/L	U	5/20/13	1
100027	4-Nitrophenol	4.0	ug/L	U	5/20/13	1
86748	9H-Carbazole	1.0	ug/L	U	5/20/13	1
1912249	Atrazine	1.0	ug/L	U	5/20/13	1
100527	Benzaldehyde	2.0	ug/L	U	5/20/13	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	2.0	ug/L	U	5/20/13	1
85687	Butylbenzylphthalate	2.0	ug/L	U	5/20/13	1
58082	Caffeine	1.0	ug/L	U	5/20/13	1
105602	Caprolactam	2.0	ug/L	U	5/20/13	1
132649	Dibenzofuran	1.0	ug/L	U	5/20/13	1
84662	Diethyl phthalate	1.0	ug/L	U	5/20/13	1
131113	Dimethylphthalate	1.0	ug/L	U	5/20/13	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	5/20/13	1
117840	Di-n-octylphthalate	2.0	ug/L	U	5/20/13	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	5/20/13	1
118741	Hexachlorobenzene	1.0	ug/L	U	5/20/13	1
87683	Hexachlorobutadiene	1.0	ug/L	U	5/20/13	1
77474	Hexachlorocyclopentadiene	2.0	ug/L	U	5/20/13	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	5/20/13	1
78591	Isophorone	1.0 ug/L	U	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	5/20/13	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	5/20/13	1
98953	Nitrobenzene	1.0 ug/L	U	5/20/13	1
621647	N-Nitrosodinpropylamine	2.0 ug/L	U	5/20/13	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	5/20/13	1
108952	Phenol	1.0 ug/L	U	5/20/13	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	96 %Rec		5/20/13	1
93951781	2-Nitrophenol-D4	84 %Rec		5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	67 %Rec		5/20/13	1
191656334	4-Chloroaniline-D4	65 %Rec		5/20/13	1
190780666	4-Methylphenol-D8	85 %Rec		5/20/13	1
93951792	4-Nitrophenol-D4	62 %Rec		5/20/13	1
93951974	Acenaphthylene-D8	94 %Rec		5/20/13	1
1719068	Anthracene-D10	91 %Rec		5/20/13	1
63466717	Benzo[a]pyrene-D12	90 %Rec		5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec		5/20/13	1
81103799	D10-Fluorene (SS)	91 %Rec		5/20/13	1
1718521	D10-Pyrene	103 %Rec		5/20/13	1
93951747	d3-2,4-Dichlorophenol	85 %Rec		5/20/13	1
93951894	Dimethylphthalate-D6	88 %Rec		5/20/13	1
4165600	Nitrobenzene-d5	90 %Rec		5/20/13	1
4165622	Phenol-d5	87 %Rec		5/20/13	1

Sample : 74W050813L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	87	%Rec		5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	78	%Rec		5/20/13	1
120821	1,2,4-Trichlorobenzene	83	%Rec		5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	88	%Rec		5/20/13	1
95954	2,4,5-Trichlorophenol	76	%Rec		5/20/13	1
88062	2,4,6-Trichlorophenol	89	%Rec		5/20/13	1
120832	2,4-Dichlorophenol	88	%Rec		5/20/13	1
105679	2,4-Dimethylphenol	102	%Rec		5/20/13	1
51285	2,4-Dinitrophenol	82	%Rec		5/20/13	1
121142	2,4-Dinitrotoluene	88	%Rec		5/20/13	1
606202	2,6-Dinitrotoluene	85	%Rec		5/20/13	1
91587	2-Chloronaphthalene	85	%Rec		5/20/13	1
95578	2-Chlorophenol	95	%Rec		5/20/13	1
88744	2-Nitroaniline	86	%Rec		5/20/13	1
88755	2-Nitrophenol	88	%Rec		5/20/13	1
91941	3,3'-Dichlorobenzidine	72	%Rec		5/20/13	1
99092	3-Nitroaniline	78	%Rec		5/20/13	1
534521	4,6-Dinitro-2-methylphenol	88	%Rec		5/20/13	1
101553	4-Bromophenyl-Phenylether	89	%Rec		5/20/13	1
59507	4-Chloro-3-methylphenol	82	%Rec		5/20/13	1
106478	4-Chloroaniline	47	%Rec		5/20/13	1
7005723	4-Chlorophenyl-Phenylether	83	%Rec		5/20/13	1
106445	4-Methylphenol	85	%Rec		5/20/13	1
100016	4-Nitroaniline	95	%Rec		5/20/13	1
100027	4-Nitrophenol	82	%Rec		5/20/13	1
86748	9H-Carbazole	92	%Rec		5/20/13	1
1912249	Atrazine	94	%Rec		5/20/13	1
100527	Benzaldehyde	112	%Rec		5/20/13	1
111444	bis(2-Chloroethyl)ether	89	%Rec		5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	89	%Rec		5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	92	%Rec		5/20/13	1
85687	Butylbenzylphthalate	93	%Rec		5/20/13	1
58082	Caffeine	70	%Rec		5/20/13	1
105602	Caprolactam	13	%Rec		5/20/13	1
132649	Dibenzofuran	84	%Rec		5/20/13	1
84662	Diethyl phthalate	91	%Rec		5/20/13	1
131113	Dimethylphthalate	91	%Rec		5/20/13	1
84742	Di-n-Butylphthalate	96	%Rec		5/20/13	1
117840	Di-n-octylphthalate	86	%Rec		5/20/13	1
98862	Ethanone, 1-phenyl-	89	%Rec		5/20/13	1
118741	Hexachlorobenzene	87	%Rec		5/20/13	1
87683	Hexachlorobutadiene	64	%Rec		5/20/13	1
77474	Hexachlorocyclopentadiene	68	%Rec		5/20/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	77 %Rec	5/20/13	1
78591	Isophorone	87 %Rec	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	91 %Rec	5/20/13	1
90120	Naphthalene, 1-methyl-	85 %Rec	5/20/13	1
98953	Nitrobenzene	93 %Rec	5/20/13	1
621647	N-Nitrosodinpropylamine	84 %Rec	5/20/13	1
86306	n-Nitrosodiphenylamine	96 %Rec	5/20/13	1
108952	Phenol	84 %Rec	5/20/13	1
95487	Phenol, 2-methyl-	96 %Rec	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	93 %Rec	5/20/13	1
93951781	2-Nitrophenol-D4	80 %Rec	5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	92 %Rec	5/20/13	1
191656334	4-Chloroaniline-D4	44 %Rec	5/20/13	1
190780666	4-Methylphenol-D8	86 %Rec	5/20/13	1
93951792	4-Nitrophenol-D4	84 %Rec	5/20/13	1
93951974	Acenaphthylene-D8	91 %Rec	5/20/13	1
1719068	Anthracene-D10	86 %Rec	5/20/13	1
63466717	Benzo[a]pyrene-D12	88 %Rec	5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	88 %Rec	5/20/13	1
81103799	D10-Fluorene (SS)	85 %Rec	5/20/13	1
1718521	D10-Pyrene	97 %Rec	5/20/13	1
93951747	d3-2,4-Dichlorophenol	87 %Rec	5/20/13	1
93951894	Dimethylphthalate-D6	84 %Rec	5/20/13	1
4165600	Nitrobenzene-d5	87 %Rec	5/20/13	1
4165622	Phenol-d5	81 %Rec	5/20/13	1

Sample : 74W051013L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	81	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	69	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	76	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	83	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	74	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	87	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	83	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	95	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	65	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	84	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	83	%Rec		5/21/13	1
91587	2-Chloronaphthalene	80	%Rec		5/21/13	1
95578	2-Chlorophenol	87	%Rec		5/21/13	1
88744	2-Nitroaniline	81	%Rec		5/21/13	1
88755	2-Nitrophenol	84	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	78	%Rec		5/21/13	1
99092	3-Nitroaniline	75	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	76	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	84	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	78	%Rec		5/21/13	1
106478	4-Chloroaniline	41	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	77	%Rec		5/21/13	1
106445	4-Methylphenol	82	%Rec		5/21/13	1
100016	4-Nitroaniline	90	%Rec		5/21/13	1
100027	4-Nitrophenol	71	%Rec		5/21/13	1
86748	9H-Carbazole	84	%Rec		5/21/13	1
1912249	Atrazine	86	%Rec		5/21/13	1
100527	Benzaldehyde	103	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	82	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	82	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	85	%Rec		5/21/13	1
85687	Butylbenzylphthalate	89	%Rec		5/21/13	1
58082	Caffeine	63	%Rec		5/21/13	1
105602	Caprolactam	12	%Rec		5/21/13	1
132649	Dibenzofuran	78	%Rec		5/21/13	1
84662	Diethyl phthalate	87	%Rec		5/21/13	1
131113	Dimethylphthalate	88	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	89	%Rec		5/21/13	1
117840	Di-n-octylphthalate	78	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	84	%Rec		5/21/13	1
118741	Hexachlorobenzene	76	%Rec		5/21/13	1
87683	Hexachlorobutadiene	53	%Rec		5/21/13	1
77474	Hexachlorocyclopentadiene	61	%Rec		5/21/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	64 %Rec	5/21/13	1
78591	Isophorone	83 %Rec	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	86 %Rec	5/21/13	1
90120	Naphthalene, 1-methyl-	79 %Rec	5/21/13	1
98953	Nitrobenzene	86 %Rec	5/21/13	1
621647	N-Nitrosodinpropylamine	78 %Rec	5/21/13	1
86306	n-Nitrosodiphenylamine	90 %Rec	5/21/13	1
108952	Phenol	84 %Rec	5/21/13	1
95487	Phenol, 2-methyl-	91 %Rec	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	90 %Rec	5/21/13	1
93951781	2-Nitrophenol-D4	82 %Rec	5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	82 %Rec	5/21/13	1
191656334	4-Chloroaniline-D4	41 %Rec	5/21/13	1
190780666	4-Methylphenol-D8	83 %Rec	5/21/13	1
93951792	4-Nitrophenol-D4	79 %Rec	5/21/13	1
93951974	Acenaphthylene-D8	88 %Rec	5/21/13	1
1719068	Anthracene-D10	83 %Rec	5/21/13	1
63466717	Benzo[a]pyrene-D12	83 %Rec	5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec	5/21/13	1
81103799	D10-Fluorene (SS)	83 %Rec	5/21/13	1
1718521	D10-Pyrene	91 %Rec	5/21/13	1
93951747	d3-2,4-Dichlorophenol	86 %Rec	5/21/13	1
93951894	Dimethylphthalate-D6	85 %Rec	5/21/13	1
4165600	Nitrobenzene-d5	87 %Rec	5/21/13	1
4165622	Phenol-d5	86 %Rec	5/21/13	1

Sample : 74W051313L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	84	%Rec		5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	72	%Rec		5/20/13	1
120821	1,2,4-Trichlorobenzene	77	%Rec		5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	89	%Rec		5/20/13	1
95954	2,4,5-Trichlorophenol	80	%Rec		5/20/13	1
88062	2,4,6-Trichlorophenol	91	%Rec		5/20/13	1
120832	2,4-Dichlorophenol	94	%Rec		5/20/13	1
105679	2,4-Dimethylphenol	109	%Rec		5/20/13	1
51285	2,4-Dinitrophenol	89	%Rec		5/20/13	1
121142	2,4-Dinitrotoluene	90	%Rec		5/20/13	1
606202	2,6-Dinitrotoluene	91	%Rec		5/20/13	1
91587	2-Chloronaphthalene	85	%Rec		5/20/13	1
95578	2-Chlorophenol	99	%Rec		5/20/13	1
88744	2-Nitroaniline	90	%Rec		5/20/13	1
88755	2-Nitrophenol	94	%Rec		5/20/13	1
91941	3,3'-Dichlorobenzidine	77	%Rec		5/20/13	1
99092	3-Nitroaniline	82	%Rec		5/20/13	1
534521	4,6-Dinitro-2-methylphenol	93	%Rec		5/20/13	1
101553	4-Bromophenyl-Phenylether	94	%Rec		5/20/13	1
59507	4-Chloro-3-methylphenol	88	%Rec		5/20/13	1
106478	4-Chloroaniline	40	%Rec		5/20/13	1
7005723	4-Chlorophenyl-Phenylether	84	%Rec		5/20/13	1
106445	4-Methylphenol	93	%Rec		5/20/13	1
100016	4-Nitroaniline	97	%Rec		5/20/13	1
100027	4-Nitrophenol	80	%Rec		5/20/13	1
86748	9H-Carbazole	93	%Rec		5/20/13	1
1912249	Atrazine	94	%Rec		5/20/13	1
100527	Benzaldehyde	111	%Rec		5/20/13	1
111444	bis(2-Chloroethyl)ether	91	%Rec		5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	92	%Rec		5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	98	%Rec		5/20/13	1
85687	Butylbenzylphthalate	99	%Rec		5/20/13	1
58082	Caffeine	74	%Rec		5/20/13	1
105602	Caprolactam	14	%Rec		5/20/13	1
132649	Dibenzofuran	86	%Rec		5/20/13	1
84662	Diethyl phthalate	95	%Rec		5/20/13	1
131113	Dimethylphthalate	96	%Rec		5/20/13	1
84742	Di-n-Butylphthalate	99	%Rec		5/20/13	1
117840	Di-n-octylphthalate	94	%Rec		5/20/13	1
98862	Ethanone, 1-phenyl-	89	%Rec		5/20/13	1
118741	Hexachlorobenzene	91	%Rec		5/20/13	1
87683	Hexachlorobutadiene	52	%Rec		5/20/13	1
77474	Hexachlorocyclopentadiene	67	%Rec		5/20/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	57 %Rec	5/20/13	1
78591	Isophorone	92 %Rec	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	97 %Rec	5/20/13	1
90120	Naphthalene, 1-methyl-	83 %Rec	5/20/13	1
98953	Nitrobenzene	97 %Rec	5/20/13	1
621647	N-Nitrosodinpropylamine	90 %Rec	5/20/13	1
86306	n-Nitrosodiphenylamine	100 %Rec	5/20/13	1
108952	Phenol	96 %Rec	5/20/13	1
95487	Phenol, 2-methyl-	100 %Rec	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	98 %Rec	5/20/13	1
93951781	2-Nitrophenol-D4	86 %Rec	5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	94 %Rec	5/20/13	1
191656334	4-Chloroaniline-D4	37 %Rec	5/20/13	1
190780666	4-Methylphenol-D8	89 %Rec	5/20/13	1
93951792	4-Nitrophenol-D4	86 %Rec	5/20/13	1
93951974	Acenaphthylene-D8	91 %Rec	5/20/13	1
1719068	Anthracene-D10	88 %Rec	5/20/13	1
63466717	Benzo[a]pyrene-D12	89 %Rec	5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec	5/20/13	1
81103799	D10-Fluorene (SS)	86 %Rec	5/20/13	1
1718521	D10-Pyrene	96 %Rec	5/20/13	1
93951747	d3-2,4-Dichlorophenol	89 %Rec	5/20/13	1
93951894	Dimethylphthalate-D6	88 %Rec	5/20/13	1
4165600	Nitrobenzene-d5	89 %Rec	5/20/13	1
4165622	Phenol-d5	90 %Rec	5/20/13	1

Sample : 74W050813L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	88	%Rec		5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	81	%Rec		5/20/13	1
120821	1,2,4-Trichlorobenzene	86	%Rec		5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	88	%Rec		5/20/13	1
95954	2,4,5-Trichlorophenol	80	%Rec		5/20/13	1
88062	2,4,6-Trichlorophenol	91	%Rec		5/20/13	1
120832	2,4-Dichlorophenol	91	%Rec		5/20/13	1
105679	2,4-Dimethylphenol	106	%Rec		5/20/13	1
51285	2,4-Dinitrophenol	87	%Rec		5/20/13	1
121142	2,4-Dinitrotoluene	90	%Rec		5/20/13	1
606202	2,6-Dinitrotoluene	90	%Rec		5/20/13	1
91587	2-Chloronaphthalene	89	%Rec		5/20/13	1
95578	2-Chlorophenol	94	%Rec		5/20/13	1
88744	2-Nitroaniline	88	%Rec		5/20/13	1
88755	2-Nitrophenol	92	%Rec		5/20/13	1
91941	3,3'-Dichlorobenzidine	71	%Rec		5/20/13	1
99092	3-Nitroaniline	80	%Rec		5/20/13	1
534521	4,6-Dinitro-2-methylphenol	86	%Rec		5/20/13	1
101553	4-Bromophenyl-Phenylether	93	%Rec		5/20/13	1
59507	4-Chloro-3-methylphenol	84	%Rec		5/20/13	1
106478	4-Chloroaniline	45	%Rec		5/20/13	1
7005723	4-Chlorophenyl-Phenylether	87	%Rec		5/20/13	1
106445	4-Methylphenol	89	%Rec		5/20/13	1
100016	4-Nitroaniline	93	%Rec		5/20/13	1
100027	4-Nitrophenol	79	%Rec		5/20/13	1
86748	9H-Carbazole	91	%Rec		5/20/13	1
1912249	Atrazine	96	%Rec		5/20/13	1
100527	Benzaldehyde	112	%Rec		5/20/13	1
111444	bis(2-Chloroethyl)ether	91	%Rec		5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	89	%Rec		5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	92	%Rec		5/20/13	1
85687	Butylbenzylphthalate	95	%Rec		5/20/13	1
58082	Caffeine	70	%Rec		5/20/13	1
105602	Caprolactam	14	%Rec		5/20/13	1
132649	Dibenzofuran	89	%Rec		5/20/13	1
84662	Diethyl phthalate	96	%Rec		5/20/13	1
131113	Dimethylphthalate	96	%Rec		5/20/13	1
84742	Di-n-Butylphthalate	98	%Rec		5/20/13	1
117840	Di-n-octylphthalate	88	%Rec		5/20/13	1
98862	Ethanone, 1-phenyl-	90	%Rec		5/20/13	1
118741	Hexachlorobenzene	87	%Rec		5/20/13	1
87683	Hexachlorobutadiene	68	%Rec		5/20/13	1
77474	Hexachlorocyclopentadiene	76	%Rec		5/20/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	77 %Rec	5/20/13	1
78591	Isophorone	91 %Rec	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	95 %Rec	5/20/13	1
90120	Naphthalene, 1-methyl-	87 %Rec	5/20/13	1
98953	Nitrobenzene	96 %Rec	5/20/13	1
621647	N-Nitrosodinpropylamine	88 %Rec	5/20/13	1
86306	n-Nitrosodiphenylamine	98 %Rec	5/20/13	1
108952	Phenol	86 %Rec	5/20/13	1
95487	Phenol, 2-methyl-	98 %Rec	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	96 %Rec	5/20/13	1
93951781	2-Nitrophenol-D4	87 %Rec	5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	91 %Rec	5/20/13	1
191656334	4-Chloroaniline-D4	45 %Rec	5/20/13	1
190780666	4-Methylphenol-D8	88 %Rec	5/20/13	1
93951792	4-Nitrophenol-D4	85 %Rec	5/20/13	1
93951974	Acenaphthylene-D8	93 %Rec	5/20/13	1
1719068	Anthracene-D10	88 %Rec	5/20/13	1
63466717	Benzo[a]pyrene-D12	88 %Rec	5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec	5/20/13	1
81103799	D10-Fluorene (SS)	88 %Rec	5/20/13	1
1718521	D10-Pyrene	97 %Rec	5/20/13	1
93951747	d3-2,4-Dichlorophenol	90 %Rec	5/20/13	1
93951894	Dimethylphthalate-D6	88 %Rec	5/20/13	1
4165600	Nitrobenzene-d5	89 %Rec	5/20/13	1
4165622	Phenol-d5	81 %Rec	5/20/13	1

Sample : 74W051013L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	81	%Rec		5/21/13	1
95943	1,2,4,5-Tetrachlorobenzene	69	%Rec		5/21/13	1
120821	1,2,4-Trichlorobenzene	79	%Rec		5/21/13	1
58902	2,3,4,6-Tetrachlorophenol	84	%Rec		5/21/13	1
95954	2,4,5-Trichlorophenol	73	%Rec		5/21/13	1
88062	2,4,6-Trichlorophenol	85	%Rec		5/21/13	1
120832	2,4-Dichlorophenol	86	%Rec		5/21/13	1
105679	2,4-Dimethylphenol	101	%Rec		5/21/13	1
51285	2,4-Dinitrophenol	70	%Rec		5/21/13	1
121142	2,4-Dinitrotoluene	84	%Rec		5/21/13	1
606202	2,6-Dinitrotoluene	85	%Rec		5/21/13	1
91587	2-Chloronaphthalene	79	%Rec		5/21/13	1
95578	2-Chlorophenol	93	%Rec		5/21/13	1
88744	2-Nitroaniline	83	%Rec		5/21/13	1
88755	2-Nitrophenol	90	%Rec		5/21/13	1
91941	3,3'-Dichlorobenzidine	74	%Rec		5/21/13	1
99092	3-Nitroaniline	77	%Rec		5/21/13	1
534521	4,6-Dinitro-2-methylphenol	76	%Rec		5/21/13	1
101553	4-Bromophenyl-Phenylether	85	%Rec		5/21/13	1
59507	4-Chloro-3-methylphenol	79	%Rec		5/21/13	1
106478	4-Chloroaniline	44	%Rec		5/21/13	1
7005723	4-Chlorophenyl-Phenylether	78	%Rec		5/21/13	1
106445	4-Methylphenol	86	%Rec		5/21/13	1
100016	4-Nitroaniline	91	%Rec		5/21/13	1
100027	4-Nitrophenol	70	%Rec		5/21/13	1
86748	9H-Carbazole	86	%Rec		5/21/13	1
1912249	Atrazine	89	%Rec		5/21/13	1
100527	Benzaldehyde	105	%Rec		5/21/13	1
111444	bis(2-Chloroethyl)ether	85	%Rec		5/21/13	1
108601	Bis(2-Chloroisopropyl)ether	86	%Rec		5/21/13	1
117817	Bis(2-ethylhexyl) phthalate	86	%Rec		5/21/13	1
85687	Butylbenzylphthalate	87	%Rec		5/21/13	1
58082	Caffeine	64	%Rec		5/21/13	1
105602	Caprolactam	12	%Rec		5/21/13	1
132649	Dibenzofuran	80	%Rec		5/21/13	1
84662	Diethyl phthalate	87	%Rec		5/21/13	1
131113	Dimethylphthalate	88	%Rec		5/21/13	1
84742	Di-n-Butylphthalate	91	%Rec		5/21/13	1
117840	Di-n-octylphthalate	81	%Rec		5/21/13	1
98862	Ethanone, 1-phenyl-	85	%Rec		5/21/13	1
118741	Hexachlorobenzene	81	%Rec		5/21/13	1
87683	Hexachlorobutadiene	53	%Rec		5/21/13	1
77474	Hexachlorocyclopentadiene	62	%Rec		5/21/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	72 %Rec	5/21/13	1
78591	Isophorone	86 %Rec	5/21/13	1
111911	Methane, bis(2-chloroethoxy)-	90 %Rec	5/21/13	1
90120	Naphthalene, 1-methyl-	81 %Rec	5/21/13	1
98953	Nitrobenzene	90 %Rec	5/21/13	1
621647	N-Nitrosodinpropylamine	84 %Rec	5/21/13	1
86306	n-Nitrosodiphenylamine	92 %Rec	5/21/13	1
108952	Phenol	86 %Rec	5/21/13	1
95487	Phenol, 2-methyl-	93 %Rec	5/21/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	92 %Rec	5/21/13	1
93951781	2-Nitrophenol-D4	81 %Rec	5/21/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	82 %Rec	5/21/13	1
191656334	4-Chloroaniline-D4	42 %Rec	5/21/13	1
190780666	4-Methylphenol-D8	85 %Rec	5/21/13	1
93951792	4-Nitrophenol-D4	78 %Rec	5/21/13	1
93951974	Acenaphthylene-D8	87 %Rec	5/21/13	1
1719068	Anthracene-D10	83 %Rec	5/21/13	1
63466717	Benzo[a]pyrene-D12	82 %Rec	5/21/13	1
93952024	Bis(2chloroethyl)ether-D8	85 %Rec	5/21/13	1
81103799	D10-Fluorene (SS)	82 %Rec	5/21/13	1
1718521	D10-Pyrene	91 %Rec	5/21/13	1
93951747	d3-2,4-Dichlorophenol	84 %Rec	5/21/13	1
93951894	Dimethylphthalate-D6	85 %Rec	5/21/13	1
4165600	Nitrobenzene-d5	88 %Rec	5/21/13	1
4165622	Phenol-d5	85 %Rec	5/21/13	1

Sample : 74W051313L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535 - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

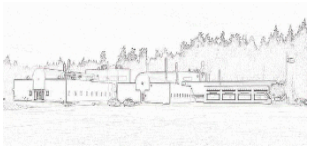
Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	86	%Rec		5/20/13	1
95943	1,2,4,5-Tetrachlorobenzene	72	%Rec		5/20/13	1
120821	1,2,4-Trichlorobenzene	82	%Rec		5/20/13	1
58902	2,3,4,6-Tetrachlorophenol	93	%Rec		5/20/13	1
95954	2,4,5-Trichlorophenol	81	%Rec		5/20/13	1
88062	2,4,6-Trichlorophenol	96	%Rec		5/20/13	1
120832	2,4-Dichlorophenol	96	%Rec		5/20/13	1
105679	2,4-Dimethylphenol	110	%Rec		5/20/13	1
51285	2,4-Dinitrophenol	91	%Rec		5/20/13	1
121142	2,4-Dinitrotoluene	95	%Rec		5/20/13	1
606202	2,6-Dinitrotoluene	93	%Rec		5/20/13	1
91587	2-Chloronaphthalene	88	%Rec		5/20/13	1
95578	2-Chlorophenol	100	%Rec		5/20/13	1
88744	2-Nitroaniline	96	%Rec		5/20/13	1
88755	2-Nitrophenol	95	%Rec		5/20/13	1
91941	3,3'-Dichlorobenzidine	83	%Rec		5/20/13	1
99092	3-Nitroaniline	90	%Rec		5/20/13	1
534521	4,6-Dinitro-2-methylphenol	93	%Rec		5/20/13	1
101553	4-Bromophenyl-Phenylether	93	%Rec		5/20/13	1
59507	4-Chloro-3-methylphenol	91	%Rec		5/20/13	1
106478	4-Chloroaniline	44	%Rec		5/20/13	1
7005723	4-Chlorophenyl-Phenylether	87	%Rec		5/20/13	1
106445	4-Methylphenol	92	%Rec		5/20/13	1
100016	4-Nitroaniline	102	%Rec		5/20/13	1
100027	4-Nitrophenol	87	%Rec		5/20/13	1
86748	9H-Carbazole	95	%Rec		5/20/13	1
1912249	Atrazine	97	%Rec		5/20/13	1
100527	Benzaldehyde	113	%Rec		5/20/13	1
111444	bis(2-Chloroethyl)ether	95	%Rec		5/20/13	1
108601	Bis(2-Chloroisopropyl)ether	92	%Rec		5/20/13	1
117817	Bis(2-ethylhexyl) phthalate	97	%Rec		5/20/13	1
85687	Butylbenzylphthalate	98	%Rec		5/20/13	1
58082	Caffeine	76	%Rec		5/20/13	1
105602	Caprolactam	15	%Rec		5/20/13	1
132649	Dibenzofuran	88	%Rec		5/20/13	1
84662	Diethyl phthalate	97	%Rec		5/20/13	1
131113	Dimethylphthalate	99	%Rec		5/20/13	1
84742	Di-n-Butylphthalate	100	%Rec		5/20/13	1
117840	Di-n-octylphthalate	92	%Rec		5/20/13	1
98862	Ethanone, 1-phenyl-	90	%Rec		5/20/13	1
118741	Hexachlorobenzene	85	%Rec		5/20/13	1
87683	Hexachlorobutadiene	52	%Rec		5/20/13	1
77474	Hexachlorocyclopentadiene	61	%Rec		5/20/13	1

Spiked Compounds (cont.):

67721	Hexachloroethane	73 %Rec	5/20/13	1
78591	Isophorone	94 %Rec	5/20/13	1
111911	Methane, bis(2-chloroethoxy)-	97 %Rec	5/20/13	1
90120	Naphthalene, 1-methyl-	82 %Rec	5/20/13	1
98953	Nitrobenzene	99 %Rec	5/20/13	1
621647	N-Nitrosodinpropylamine	89 %Rec	5/20/13	1
86306	n-Nitrosodiphenylamine	100 %Rec	5/20/13	1
108952	Phenol	97 %Rec	5/20/13	1
95487	Phenol, 2-methyl-	102 %Rec	5/20/13	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	97 %Rec	5/20/13	1
93951781	2-Nitrophenol-D4	86 %Rec	5/20/13	1
93951769	4,6-Dinitro-2-methylphenol-d2	96 %Rec	5/20/13	1
191656334	4-Chloroaniline-D4	41 %Rec	5/20/13	1
190780666	4-Methylphenol-D8	89 %Rec	5/20/13	1
93951792	4-Nitrophenol-D4	89 %Rec	5/20/13	1
93951974	Acenaphthylene-D8	95 %Rec	5/20/13	1
1719068	Anthracene-D10	88 %Rec	5/20/13	1
63466717	Benzo[a]pyrene-D12	87 %Rec	5/20/13	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec	5/20/13	1
81103799	D10-Fluorene (SS)	87 %Rec	5/20/13	1
1718521	D10-Pyrene	97 %Rec	5/20/13	1
93951747	d3-2,4-Dichlorophenol	90 %Rec	5/20/13	1
93951894	Dimethylphthalate-D6	89 %Rec	5/20/13	1
4165600	Nitrobenzene-d5	94 %Rec	5/20/13	1
4165622	Phenol-d5	93 %Rec	5/20/13	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016O
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2013T10P303DD210W2LA00

Sample : 13184000

Description : SE02-0513
Matrix : Water
Collected : 5/6/2013 10:50:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	55	%Rec		5/16/13	10

Sample : 13184001

Description : CW02-0513
Matrix : Water
Collected : 5/6/2013 10:35:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.098	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		5/16/13	10

Sample : 13184002

Description : P1L-0513
Matrix : Water
Collected : 5/6/2013 12:20:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		5/16/13	10

Sample : 13184003

Description : 02CDMW01
Matrix : Water
Collected : 5/6/2013 2:55:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	50	%Rec		5/16/13	10

Sample : 13184004

Description : VG1L-0513
Matrix : Water
Collected : 5/6/2013 12:10:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.099	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	92	%Rec		5/16/13	10

Sample : 13184005

Description : CW09-0513
Matrix : Water
Collected : 5/6/2013 4:10:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	94	%Rec		5/16/13	10

Sample : 13184006

Description : P2L-0513
Matrix : Water
Collected : 5/8/2013 10:10:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		5/17/13	10

Sample : 13184007

Description : VG2L-0513
Matrix : Water
Collected : 5/6/2013 2:50:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.097	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		5/16/13	10

Sample : 13184008

Description : MW80-0513
Matrix : Water
Collected : 5/6/2013 3:15:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.099	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		5/16/13	10

Sample : 13184009

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.098	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		5/16/13	10

Sample : 13184010

Description : MW50-0513
Matrix : Water
Collected : 5/7/2013 10:30:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.097	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		5/16/13	10

Sample : 13184011

Description : CW05-0513
Matrix : Water
Collected : 5/7/2013 10:25:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.095	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	81	%Rec		5/16/13	10

Sample : 13184012

Description : P4L-0513
Matrix : Water
Collected : 5/7/2013 3:00:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	85	%Rec		5/16/13	10

Sample : 13184013

Description : VG3L-0513
Matrix : Water
Collected : 5/7/2013 12:25:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.098	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		5/16/13	10

Sample : 13184014

Description : 99CDMW02
Matrix : Water
Collected : 5/7/2013 12:50:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.097	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		5/17/13	10

Sample : 13184015

Description : P3L-0513
Matrix : Water
Collected : 5/8/2013 10:40:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		5/17/13	10

Sample : 13184016

Description : MW70-0513
Matrix : Water
Collected : 5/8/2013 11:00:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		5/17/13	10

Sample : 13184017

Description : 99CDMW04-0513
Matrix : Water
Collected : 5/8/2013 11:35:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	92	%Rec		5/17/13	10

Sample : 13184018

Description : CW12-0513
Matrix : Water
Collected : 5/8/2013 2:38:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	83	%Rec		5/17/13	10

Sample : 13184019

Description : VG5L-0513
Matrix : Water
Collected : 5/8/2013 3:42:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		5/17/13	10

Sample : 13184020

Description : P5L-0513
Matrix : Water
Collected : 5/7/2013 3:20:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.099	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		5/17/13	10

Sample : 13184021

Description : VG4L-0513
Matrix : Water
Collected : 5/7/2013 4:15:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.095	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		5/17/13	10

Sample : 13184022

Description : P6L-0513
Matrix : Water
Collected : 5/8/2013 3:00:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		5/17/13	10

Sample : 13184023

Description : MW21-0513
Matrix : Water
Collected : 5/9/2013 2:40:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		5/17/13	10

Sample : 13184024

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		5/17/13	10

Sample : 13184025

Description : PZ09-0513
Matrix : Water
Collected : 5/9/2013 1:15:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	111	%Rec		5/17/13	10

Sample : 13184026

Description : PZ11-0513
Matrix : Water
Collected : 5/9/2013 1:05:00PM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	106	%Rec		5/17/13	10

Sample : 13184027

Description : CW01-0513
Matrix : Water
Collected : 5/9/2013 10:50:00AM
Weight Basis : N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		5/17/13	10

Sample : 13184002 Sample Duplicate

Description : P1L-0513
Matrix : Water **Weight Basis :** N/A
Collected : 5/6/2013 12:20:00PM

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.096	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	75	%Rec		5/16/13	10

Sample : 13184009 Sample Duplicate

Description : CW15-0513
Matrix : Water **Weight Basis :** N/A
Collected : 5/7/2013 10:20:00AM

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.099	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	106	%Rec		5/16/13	10

Sample : 13184019 Sample Duplicate

Description : VG5L-0513
Matrix : Water **Weight Basis :** N/A
Collected : 5/8/2013 3:42:00PM

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		5/17/13	10

Sample : 13184024 Sample Duplicate

Description : PZ03-0513
Matrix : Water **Weight Basis :** N/A
Collected : 5/9/2013 10:55:00AM

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.10	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		5/17/13	10

Sample : 66W050913B1 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.098	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	94	%Rec		5/16/13	10

Sample : 66W050913B2 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.098	mg/L	U	5/16/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		5/16/13	10

Sample : 66W051413B3 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.097	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		5/17/13	10

Sample : 66W051413B4 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.097	mg/L	U	5/17/13	10
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		5/17/13	10

Sample : 66W050913L1 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	91	%Rec		5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		5/16/13	10

Sample : 66W051413L3 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	92	%Rec		5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		5/17/13	10

Sample : 66W050913L2 Lab Control Std#2

Description : Lab Control Standard Dup.
Matrix : Liquid **Weight Basis :** N/A

Parameter : TPH-Dx
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	94	%Rec		5/16/13	10
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		5/16/13	10

Sample : 66W051413L4 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

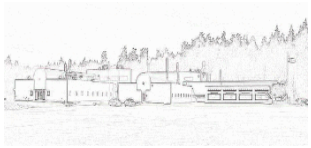
Parameter : TPH-Dx

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: NWTPH-Dx - Diesel range organics

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	94	%Rec		5/17/13	10
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		5/17/13	10



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016O
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2013T10P303DD210W2LA00

Sample : 13184000

Description : SE02-0513
Matrix : Water
Collected : 5/6/2013 10:50:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/20/13	1
83329	Acenaphthene	0.031	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/20/13	1
120127	Anthracene	0.031	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/20/13	1
218019	Chrysene	0.031	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/20/13	1
206440	Fluoranthene	0.031	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.070**	**ug/L**		5/20/13	1
91576	**Naphthalene, 2-methyl-**	**0.031**	**ug/L**		5/20/13	1
85018	Phenanthrene	0.031	ug/L	U	5/20/13	1
129000	Pyrene	0.031	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	88	%Rec		5/20/13	1
1718510	Terphenyl-d14	92	%Rec		5/20/13	1

Sample : 13184001

Description : CW02-0513
Matrix : Water
Collected : 5/6/2013 10:35:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.071**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	94	%Rec		5/20/13	1
1718510	Terphenyl-d14	96	%Rec		5/20/13	1

Sample : 13184002

Description : P1L-0513
Matrix : Water
Collected : 5/6/2013 12:20:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.075**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	89	%Rec		5/20/13	1
1718510	Terphenyl-d14	96	%Rec		5/20/13	1

Sample : 13184003

Description : 02CDMW01
Matrix : Water
Collected : 5/6/2013 2:55:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	**Anthracene**	**0.042**	**ug/L**		5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.038**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	89	%Rec		5/20/13	1
1718510	Terphenyl-d14	99	%Rec		5/20/13	1

Sample : 13184004

Description : VG1L-0513
Matrix : Water
Collected : 5/6/2013 12:10:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/20/13	1
83329	Acenaphthene	0.031	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/20/13	1
120127	Anthracene	0.031	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/20/13	1
218019	Chrysene	0.031	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/20/13	1
206440	Fluoranthene	0.031	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.048**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/20/13	1
85018	Phenanthrene	0.031	ug/L	U	5/20/13	1
129000	Pyrene	0.031	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	89	%Rec		5/20/13	1
1718510	Terphenyl-d14	95	%Rec		5/20/13	1

Sample : 13184005

Description : CW09-0513
Matrix : Water
Collected : 5/6/2013 4:10:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	**Acenaphthene**	**0.058**	**ug/L**		5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	**Fluoranthene**	**0.040**	**ug/L**		5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.038**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	89	%Rec		5/20/13	1
1718510	Terphenyl-d14	97	%Rec		5/20/13	1

Sample : 13184006

Description : P2L-0513
Matrix : Water
Collected : 5/8/2013 10:10:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	Naphthalene	0.030	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	86	%Rec		5/20/13	1
1718510	Terphenyl-d14	94	%Rec		5/20/13	1

Sample : 13184007

Description : VG2L-0513
Matrix : Water
Collected : 5/6/2013 2:50:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**0.78**	**ug/L**		5/20/13	1
83329	**Acenaphthene**	**15**	**ug/L**		6/3/13	10
208968	**Acenaphthylene**	**0.30**	**ug/L**		5/20/13	1
120127	**Anthracene**	**0.89**	**ug/L**		5/20/13	1
56553	**Benzo(a)anthracene**	**0.35**	**ug/L**		5/20/13	1
50328	**Benzo(a)pyrene**	**0.079**	**ug/L**		5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	**Benzo[b]Fluoranthene**	**0.11**	**ug/L**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**0.067**	**ug/L**		5/20/13	1
218019	**Chrysene**	**0.28**	**ug/L**		5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	**Fluoranthene**	**3.1**	**ug/L**		5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**3.1**	**ug/L**		5/20/13	1
91576	**Naphthalene, 2-methyl-**	**0.087**	**ug/L**		5/20/13	1
85018	**Phenanthrene**	**1.8**	**ug/L**		5/20/13	1
129000	**Pyrene**	**2.0**	**ug/L**		5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		5/20/13	1
1718510	Terphenyl-d14	91	%Rec		5/20/13	1

Sample : 13184008

Description : MW80-0513
Matrix : Water
Collected : 5/6/2013 3:15:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**0.91**	**ug/L**		5/20/13	1
83329	**Acenaphthene**	**14**	**ug/L**		6/3/13	10
208968	**Acenaphthylene**	**0.28**	**ug/L**		5/20/13	1
120127	**Anthracene**	**0.72**	**ug/L**		5/20/13	1
56553	**Benzo(a)anthracene**	**0.40**	**ug/L**		5/20/13	1
50328	**Benzo(a)pyrene**	**0.098**	**ug/L**		5/20/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/20/13	1
205992	**Benzo[b]Fluoranthene**	**0.14**	**ug/L**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**0.087**	**ug/L**		5/20/13	1
218019	**Chrysene**	**0.35**	**ug/L**		5/20/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/20/13	1
206440	**Fluoranthene**	**2.6**	**ug/L**		5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/20/13	1
91203	**Naphthalene**	**27**	**ug/L**		6/3/13	10
91576	**Naphthalene, 2-methyl-**	**0.93**	**ug/L**		5/20/13	1
85018	**Phenanthrene**	**1.6**	**ug/L**		5/20/13	1
129000	**Pyrene**	**1.8**	**ug/L**		5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		5/20/13	1
1718510	Terphenyl-d14	94	%Rec		5/20/13	1

Sample : 13184009

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**32**	**ug/L**		6/3/13	10
83329	**Acenaphthene**	**93**	**ug/L**		6/3/13	50
208968	**Acenaphthylene**	**1.6**	**ug/L**		5/20/13	1
120127	**Anthracene**	**4.6**	**ug/L**		6/3/13	10
56553	**Benzo(a)anthracene**	**3.9**	**ug/L**		6/3/13	10
50328	**Benzo(a)pyrene**	**1.0**	**ug/L**		5/20/13	1
191242	**Benzo(g,h,i)perylene**	**0.19**	**ug/L**		5/20/13	1
205992	**Benzo[b]Fluoranthene**	**1.5**	**ug/L**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**0.86**	**ug/L**		5/20/13	1
218019	**Chrysene**	**3.8**	**ug/L**		5/20/13	1
53703	**Dibenzo[a,h]anthracene**	**0.076**	**ug/L**		5/20/13	1
206440	**Fluoranthene**	**13**	**ug/L**		6/3/13	10
193395	**Indeno(1,2,3-cd)pyrene**	**0.19**	**ug/L**		5/20/13	1
91203	**Naphthalene**	**160**	**ug/L**		6/3/13	50
91576	**Naphthalene, 2-methyl-**	**1.6**	**ug/L**		5/20/13	1
85018	**Phenanthrene**	**40**	**ug/L**		6/3/13	50
129000	**Pyrene**	**8.8**	**ug/L**		6/3/13	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	73	%Rec		5/20/13	1
1718510	Terphenyl-d14	94	%Rec		5/20/13	1

Sample : 13184010

Description : MW50-0513
Matrix : Water
Collected : 5/7/2013 10:30:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**31**	**ug/L**		6/3/13	50
83329	**Acenaphthene**	**100**	**ug/L**		6/3/13	50
208968	**Acenaphthylene**	**1.8**	**ug/L**		5/20/13	1
120127	**Anthracene**	**9.9**	**ug/L**		6/3/13	50
56553	**Benzo(a)anthracene**	**6.7**	**ug/L**		6/3/13	50
50328	**Benzo(a)pyrene**	**2.2**	**ug/L**		5/20/13	1
191242	**Benzo(g,h,i)perylene**	**0.41**	**ug/L**		5/20/13	1
205992	**Benzo[b]Fluoranthene**	**3.1**	**ug/L**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**2.0**	**ug/L**		5/20/13	1
218019	**Chrysene**	**6.9**	**ug/L**		6/3/13	50
53703	**Dibenzo[a,h]anthracene**	**0.18**	**ug/L**		5/20/13	1
206440	**Fluoranthene**	**37**	**ug/L**		6/3/13	50
193395	**Indeno(1,2,3-cd)pyrene**	**0.41**	**ug/L**		5/20/13	1
91203	**Naphthalene**	**140**	**ug/L**		6/3/13	50
91576	**Naphthalene, 2-methyl-**	**1.4**	**ug/L**		5/20/13	1
85018	**Phenanthrene**	**69**	**ug/L**		6/3/13	50
129000	**Pyrene**	**26**	**ug/L**		6/3/13	50
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	72	%Rec		5/20/13	1
1718510	Terphenyl-d14	98	%Rec		5/20/13	1

Sample : 13184011

Description : CW05-0513
Matrix : Water
Collected : 5/7/2013 10:25:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**38**	**ug/L**		6/4/13	50
83329	**Acenaphthene**	**87**	**ug/L**		6/4/13	50
208968	**Acenaphthylene**	**1.8**	**ug/L**		5/20/13	1
120127	**Anthracene**	**3.6**	**ug/L**		5/20/13	1
56553	**Benzo(a)anthracene**	**0.31**	**ug/L**		5/20/13	1
50328	**Benzo(a)pyrene**	**0.097**	**ug/L**		5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	**Benzo[b]Fluoranthene**	**0.16**	**ug/L**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**0.085**	**ug/L**		5/20/13	1
218019	**Chrysene**	**0.26**	**ug/L**		5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	**Fluoranthene**	**3.6**	**ug/L**		6/4/13	50
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	**Naphthalene**	**260**	**ug/L**		6/4/13	100
91576	**Naphthalene, 2-methyl-**	**0.081**	**ug/L**		5/20/13	1
85018	**Phenanthrene**	**38**	**ug/L**		6/4/13	50
129000	**Pyrene**	**2.7**	**ug/L**		5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		5/20/13	1
1718510	Terphenyl-d14	95	%Rec		5/20/13	1

Sample : 13184012

Description : P4L-0513
Matrix : Water
Collected : 5/7/2013 3:00:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**0.10**	**ug/L**		6/3/13	1
83329	**Acenaphthene**	**0.098**	**ug/L**		6/3/13	1
208968	Acenaphthylene	0.030	ug/L	U	6/3/13	1
120127	**Anthracene**	**0.032**	**ug/L**		6/3/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	6/3/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	6/3/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	6/3/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	6/3/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	6/3/13	1
218019	Chrysene	0.030	ug/L	U	6/3/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	6/3/13	1
206440	**Fluoranthene**	**0.072**	**ug/L**		6/3/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	6/3/13	1
91203	**Naphthalene**	**0.045**	**ug/L**		6/3/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	6/3/13	1
85018	Phenanthrene	0.030	ug/L	U	6/3/13	1
129000	**Pyrene**	**0.039**	**ug/L**		6/3/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	78	%Rec		6/3/13	1
1718510	Terphenyl-d14	91	%Rec		6/3/13	1

Sample : 13184013

Description : VG3L-0513
Matrix : Water
Collected : 5/7/2013 12:25:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	Naphthalene	0.030	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	86	%Rec		5/20/13	1
1718510	Terphenyl-d14	101	%Rec		5/20/13	1

Sample : 13184014

Description : 99CDMW02
Matrix : Water
Collected : 5/7/2013 12:50:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/20/13	1
83329	Acenaphthene	0.031	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/20/13	1
120127	Anthracene	0.031	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/20/13	1
218019	Chrysene	0.031	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/20/13	1
206440	Fluoranthene	0.031	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/20/13	1
91203	**Naphthalene**	**0.098**	**ug/L**		5/20/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/20/13	1
85018	**Phenanthrene**	**0.038**	**ug/L**		5/20/13	1
129000	Pyrene	0.031	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	78	%Rec		5/20/13	1
1718510	Terphenyl-d14	94	%Rec		5/20/13	1

Sample : 13184015

Description : P3L-0513
Matrix : Water
Collected : 5/8/2013 10:40:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**4.0**	**ug/L**		6/4/13	50
83329	**Acenaphthene**	**28**	**ug/L**		6/4/13	50
208968	**Acenaphthylene**	**0.28**	**ug/L**		5/21/13	1
120127	**Anthracene**	**0.95**	**ug/L**		5/21/13	1
56553	**Benzo(a)anthracene**	**0.96**	**ug/L**		5/21/13	1
50328	**Benzo(a)pyrene**	**0.26**	**ug/L**		5/21/13	1
191242	**Benzo(g,h,i)perylene**	**0.060**	**ug/L**		5/21/13	1
205992	**Benzo[b]Fluoranthene**	**0.35**	**ug/L**		5/21/13	1
207089	**Benzo[k]fluoranthene**	**0.24**	**ug/L**		5/21/13	1
218019	**Chrysene**	**0.89**	**ug/L**		5/21/13	1
53703	Dibenzo[a,h]anthracene	0.032	ug/L	U	5/21/13	1
206440	**Fluoranthene**	**2.5**	**ug/L**		5/21/13	1
193395	**Indeno(1,2,3-cd)pyrene**	**0.060**	**ug/L**		5/21/13	1
91203	**Naphthalene**	**34**	**ug/L**		6/4/13	50
91576	**Naphthalene, 2-methyl-**	**0.73**	**ug/L**		5/21/13	1
85018	**Phenanthrene**	**4.0**	**ug/L**		5/21/13	1
129000	**Pyrene**	**1.8**	**ug/L**		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	78	%Rec		5/21/13	1
1718510	Terphenyl-d14	86	%Rec		5/21/13	1

Sample : 13184016

Description : MW70-0513
Matrix : Water
Collected : 5/8/2013 11:00:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**3.4**	**ug/L**		5/21/13	1
83329	**Acenaphthene**	**24**	**ug/L**		6/4/13	50
208968	**Acenaphthylene**	**0.24**	**ug/L**		5/21/13	1
120127	**Anthracene**	**0.64**	**ug/L**		5/21/13	1
56553	**Benzo(a)anthracene**	**0.38**	**ug/L**		5/21/13	1
50328	**Benzo(a)pyrene**	**0.097**	**ug/L**		5/21/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/21/13	1
205992	**Benzo[b]Fluoranthene**	**0.12**	**ug/L**		5/21/13	1
207089	**Benzo[k]fluoranthene**	**0.09**	**ug/L**		5/21/13	1
218019	**Chrysene**	**0.35**	**ug/L**		5/21/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/21/13	1
206440	**Fluoranthene**	**1.7**	**ug/L**		5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/21/13	1
91203	**Naphthalene**	**31**	**ug/L**		6/4/13	50
91576	**Naphthalene, 2-methyl-**	**1.1**	**ug/L**		5/21/13	1
85018	**Phenanthrene**	**3.0**	**ug/L**		5/21/13	1
129000	**Pyrene**	**1.2**	**ug/L**		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	81	%Rec		5/21/13	1
1718510	Terphenyl-d14	93	%Rec		5/21/13	1

Sample : 13184017

Description : 99CDMW04-0513
Matrix : Water
Collected : 5/8/2013 11:35:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	**Anthracene**	**0.033**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		5/21/13	1
1718510	Terphenyl-d14	91	%Rec		5/21/13	1

Sample : 13184018

Description : CW12-0513
Matrix : Water
Collected : 5/8/2013 2:38:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	**Anthracene**	**0.063**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		5/21/13	1
1718510	Terphenyl-d14	89	%Rec		5/21/13	1

Sample : 13184019

Description : VG5L-0513
Matrix : Water
Collected : 5/8/2013 3:42:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	Anthracene	0.030	ug/L	U	5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		5/21/13	1
1718510	Terphenyl-d14	88	%Rec		5/21/13	1

Sample : 13184020

Description : P5L-0513
Matrix : Water
Collected : 5/7/2013 3:20:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/20/13	1
83329	Acenaphthene	0.031	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/20/13	1
120127	Anthracene	0.031	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/20/13	1
218019	Chrysene	0.031	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/20/13	1
206440	Fluoranthene	0.031	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/20/13	1
91203	Naphthalene	0.031	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/20/13	1
85018	Phenanthrene	0.031	ug/L	U	5/20/13	1
129000	Pyrene	0.031	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		5/20/13	1
1718510	Terphenyl-d14	88	%Rec		5/20/13	1

Sample : 13184021

Description : VG4L-0513
Matrix : Water
Collected : 5/7/2013 4:15:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	Naphthalene	0.030	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		5/20/13	1
1718510	Terphenyl-d14	91	%Rec		5/20/13	1

Sample : 13184022

Description : P6L-0513
Matrix : Water
Collected : 5/8/2013 3:00:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/21/13	1
83329	Acenaphthene	0.031	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/21/13	1
120127	Anthracene	0.031	ug/L	U	5/21/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/21/13	1
218019	Chrysene	0.031	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/21/13	1
206440	Fluoranthene	0.031	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/21/13	1
91203	**Naphthalene**	**0.035**	**ug/L**		5/21/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/21/13	1
85018	Phenanthrene	0.031	ug/L	U	5/21/13	1
129000	Pyrene	0.031	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	75	%Rec		5/21/13	1
1718510	Terphenyl-d14	88	%Rec		5/21/13	1

Sample : 13184023

Description : MW21-0513
Matrix : Water
Collected : 5/9/2013 2:40:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	**Anthracene**	**0.190**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	**Naphthalene**	**0.048**	**ug/L**		5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		5/21/13	1
1718510	Terphenyl-d14	91	%Rec		5/21/13	1

Sample : 13184024

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	**Anthracene**	**0.058**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		5/21/13	1
1718510	Terphenyl-d14	87	%Rec		5/21/13	1

Sample : 13184025

Description : PZ09-0513
Matrix : Water
Collected : 5/9/2013 1:15:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	**Anthracene**	**0.083**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	70	%Rec		5/21/13	1
1718510	Terphenyl-d14	86	%Rec		5/21/13	1

Sample : 13184026

Description : PZ11-0513
Matrix : Water
Collected : 5/9/2013 1:05:00PM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**5.2**	**ug/L**		6/4/13	10
83329	**Acenaphthene**	**18**	**ug/L**		6/4/13	10
208968	**Acenaphthylene**	**0.83**	**ug/L**		5/21/13	1
120127	**Anthracene**	**0.68**	**ug/L**		5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	**Fluoranthene**	**0.16**	**ug/L**		5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	**Naphthalene**	**160**	**ug/L**		6/4/13	100
91576	**Naphthalene, 2-methyl-**	**0.32**	**ug/L**		5/21/13	1
85018	**Phenanthrene**	**2.6**	**ug/L**		5/21/13	1
129000	**Pyrene**	**0.041**	**ug/L**		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		5/21/13	1
1718510	Terphenyl-d14	83	%Rec		5/21/13	1

Sample : 13184027

Description : CW01-0513
Matrix : Water
Collected : 5/9/2013 10:50:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/21/13	1
83329	Acenaphthene	0.030	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/21/13	1
120127	Anthracene	0.030	ug/L	U	5/21/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/21/13	1
218019	Chrysene	0.030	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/21/13	1
206440	Fluoranthene	0.030	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/21/13	1
91203	Naphthalene	0.030	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/21/13	1
85018	Phenanthrene	0.030	ug/L	U	5/21/13	1
129000	Pyrene	0.030	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	62	%Rec		5/21/13	1
1718510	Terphenyl-d14	89	%Rec		5/21/13	1

Sample : 13184009 Matrix Spike

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene			NA	5/20/13	1
83329	Acenaphthene			NA	5/20/13	1
208968	**Acenaphthylene**	**92**	**%Rec**		5/20/13	1
120127	Anthracene			NA	5/20/13	1
56553	Benzo(a)anthracene			NA	5/20/13	1
50328	**Benzo(a)pyrene**	**110**	**%Rec**		5/20/13	1
191242	**Benzo(g,h,i)perylene**	**77**	**%Rec**		5/20/13	1
205992	**Benzo[b]Fluoranthene**	**109**	**%Rec**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**112**	**%Rec**		5/20/13	1
218019	Chrysene			NA	5/20/13	1
53703	**Dibenzo[a,h]anthracene**	**79**	**%Rec**		5/20/13	1
206440	Fluoranthene			NA	5/20/13	1
193395	**Indeno(1,2,3-cd)pyrene**	**77**	**%Rec**		5/20/13	1
91203	Naphthalene			NA	5/20/13	1
91576	**Naphthalene, 2-methyl-**	**106**	**%Rec**		5/20/13	1
85018	Phenanthrene			NA	5/20/13	1
129000	Pyrene			NA	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	67	%Rec		5/20/13	1
1718510	Terphenyl-d14	91	%Rec		5/20/13	1

Sample : 13184024 Matrix Spike

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**94**	**%Rec**		5/21/13	1
83329	**Acenaphthene**	**90**	**%Rec**		5/21/13	1
208968	**Acenaphthylene**	**93**	**%Rec**		5/21/13	1
120127	**Anthracene**	**96**	**%Rec**		5/21/13	1
56553	**Benzo(a)anthracene**	**99**	**%Rec**		5/21/13	1
50328	**Benzo(a)pyrene**	**85**	**%Rec**		5/21/13	1
191242	**Benzo(g,h,i)perylene**	**83**	**ug/L**		5/21/13	1
205992	**Benzo[b]Fluoranthene**	**93**	**%Rec**		5/21/13	1
207089	**Benzo[k]fluoranthene**	**99**	**%Rec**		5/21/13	1
218019	**Chrysene**	**95**	**%Rec**		5/21/13	1
53703	**Dibenzo[a,h]anthracene**	**91**	**%Rec**		5/21/13	1
206440	**Fluoranthene**	**106**	**%Rec**		5/21/13	1
193395	**Indeno(1,2,3-cd)pyrene**	**83**	**%Rec**		5/21/13	1
91203	**Naphthalene**	**90**	**%Rec**		5/21/13	1
91576	**Naphthalene, 2-methyl-**	**111**	**%Rec**		5/21/13	1
85018	**Phenanthrene**	**96**	**%Rec**		5/21/13	1
129000	**Pyrene**	**99**	**%Rec**		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	69	%Rec		5/21/13	1
1718510	Terphenyl-d14	83	%Rec		5/21/13	1

Sample : 13184009 Matrix Spike#2

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene			NA	5/20/13	1
83329	Acenaphthene			NA	5/20/13	1
208968	**Acenaphthylene**	**90**	**%Rec**		5/20/13	1
120127	Anthracene			NA	5/20/13	1
56553	Benzo(a)anthracene			NA	5/20/13	1
50328	**Benzo(a)pyrene**	**105**	**%Rec**		5/20/13	1
191242	**Benzo(g,h,i)perylene**	**82**	**%Rec**		5/20/13	1
205992	**Benzo[b]Fluoranthene**	**102**	**%Rec**		5/20/13	1
207089	**Benzo[k]fluoranthene**	**106**	**%Rec**		5/20/13	1
218019	Chrysene			NA	5/20/13	1
53703	**Dibenzo[a,h]anthracene**	**84**	**%Rec**		5/20/13	1
206440	Fluoranthene			NA	5/20/13	1
193395	**Indeno(1,2,3-cd)pyrene**	**82**	**%Rec**		5/20/13	1
91203	Naphthalene			NA	5/20/13	1
91576	**Naphthalene, 2-methyl-**	**166**	**%Rec**		5/20/13	1
85018	Phenanthrene			NA	5/20/13	1
129000	Pyrene			NA	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	73	%Rec		5/20/13	1
1718510	Terphenyl-d14	96	%Rec		5/20/13	1

Sample : 13184024 Matrix Spike#2

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	**9H-Fluorene**	**98**	**%Rec**		5/21/13	1
83329	**Acenaphthene**	**95**	**%Rec**		5/21/13	1
208968	**Acenaphthylene**	**99**	**%Rec**		5/21/13	1
120127	**Anthracene**	**96**	**%Rec**		5/21/13	1
56553	**Benzo(a)anthracene**	**98**	**%Rec**		5/21/13	1
50328	**Benzo(a)pyrene**	**85**	**%Rec**		5/21/13	1
191242	**Benzo(g,h,i)perylene**	**81**	**%Rec**		5/21/13	1
205992	**Benzo[b]Fluoranthene**	**97**	**%Rec**		5/21/13	1
207089	**Benzo[k]fluoranthene**	**96**	**%Rec**		5/21/13	1
218019	**Chrysene**	**92**	**%Rec**		5/21/13	1
53703	**Dibenzo[a,h]anthracene**	**89**	**%Rec**		5/21/13	1
206440	**Fluoranthene**	**108**	**%Rec**		5/21/13	1
193395	**Indeno(1,2,3-cd)pyrene**	**81**	**%Rec**		5/21/13	1
91203	**Naphthalene**	**96**	**%Rec**		5/21/13	1
91576	**Naphthalene, 2-methyl-**	**116**	**%Rec**		5/21/13	1
85018	**Phenanthrene**	**98**	**%Rec**		5/21/13	1
129000	**Pyrene**	**102**	**%Rec**		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		5/21/13	1
1718510	Terphenyl-d14	91	%Rec		5/21/13	1

Sample : 66W051013B1 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	Naphthalene	0.030	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	167	%Rec		5/20/13	1
1718510	Terphenyl-d14	175	%Rec		5/20/13	1

Sample : 66W051013B2 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.030	ug/L	U	5/20/13	1
83329	Acenaphthene	0.030	ug/L	U	5/20/13	1
208968	Acenaphthylene	0.030	ug/L	U	5/20/13	1
120127	Anthracene	0.030	ug/L	U	5/20/13	1
56553	Benzo(a)anthracene	0.030	ug/L	U	5/20/13	1
50328	Benzo(a)pyrene	0.030	ug/L	U	5/20/13	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	5/20/13	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	5/20/13	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	5/20/13	1
218019	Chrysene	0.030	ug/L	U	5/20/13	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	5/20/13	1
206440	Fluoranthene	0.030	ug/L	U	5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	5/20/13	1
91203	Naphthalene	0.030	ug/L	U	5/20/13	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	5/20/13	1
85018	Phenanthrene	0.030	ug/L	U	5/20/13	1
129000	Pyrene	0.030	ug/L	U	5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	114	%Rec		5/20/13	1
1718510	Terphenyl-d14	130	%Rec		5/20/13	1

Sample : 66W051413B1 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/21/13	1
83329	Acenaphthene	0.031	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/21/13	1
120127	Anthracene	0.031	ug/L	U	5/21/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/21/13	1
218019	Chrysene	0.031	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/21/13	1
206440	Fluoranthene	0.031	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/21/13	1
91203	Naphthalene	0.031	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/21/13	1
85018	Phenanthrene	0.031	ug/L	U	5/21/13	1
129000	Pyrene	0.031	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	104	%Rec		5/21/13	1
1718510	Terphenyl-d14	120	%Rec		5/21/13	1

Sample : 66W051413B2 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.031	ug/L	U	5/21/13	1
83329	Acenaphthene	0.031	ug/L	U	5/21/13	1
208968	Acenaphthylene	0.031	ug/L	U	5/21/13	1
120127	Anthracene	0.031	ug/L	U	5/21/13	1
56553	Benzo(a)anthracene	0.031	ug/L	U	5/21/13	1
50328	Benzo(a)pyrene	0.031	ug/L	U	5/21/13	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	5/21/13	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	5/21/13	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	5/21/13	1
218019	Chrysene	0.031	ug/L	U	5/21/13	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	5/21/13	1
206440	Fluoranthene	0.031	ug/L	U	5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	5/21/13	1
91203	Naphthalene	0.031	ug/L	U	5/21/13	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	5/21/13	1
85018	Phenanthrene	0.031	ug/L	U	5/21/13	1
129000	Pyrene	0.031	ug/L	U	5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	114	%Rec		5/21/13	1
1718510	Terphenyl-d14	127	%Rec		5/21/13	1

Sample : 66W051013L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	92	%Rec		5/20/13	1
83329	Acenaphthene	90	%Rec		5/20/13	1
208968	Acenaphthylene	94	%Rec		5/20/13	1
120127	Anthracene	115	%Rec		5/20/13	1
56553	Benzo(a)anthracene	163	%Rec		5/20/13	1
50328	Benzo(a)pyrene	122	%Rec		5/20/13	1
191242	Benzo(g,h,i)perylene	121	%Rec		5/20/13	1
205992	Benzo[b]Fluoranthene	153	%Rec		5/20/13	1
207089	Benzo[k]fluoranthene	133	%Rec		5/20/13	1
218019	Chrysene	138	%Rec		5/20/13	1
53703	Dibenzo[a,h]anthracene	123	%Rec		5/20/13	1
206440	Fluoranthene	138	%Rec		5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	121	%Rec		5/20/13	1
91203	Naphthalene	91	%Rec		5/20/13	1
91576	Naphthalene, 2-methyl-	97	%Rec		5/20/13	1
85018	Phenanthrene	102	%Rec		5/20/13	1
129000	Pyrene	132	%Rec		5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	128	%Rec		5/20/13	1
1718510	Terphenyl-d14	141	%Rec		5/20/13	1

Sample : 66W051413L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	93	%Rec		5/21/13	1
83329	Acenaphthene	89	%Rec		5/21/13	1
208968	Acenaphthylene	91	%Rec		5/21/13	1
120127	Anthracene	92	%Rec		5/21/13	1
56553	Benzo(a)anthracene	144	%Rec		5/21/13	1
50328	Benzo(a)pyrene	94	%Rec		5/21/13	1
191242	Benzo(g,h,i)perylene	119	%Rec		5/21/13	1
205992	Benzo[b]Fluoranthene	133	%Rec		5/21/13	1
207089	Benzo[k]fluoranthene	122	%Rec		5/21/13	1
218019	Chrysene	128	%Rec		5/21/13	1
53703	Dibenzo[a,h]anthracene	122	%Rec		5/21/13	1
206440	Fluoranthene	122	%Rec		5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	119	%Rec		5/21/13	1
91203	Naphthalene	87	%Rec		5/21/13	1
91576	Naphthalene, 2-methyl-	93	%Rec		5/21/13	1
85018	Phenanthrene	96	%Rec		5/21/13	1
129000	Pyrene	110	%Rec		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	129	%Rec		5/21/13	1
1718510	Terphenyl-d14	136	%Rec		5/21/13	1

Sample : 66W051013L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	105	%Rec		5/20/13	1
83329	Acenaphthene	101	%Rec		5/20/13	1
208968	Acenaphthylene	107	%Rec		5/20/13	1
120127	Anthracene	129	%Rec		5/20/13	1
56553	Benzo(a)anthracene	181	%Rec		5/20/13	1
50328	Benzo(a)pyrene	133	%Rec		5/20/13	1
191242	Benzo(g,h,i)perylene	133	%Rec		5/20/13	1
205992	Benzo[b]Fluoranthene	168	%Rec		5/20/13	1
207089	Benzo[k]fluoranthene	146	%Rec		5/20/13	1
218019	Chrysene	154	%Rec		5/20/13	1
53703	Dibenzo[a,h]anthracene	135	%Rec		5/20/13	1
206440	Fluoranthene	149	%Rec		5/20/13	1
193395	Indeno(1,2,3-cd)pyrene	133	%Rec		5/20/13	1
91203	Naphthalene	104	%Rec		5/20/13	1
91576	Naphthalene, 2-methyl-	114	%Rec		5/20/13	1
85018	Phenanthrene	113	%Rec		5/20/13	1
129000	Pyrene	143	%Rec		5/20/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	143	%Rec		5/20/13	1
1718510	Terphenyl-d14	145	%Rec		5/20/13	1

Sample : 66W051413L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

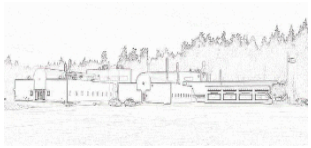
Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270-SIM - Pesticide/PAHs GC/MS-SIM Mode

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	82	%Rec		5/21/13	1
83329	Acenaphthene	78	%Rec		5/21/13	1
208968	Acenaphthylene	78	%Rec		5/21/13	1
120127	Anthracene	90	%Rec		5/21/13	1
56553	Benzo(a)anthracene	150	%Rec		5/21/13	1
50328	Benzo(a)pyrene	99	%Rec		5/21/13	1
191242	Benzo(g,h,i)perylene	121	%Rec		5/21/13	1
205992	Benzo[b]Fluoranthene	138	%Rec		5/21/13	1
207089	Benzo[k]fluoranthene	124	%Rec		5/21/13	1
218019	Chrysene	132	%Rec		5/21/13	1
53703	Dibenzo[a,h]anthracene	124	%Rec		5/21/13	1
206440	Fluoranthene	123	%Rec		5/21/13	1
193395	Indeno(1,2,3-cd)pyrene	121	%Rec		5/21/13	1
91203	Naphthalene	77	%Rec		5/21/13	1
91576	Naphthalene, 2-methyl-	84	%Rec		5/21/13	1
85018	Phenanthrene	93	%Rec		5/21/13	1
129000	Pyrene	110	%Rec		5/21/13	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	127	%Rec		5/21/13	1
1718510	Terphenyl-d14	135	%Rec		5/21/13	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016O
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2013T10P303DD210W2LA00

Sample : 13184000

Description : SE02-0513
Matrix : Water
Collected : 5/6/2013 10:50:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	100	%Rec		5/23/13	1

Sample : 13184001

Description : CW02-0513
Matrix : Water
Collected : 5/6/2013 10:35:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	101	%Rec		5/23/13	1

Sample : 13184002

Description : P1L-0513
Matrix : Water
Collected : 5/6/2013 12:20:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/23/13	1

Sample : 13184003

Description : 02CDMW01
Matrix : Water
Collected : 5/6/2013 2:55:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		5/23/13	1

Sample : 13184004

Description : VG1L-0513
Matrix : Water
Collected : 5/6/2013 12:10:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		5/23/13	1

Sample : 13184005

Description : CW09-0513
Matrix : Water
Collected : 5/6/2013 4:10:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	105	%Rec		5/23/13	1

Sample : 13184006

Description : P2L-0513
Matrix : Water
Collected : 5/8/2013 10:10:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/23/13	1

Sample : 13184007

Description : VG2L-0513
Matrix : Water
Collected : 5/6/2013 2:50:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	87	%Rec		5/23/13	1

Sample : 13184008

Description : MW80-0513
Matrix : Water
Collected : 5/6/2013 3:15:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	82	%Rec		5/23/13	1

Sample : 13184009

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		5/23/13	1

Sample : 13184010

Description : MW50-0513
Matrix : Water
Collected : 5/7/2013 10:30:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		5/23/13	1

Sample : 13184011

Description : CW05-0513
Matrix : Water
Collected : 5/7/2013 10:25:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		5/23/13	1

Sample : 13184012

Description : P4L-0513
Matrix : Water
Collected : 5/7/2013 3:00:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		5/23/13	1

Sample : 13184013

Description : VG3L-0513
Matrix : Water
Collected : 5/7/2013 12:25:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	102	%Rec		5/23/13	1

Sample : 13184014

Description : 99CDMW02
Matrix : Water
Collected : 5/7/2013 12:50:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.079	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	102	%Rec		5/23/13	1

Sample : 13184015

Description : P3L-0513
Matrix : Water
Collected : 5/8/2013 10:40:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.082	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	88	%Rec		5/23/13	1

Sample : 13184016

Description : MW70-0513
Matrix : Water
Collected : 5/8/2013 11:00:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		5/24/13	1

Sample : 13184017

Description : 99CDMW04-0513
Matrix : Water
Collected : 5/8/2013 11:35:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/24/13	1

Sample : 13184018

Description : CW12-0513
Matrix : Water
Collected : 5/8/2013 2:38:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/24/13	1

Sample : 13184019

Description : VG5L-0513
Matrix : Water
Collected : 5/8/2013 3:42:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	96	%Rec		5/24/13	1

Sample : 13184020

Description : P5L-0513
Matrix : Water
Collected : 5/7/2013 3:20:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.079	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	100	%Rec		5/23/13	1

Sample : 13184021

Description : VG4L-0513
Matrix : Water
Collected : 5/7/2013 4:15:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		5/23/13	1

Sample : 13184022

Description : P6L-0513
Matrix : Water
Collected : 5/8/2013 3:00:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/24/13	1

Sample : 13184023

Description : MW21-0513
Matrix : Water
Collected : 5/9/2013 2:40:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/24/13	1

Sample : 13184024

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	103	%Rec		5/24/13	1

Sample : 13184025

Description : PZ09-0513
Matrix : Water
Collected : 5/9/2013 1:15:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		5/24/13	1

Sample : 13184026

Description : PZ11-0513
Matrix : Water
Collected : 5/9/2013 1:05:00PM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.076	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	101	%Rec		5/24/13	1

Sample : 13184027

Description : CW01-0513
Matrix : Water
Collected : 5/9/2013 10:50:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	96	%Rec		5/24/13	1

Sample : 13184009 Matrix Spike

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**76**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/23/13	1

Sample : 13184024 Matrix Spike

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**77**	**%Rec**		5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/24/13	1

Sample : 13184009 Matrix Spike#2

Description : CW15-0513
Matrix : Water
Collected : 5/7/2013 10:20:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**80**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	100	%Rec		5/23/13	1

Sample : 13184024 Matrix Spike#2

Description : PZ03-0513
Matrix : Water
Collected : 5/9/2013 10:55:00AM
Weight Basis : N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**87**	**%Rec**		5/24/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/24/13	1

Sample : 66W051013B1 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	103	%Rec		5/23/13	1

Sample : 66W051013B2 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		5/23/13	1

Sample : 66W051413B1 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	80	%Rec		5/23/13	1

Sample : 66W051413B2 Blank

Description : Blank
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	53	%Rec		5/23/13	1

Sample : 66W051013L1 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**76**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		5/23/13	1

Sample : 66W051413L1 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**43**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	73	%Rec		5/23/13	1

Sample : 66W051013L2 Lab Control Std#2

Description : Lab Control Standard Dup.
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**78**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	94	%Rec		5/23/13	1

Sample : 66W051413L2 Lab Control Std#2

Description : Lab Control Standard Dup.
Matrix : Liquid **Weight Basis :** N/A

Parameter : PCP
Fraction : N/A
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: 8041 - GC - Phenols

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	**Pentachlorophenol**	**55**	**%Rec**		5/23/13	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		5/23/13	1