Groundwater Quality Sampling Results for Wyckoff/Eagle Harbor Superfund Site—June 2012

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DATE: January 15, 2013

This technical memorandum summarizes the results of the June 2012 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 June 2012 sampling event are included in Appendix A.

The June 2012 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 June 18 through 21, 2012. A total of 24 wells and piezometers were sampled. Monitoring well CW-01 was not sampled during this event due to pump failure. 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 are used for purging and sampling. During this sampling event, however, the pump failed to bring water to the surface and CW-01 could not be sampled. A new pump will be purchased for CW-01 prior to the next sampling event.

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 except CW-01 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 overnight shipment to the EPA Region 10 Manchester Environmental Laboratory (Manchester) located in Port Orchard, Washington. All samples were received by the laboratory on the following day.

Sample numbers for the June 2012 sampling event are provided in Table 1.

TABLE 1
June 2012 Groundwater Sample Numbers

Sample Location	Project Sample Number	EPA Sample Number
Lower Aquifer		
02CDMW01	02CDMW01-0612	12254303
99CDMW02	99CDMW02-0612	12254314
99CDMW04	99CDMW04-0612	12254317
CW01	Not Sampled	Not Sampled
CW02	CW02-0612	12254301
CW05	CW05-0612	12254311
CW09	CW09-0612	12254305
CW12	CW12-0612	12254318
CW15	CW15-0612	12254309
MW50 (CW15 Field Duplicate)	MW50-0612	12254310
MW70 (P3L Field Duplicate)	MW70-0612	12254316
MW80 (VG2L Field Duplicate)	MW80-0612	12254308
P1L	P1L-0612	12254302
P2L	P2L-0612	12254306
P3L	P3L-0612	12254315
P4L	P4L-0612	12254312
P5L	P5L-0612	12254320
P6L	P6L-0612	12254322
PZ03	PZ03-0612	12254324
PZ09	PZ09-0612	12254325
PZ11	PZ11-0612	12254326
SE02	SE02-0612	12254300
VG1L	VG1L-0612	12254304
VG2L	VG2L-0612	12254307
VG3L	VG3L-0612	12254313
VG4L	VG4L-0612	12254321
VG5L	VG5L-0612	12254319
Upper Aquifer		
MW21	MW21-0612	12254323

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 shipments.

TPH analytical results were submitted electronically by Manchester to EPA Region 10 on August 1, 2012, SVOC and PAH results were submitted on August 7, 2012, and PCP results were submitted on August 16, 2012. The TPH, PAH, and PCP data packages were reviewed by Dana Walker/USEPA on July 25, 2012, July 26, 2012, and August 2, 2012, respectively. The SVOC data package was reviewed by Chris Pase/USEPA on July 27, 2012. 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

June 2012 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-three lower aquifer locations were sampled during the sample collection event. Of the twenty-three lower aquifer samples, seventeen 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 six lower aquifer samples at monitoring wells CW05, CW09, CW15, P3L, PZ11, and VG2L were reported to have at least one constituent concentration that exceeds a CUL:

- CW05 - Monitoring well CW05 had four PAH constituents reported at concentrations above groundwater CULs (acenaphthene, fluoranthene, flourene, and naphthalene). Heavy weight PAHs (HPAH) is also reported above its groundwater CUL.
- CW09 – Monitoring well CW09 had ten PAH constituents reported at concentrations above groundwater CULs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, and indeno(1,2,3-cd)pyrene). HPAH is also reported above its groundwater CUL.
- CW15 – Monitoring well CW15 had four PAH constituents that were reported at concentractions exceeding the groundwater CULs (acenaphthene, benzo(a)pyrene, fluorene, and naphthalene). HPAH is also reported above its groundwater CUL. Two of the four PAH constitents and HPAH also exceeded CULs in the field duplicate; however, benzo(a)pyrene was not detected in the field duplicate, and naphthalene was reported at a concentration below its CUL.
- P3L – Monitoring well P3L had one PAH constituent (acenaphthene) and HPAH reported at concentrations exceeding the groundwater CULs in the regular sample and the field duplicate sample.
- PZ11 – Monitoring well PZ11 had two PAH constituents that were reported at concentrations exceeding the groundwater CULs (acenaphthene and naphthalene).
- VG2L - Monitoring well VG2L had eleven PAH constituents reported at concentrations exceeding the corresponding CULs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, flourene, indeno(1,2,3-cd)pyrene, and naphthalene). HPAH is also reported above its groundwater CUL. Ten of the eleven constituents and HPAH detected above CULs in the regular sample also exceeded CULs in the field duplicate. Dibenzo(a,h)anthracene was not detected in the field duplicate.

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 Results and Historical Trends

To evaluate the spatial distribution of Lower Aquifer quality conditions PAH and PCP constituents were summed and plotted on Figure 2, along with the 100 µg/L isopleth concentration contour. Note, the 100 ug/L contour was selected as a reference point and has no regulatory significance. The spatial distribution indicates two areas where the summed PAH and PCP concentrations exceed 100 µg/L; one to the north encompassing monitoring wells CW05, CW15, and VG-2L, and one to the southwest centered on piezometer PZ-11. Monitoring well CW05 exhibits the highest summed PAH and PCP constituent concentration at 1059 µg/L.

- A review of historical trends provides supplemental information for evaluating affects to Lower Aquifer water quality conditions. 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. Trend series plots are presented in Figure 3 for monitoring wells located within or close to the affected area to the north (CW05, CW15, P3L, VG2L, and CW09), and piezometer PZ-11 in the affected southwest area.Concentrations in monitoring wells CW15 and P3L are consistently trending downward over their respective monitoring periods (January 1995 through June 2012 for CW15, and February 2009 through June 2012 for P3L).
- Concentrations in monitoring wells CW05 and CW09 exhibit a recent increase in concentrations since the February 2009 sampling event.
- Concentrations in monitoring wells in VG2 and PZ11 are consistently trending upward over their respective monitoring periods (February 2009 through June 2012 for VG2, and January 2006 through June 2012 for PZ11).

In general water quality concentrations appear to be increasing in both the two affected areas of the Lower Aquifer, with the exceptions of monitoring wells CW15 and P3L in the North Area. 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.

Summary of June 2012 NAPL Thickness Measurements

In the technical memorandum titled *Wyckoff Monitoring Well Depths*, CH2M HILL presents observations of non-aqueous phase liquid (NAPL) obtained during the June 2012 groundwater sampling event. This section summarizes and presents the findings from that technical memorandum.

During sampling of the lower aquifer monitoring well VG-2L, NAPL was observed in the bottom 20 feet of pump sample tubing, which prompted a review of the VG-2L boring log and related historical information, as well as the groundwater monitoring sampling procedures.

- A review of the well log indicated the presence of NAPL in the aquitard and lower aquifer during the VG-2L well installation in 2007.
- A review of groundwater sampling procedures indicated that light (LNAPL) and dense (DNAPL) thicknesses are not measured. The sampling team was instructed to measure LNAPL and DNAPL thicknesses and total well depth in monitoring wells

that are sampled or have water level transducers installed (a total of thirty-two monitoring wells).

- LNAPL was not detected by the oil/water interface probe in the thirty-two wells monitored for NAPL thickness.
- DNAPL was present in five of the thirty-two monitoring wells, as indicated by staining on the measuring tape, but no defined layers were detected by the oil/water interface probe. This includes the four lower aquifer wells (VG-2L, P-3L, CW15 and VG-5L) and one upper aquifer well (PO13).

The observations of NAPL in monitoring wells VG-2L, P-3L, CW15 and VG-5L indicate the presense of NAPL in the lower aquifer in the northern area of the site. This is consistent with the water quality conditions observed in the Lower Aquifer in that same area. NAPL measurements were not attempted at monitoring well PZ-11. But based on PZ-11 water quality results, the presense of NAPL in this well is possible.

Conclusions and Recommendations

The June 2012 groundwater sample collection was performed June 18 through 21, 2012, in accordance with the procedures outlined in the SAP addendum. A total of 24 wells and piezometers were sampled for analysis of SVOC, PAH, PCP, and TPH constituents at the EPA's Manchester laboratory. Of the twenty-three lower aquifer samples, seventeen 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 six lower aquifer samples at monitoring wells CW05, CW09, CW15, P3L, PZ11, and VG2L were reported to have at least one constituent concentration that exceeds a CUL.

Based on the spatial distribution of Lower Aquifer quality conditions, two areas of the Lower Aquifer are identified with elevated PAH and PCP concentrations; one to the north encompassing monitoring wells CW05, CW15, and VG-2L, and one to the southwest centered on piezometer PZ-11. In general water quality concentrations appear to be increasing in both the two affected areas of the Lower Aquifer, with the exceptions of monitoring wells CW15 and P3L. 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 measurements of LNAPL and DNAPL thicknesses indicate the presence of DNAPL in five of the thirty-two monitoring wells, including the four lower aquifer wells (VG-2L, P-3L, CW15 and VG-5L) and one upper aquifer well (PO13). The presense of NAPL in the lower aquifer in the northern area of the site is consistent with the water quality conditions observed in the Lower Aquifer in that same area. NAPL measurements were not attempted at monitoring well PZ-11. But based on PZ-11 water quality results, the presense of NAPL in this well is likely.

In the technical memorandum titled *Wyckoff Monitoring Well Depths*, one CH2M HILL recommendation was that wells to be sampled should be sounded one week prior to sampling, to note the presence or absence of NAPL in addition to well bottom conditions (e.g., soft or firm). In addition, CH2M HILL recommends monitoring well PZ-11 be added to the list of wells for sounding. Future Lower Aquifer Well sampling events should be conducted in June to isolate potential seasonal affects on water quality conditions. The next event should be conducted in June 2013.

Tables

TABLE 2

Lower and Upper Aquifer Results - June 2012

Wyckoff

Location ID				02CD-MW01	99CD-MW02	99CD-MW04	CW02	CW05	CW09	CW12	CW15	CW15-FD	MW21	P-1L	P-2L	P-3L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Upper	Lower	Lower	Lower
Sample Date				18-Jun-12	19-Jun-12	20-Jun-12	18-Jun-12	19-Jun-12	18-Jun-12	20-Jun-12	19-Jun-12	19-Jun-12	21-Jun-12	18-Jun-12	18-Jun-12	20-Jun-12
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***													
BNA	1,1'-Biphenyl	ug/L	--	1.1 U	1 U	1.1 U	1 U	**21**	1.1 U	1.1 U	**1.5**	**2.1**	1.1 U	1 U	1 U	1.1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	1-Methylnaphthalene	ug/L	--	1.1 U	1 U	1.1 U	1 U	**92**	**1.6**	1.1 U	**14 J**	**22**	1.1 U	1 U	1 U	**4.4**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,4-Dichlorophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2-Methylphenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4-Bromophenyl-Phenylether	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	4-Chlorophenyl-Phenylether	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4-Methylphenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	9H-Carbazole	ug/L	--	1.1 U	1 U	1.1 U	1 U	**53**	1.1 U	1.1 U	**8.7**	**7.4**	1.1 U	1 U	1 U	**2.4**
BNA	Atrazine	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Benzaldehyde	ug/L	--	1.1 U	1 U	1.1 U	1 U	**2**	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	2.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Caffeine	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Caprolactam	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	Dibenzofuran	ug/L	--	1.1 U	1 U	1.1 U	1 U	**55**	**2.2**	1.1 U	**21**	**25**	1.1 U	1 U	1 U	1.1
BNA	Diethyl phthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Di-n-Butylphthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.3 U
BNA	Di-n-octylphthalate	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Hexachlorobenzene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Hexachlorobutadiene	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	1.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1.1 UJ
BNA	Isophorone	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Nitrobenzene	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	N-Nitrosodinpropylamine	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1 U	1 U	1.1 U
BNA	Phenol	ug/L	--	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
General	Dissolved Oxygen	mg/L	--	**2**	**2.7**	**2.9**	**2.2**	**0.3**	**0.3**	**2.63**	**0.49**	**--**	**6.02**	**0.3**	**0.5**	**0.51**

TABLE 2

Lower and Upper Aquifer Results - June 2012

Wyckoff

Location ID				02CD-MW01	99CD-MW02	99CD-MW04	CW02	CW05	CW09	CW12	CW15	CW15-FD	MW21	P-1L	P-2L	P-3L
Aquifer				Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Lower	Upper	Lower	Lower	Lower
Sample Date				18-Jun-12	19-Jun-12	20-Jun-12	18-Jun-12	19-Jun-12	18-Jun-12	20-Jun-12	19-Jun-12	19-Jun-12	21-Jun-12	18-Jun-12	18-Jun-12	20-Jun-12
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***													
General	Oxidization Reduction Potential	mV	--	**127**	**-71**	**9**	**113**	**-225**	**-31**	**70**	**-310**	**--**	**17**	**8**	**-35**	**-255**
General	pH	units	--	**8.93**	**8.16**	**7.82**	**7.51**	**7.28**	**7.51**	**7.2**	**7.1**	**--**	**6.82**	**7.06**	**7.38**	**6.94**
General	Salinity	%	--	**0**	**0**	**0**	**0.2**	**1.6**	**1.3**	**0**	**1.5**	**--**	**0.04**	**1**	**1.3**	**2.6**
General	Specific Conductivity	mS/cm	--	**37.7**	**33.1**	**35.1**	**0.333**	**2.57**	**2.21**	**0.344**	**24.3**	**--**	**0.817**	**1.79**	**2.15**	**40.4**
General	Temperature	deg C	--	**13.6**	**13**	**13.8**	**12.8**	**12.3**	**13.4**	**13.05**	**12.36**	**--**	**16.81**	**13.2**	**12.8**	**12.5**
General	Turbidity	NTU	--	**21**	**210**	**100**	**110**	**7**	**180**	**59.9**	**7.8**	**--**	**15**	**120**	**3**	**25.5**
PAH	2-Methylnaphthalene	ug/L	--	0.03 U	**0.064 C**	0.03 U	0.03 U	**1.8 C**	0.03 U	0.03 U	**1.7 C**	**1.2 C**	0.031 U	0.03 U	0.03 U	**0.15 C**
PAH	Acenaphthene	ug/L	3.0	0.03 U	0.03 U	0.03 U	0.03 U	**81**	**14**	0.03 U	**66**	**56**	0.031 U	**0.047**	0.03 U	**14**
PAH	Acenaphthylene	ug/L	--	0.03 U	0.03 U	0.03 U	0.03 U	**1.9**	**0.26**	0.03 U	**1.2**	**0.99**	0.031 U	0.03 U	0.03 U	**0.16**
PAH	Anthracene	ug/L	9.0	**0.041**	0.03 U	**0.033**	0.03 U	**3.3**	**2.9**	**0.063**	**2.2**	**2.2**	**0.21**	0.03 U	0.03 U	**0.35**
PAH	Benzo(a)anthracene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.1 U	**2.7**	0.03 U	0.17 U	0.14 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.8**	0.03 U	**0.049**	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.033 U	**1.7**	0.03 U	0.069 U	0.043 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.18**	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**1.8**	0.03 U	0.042 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.1 U	**2**	0.03 U	0.16 U	0.13 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.065**	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.03 U	0.03 U	0.03 U	0.03 U	**3.3**	**13**	0.03 U	**2.7**	**2.6**	0.031 U	0.03 U	0.03 U	**0.81**
PAH	Fluorene	ug/L	3.0	0.03 U	0.03 U	0.03 U	0.03 U	**40**	**7.8**	0.03 U	**7.4**	**5.7**	0.031 U	0.03 U	0.03 U	**2.4**
PAH	HPAH	ug/L	0.25	0.03 U	0.03 U	0.03 U	0.03 U	**4.8**	**30.425**	0.03 U	**3.9**	**3.8**	0.031 U	0.03 U	0.03 U	**1.29**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.18**	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.03 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.032**	**0.9**	0.03 U	**0.043**	**890**	**0.22**	0.03 U	**98**	**68**	0.031 U	**0.048**	**0.054**	**8.8**
PAH	Phenanthrene	ug/L	--	0.03 U	0.03 U	0.03 U	0.03 U	**36**	**20**	0.03 U	**17**	**15**	0.031 U	0.03 U	0.03 U	**1.2**
PAH	Pyrene	ug/L	15	0.03 U	0.03 U	0.03 U	0.03 U	**1.5**	**8**	0.03 U	**1.2**	**1.2**	0.031 U	0.03 U	0.03 U	**0.48**
PCP	Pentachlorophenol	ug/L	4.9	0.076 U	**0.61**	0.077 U	0.077 U	0.076 U	0.077 U	0.077 U	0.078 U	0.076 U	0.079 U	0.076 U	0.076 U	0.076 U
TPH	Diesel Range Organics	mg/L	--	0.097 U	0.096 U	0.096 U	0.097 U	**2.7**	**0.31**	0.096 U	**0.83**	**0.72**	0.095 U	0.097 U	0.096 U	**0.38**
TPH	Motor Oil Range Organics	mg/L	--	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 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 2

Lower and Upper Aquifer Results - June 2012

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				20-Jun-12	19-Jun-12	19-Jun-12	20-Jun-12	21-Jun-12	21-Jun-12	20-Jun-12	18-Jun-12	18-Jun-12	21-Jun-12	21-Jun-12	19-Jun-12	19-Jun-12	20-Jun-12
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
BNA	1,1'-Biphenyl	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	**5.8**	1 U	1.1 U	**4**	**4**	1 U	1.1 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	1-Methylnaphthalene	ug/L	--	**4.3**	1 U	1 U	1.1 U	1.1 U	1.1 U	**15**	1 U	1.1 U	**39**	**40**	1 U	1.1 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,4-Dichlorophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2-Chlorophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2-Methylphenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	2-Nitrophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4-Bromophenyl-Phenylether	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4-Chloroaniline	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	4-Chlorophenyl-Phenylether	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4-Methylphenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	4-Nitroaniline	ug/L	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	9H-Carbazole	ug/L	--	**2.3**	1 U	1 U	1.1 U	1.1 U	1.1 U	**15**	1 U	1.1 U	**21**	**21**	1 U	1.1 U	1 U
BNA	Atrazine	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	0.62 J	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Benzaldehyde	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	bis(2-Chloroethoxy)methane	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.6 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Caffeine	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Caprolactam	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	Dibenzofuran	ug/L	--	1.1	1 U	1 U	1.1 U	1.1 U	1.1 U	**15**	1 U	1.1 U	**29**	**28**	1 U	1.1 U	1 U
BNA	Diethyl phthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Di-n-Butylphthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Hexachlorobenzene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1 UJ
BNA	Isophorone	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Nitrobenzene	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	N-Nitrosodinpropylamine	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
BNA	Phenol	ug/L	--	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U
General	Dissolved Oxygen	mg/L	--	--	**0.69**	**8.41**	**2.63**	**0**	**4.72**	**0.4**	**6.25**	**0.38**	**0.6**	--	**6.58**	**6.38**	**2**

TABLE 2

Lower and Upper Aquifer Results - June 2012

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				20-Jun-12	19-Jun-12	19-Jun-12	20-Jun-12	21-Jun-12	21-Jun-12	20-Jun-12	18-Jun-12	18-Jun-12	21-Jun-12	21-Jun-12	19-Jun-12	19-Jun-12	20-Jun-12
Chemical Group	**Analyte**	**Units**	**Groundwater Cleanup Level (ug/L)***														
General	Oxidization Reduction Potential	mV	--	**--**	**-59**	**-6**	**40**	**-68**	**191**	**23**	**239**	**105**	**-257**	**--**	**82**	**67**	**95**
General	pH	units	--	**--**	**7.44**	**7.4**	**8.98**	**7.28**	**6.47**	**6.55**	**7.1**	**7.16**	**7.24**	**--**	**8.04**	**9.02**	**8.42**
General	Salinity	%	--	**--**	**2**	**0**	**0**	**0.05**	**0.02**	**0**	**--**	**0.2**	**1.9**	**--**	**0**	**0**	**0**
General	Specific Conductivity	mS/cm	--	**--**	**32.9**	**0.301**	**0.3**	**0.858**	**0.4**	**23.2**	**507**	**2.97**	**3.09**	**--**	**0.442**	**0.279**	**35.6**
General	Temperature	deg C	--	**--**	**12.18**	**13.37**	**12.56**	**11.61**	**8.95**	**10.4**	**11.32**	**11.58**	**15.4**	**--**	**13.51**	**12.88**	**14.1**
General	Turbidity	NTU	--	**--**	**45.7**	**41**	**45.8**	**10**	**0**	**21**	**13.9**	**31.5**	**31**	**--**	**32.2**	**60**	**8**
PAH	2-Methylnaphthalene	ug/L	--	**0.15 C**	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**1.4 C**	0.03 U	0.03 U	**11 C**	**15 C**	0.03 U	0.031 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	**16**	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**15**	0.03 U	0.03 U	**35**	**60**	0.03 U	0.031 U	0.03 U
PAH	Acenaphthylene	ug/L	--	**0.16**	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.64**	0.03 U	0.03 U	**0.76**	**0.9**	0.03 U	0.031 U	0.03 U
PAH	Anthracene	ug/L	9.0	**0.36**	0.03 U	0.03 U	0.03 U	**0.061**	**0.088**	**0.69**	0.03 U	0.03 U	**3.2**	**3.8**	0.03 U	0.031 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**1.8**	**0.96**	0.03 U	0.031 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.42**	**0.25**	0.03 U	0.031 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.57**	**0.33**	0.03 U	0.031 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.1**	**0.061**	0.03 U	0.031 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.37**	**0.16**	0.03 U	0.031 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**1.5**	**0.82**	0.03 U	0.031 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.038**	0.03 U	0.03 U	0.031 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.86**	**0.092**	0.03 U	0.03 U	0.03 U	0.03 U	**0.11**	0.03 U	**0.032**	**11**	**7.6**	**0.04**	0.031 U	0.03 U
PAH	Fluorene	ug/L	3.0	**2.6**	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**2.9**	0.03 U	0.03 U	**19**	**22**	0.03 U	0.031 U	0.03 U
PAH	HPAH	ug/L	0.25	**1.37**	**0.145**	0.03 U	0.03 U	0.03 U	0.03 U	**0.11**	0.03 U	**0.032**	**21.998**	**14.243**	**0.04**	0.031 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.030	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**0.1**	**0.062**	0.03 U	0.031 U	0.03 U
PAH	Naphthalene	ug/L	83	**9.8**	0.03 U	**0.046**	0.03 U	**0.057**	0.03 U	**490**	**0.1**	**0.074**	**190**	**260**	0.03 U	0.031 U	0.03 U
PAH	Phenanthrene	ug/L	--	**1.3**	**0.13**	0.03 U	0.03 U	0.03 U	0.03 U	**2.2**	0.03 U	**0.03** J	**36**	**32**	**0.1**	0.031 U	0.03 U
PAH	Pyrene	ug/L	15	**0.51**	**0.053**	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	**6.1**	**4**	0.03 U	0.031 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.076 U	0.076 U	0.076 U	0.077 U	0.078 U	0.077 U	0.076 U	0.076 U	0.076 U	0.076 U	0.076 U	0.078 U	0.078 U	0.076 U
TPH	Diesel Range Organics	mg/L	--	0.095 U	0.095 U	0.096 U	0.095 U	0.096 U	0.096 U	**0.4**	0.095 U	0.096 U	**1.4**	**1.7**	0.095 U	0.1 U	0.096 U
TPH	Motor Oil Range Organics	mg/L	--	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2 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

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.

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

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

Table 3
All Lower Aquifer Results - 1994 through June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	5 U	--	--	--	--	0.48 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	0.4 UJ	1 U	0.94 U	0.89 U	0.48 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	0.48 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
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
BNA	2,4-Dichlorophenol	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U
BNA	2,4-Dimethylphenol	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 UJ
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	20 U	4 U	10 U	7.5 U	0.89 U	0.48 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
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
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	--	--	5 U	0.4 U	4 U	0.94 U	0.89 U	0.48 U
BNA	2-Chlorophenol	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U
BNA	2-Methylnaphthalene	ug/L	--	**0.025 J**	--	--	5 U	0.4 U	--	--	--	--
BNA	2-Methylphenol	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	1.8 U	0.48 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
BNA	2-Nitrophenol	ug/L	--	1.9 U	--	--	5 U	0.4 U	1 U	1.9 U	0.89 U	0.48 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
BNA	3-Nitroaniline	ug/L	--	1.9 U	--	--	20 U	0.8 U	1 U	0.94 UJ	0.89 U	0.48 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	3.7 U	--	--	20 U	2 U	4 U	1.9 U	0.89 U	0.96 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
BNA	4-Chloro-3-methylphenol	ug/L	--	0.37 U	--	--	5 U	0.8 U	1 U	1.9 U	0.89 U	0.48 U
BNA	4-Chloroaniline	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	2 U	19 UJ	0.89 U	0.48 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U
BNA	4-Methylphenol	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	20 U	0.8 U	1 U	3.8 UJ	0.89 UJ	0.48 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	--	--	20 U	4 U	4 U	19 U	0.89 U	0.48 UJ
BNA	9H-Carbazole	ug/L	--	0.37 U	--	--	--	0.4 U	4 U	1.9 U	0.89 U	0.48 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	Acetophenone	ug/L	--	0.74 U	--	--	5 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
BNA	Benzaldehyde	ug/L	--	0.74 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 UJ
BNA	Benzenemethanol	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
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
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
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
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	--	--	5 U	0.4 U	1 U	0.94 U	0.89 U	0.48 U
BNA	Caffeine	ug/L	--	--	--	--	--	0.4 U	1 U	--	--	0.48 UJ
BNA	Caprolactam	ug/L	--	1.9 U	--	--	5 UJ	2 UJ	1 U	19 U	0.89 UJ	0.48 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	0.94 U	0.89 U	0.48 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
BNA	Dimethylphthalate	ug/L	--	0.37 U	--	--	5 U	0.4 U	**0.4 J**	0.94 U	0.89 U	0.48 UJ
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	0.4 U	1 U	0.94 U	0.89 U	0.48 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
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	1 U	0.94 U	0.89 U	0.48 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	--	--	5 U	0.4 UJ	2 U	1.9 U	0.89 U	0.48 UJ
BNA	Hexachloroethane	ug/L	--	0.37 U	--	--	5 U	0.4 UJ	1 U	0.94 U	0.89 U	0.48 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	--	--	5 U	0.4 U	1 U	--	0.89 UJ	0.48 UJ
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--
General	Oxidization Reduction Potential	mV	--	--	--	--	**28**	**278**	**54**	**218**	**91**	**184**
General	pH	units	--	--	--	--	**6.54**	**6.53**	**7.31**	**7.43**	**6.8**	**7.56**
General	Salinity	%	--	--	--	--	**--**	**0.01**	**0**	**0.01**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	--	**0.26**	**0.313**	**0.346**	**0.313**	**0.346**	**0.37**
General	Temperature	°C	--	--	--	--	**10.8**	**12.51**	**10.7**	**14.7**	**12.7**	**11.32**
General	Turbidity	ntu	--	--	--	--	**6.2**	**1.2**	**206**	**23.9**	**195**	**98.3**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
PCP	Pentachlorophenol	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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	460 U	240 U	190 U	460 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	5 U	--	--	--	--	0.45 UJ	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
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.45 U	1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	0.74 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	20 U	4 U	10 U	7.8 UJ	0.86 UJ	0.45 UJ	2.1 U
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
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
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
BNA	2-Chlorophenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 UJ	0.86 UJ	0.45 UJ	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	0.98 U	1.7 UJ	0.45 UJ	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
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
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
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
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	3.7 U	20 UJ	2 U	4 U	2 UJ	0.86 UJ	0.9 U	1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	0.37 U	5 U	0.8 U	1 U	2 UJ	0.86 UJ	0.45 UJ	1 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
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U
BNA	4-Methylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	1 U
BNA	4-Nitroaniline	ug/L	--	--	20 U	0.8 U	1 U	3.9 UJ	R	0.45 U	2.1 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
BNA	9H-Carbazole	ug/L	--	0.37 U	--	0.4 U	4 U	2 UJ	0.86 UJ	0.45 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	Acetophenone	ug/L	--	0.74 U	5 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
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
BNA	Benzenemethanol	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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	1 U	--	--	0.45 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
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
BNA	Diethylphthalate	ug/L	--	0.37 U	5 UJ	0.4 U	1 U	2 UJ	0.86 UJ	0.45 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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	0.4 U	1 U	0.98 U	0.86 UJ	0.45 UJ	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
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
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	5 U	0.4 UJ	2 U	2 U	0.86 UJ	0.45 UJ	1 UJ
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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.45 UJ	1 U
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	--	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	**99**	**63**	**85**	**130**	**40**	**107**	**113**
General	pH	units	--	--	**7.1**	**7.01**	**7.07**	**6.81**	**7.01**	**7.35**	**7.51**
General	Salinity	%	--	--	**0.11**	**0.12**	**0.13**	**0.1**	**0.07**	**0.1**	**0.2**
General	Specific Conductivity	mS	--	--	**2.25**	**2.55**	**2.71**	**2.79**	**1.56**	**1.34**	**0.333**
General	Temperature	°C	--	--	**12.3**	**13.75**	**12.2**	**11.74**	**14.14**	**12.45**	**12.8**
General	Turbidity	ntu	--	--	**14.8**	**85.1**	**88**	**44.6**	**0**	**22.9**	**110**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
PCP	Pentachlorophenol	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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	230 U	**300**	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
* 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 June 2012
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	CW05 9/15/2009	CW05 5/4/2010	CW05 6/19/2012
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U	0.94 UJ	**15.3**	**21**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	--	5 U	--	--	--	--	0.47 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ	0.94 U	0.47 UJ	1 UJ
BNA	1,2-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ	0.94 U	--	--
BNA	1,2-Diphenylhydrazine	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	1 U	0.94 UJ	--	--
BNA	1,3-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.94 U	--	--
BNA	1,4-Dichlorobenzene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	1 UJ	0.94 U	--	--
BNA	1-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	0.4 UJ	1 U	--	0.94 U	--	**92**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	0.47 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	--	0.37 U	20 U	0.8 U	1 U	2 U	0.94 U	**0.65 J**	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2 U	0.94 U	**0.62 J**	1 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 UJ	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	20 U	4 U	10 U	8 U	0.94 U	0.47 U	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.8 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	2 U	2 U	0.94 U	0.94 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	4 U	1 U	0.94 U	0.47 U	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 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	1.9 U	0.47 U	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	--	1.9 U	20 U	0.8 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.4 U	1 U	2 U	0.94 U	0.47 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	--	1.9 U	5 UJ	0.8 UJ	1 U	16 UJ	0.94 UJ	0.47 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	--	1.9 U	20 U	0.8 UJ	1 U	1 U	0.94 U	0.47 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	--	3.7 U	20 U	2 U	4 U	2 U	0.94 U	0.94 U	1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.8 U	1 U	2 U	0.94 U	0.47 U	1 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	2 U	20 UJ	0.94 U	0.47 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 U	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	--	20 U	0.8 U	1 U	4 U	0.94 UJ	0.47 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	--	1.9 U	20 U	4 U	4 U	20 U	0.94 U	0.47 UJ	1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	--	0.37 U	--	0.4 U	4 U	2 U	0.94 U	**45**	**53**
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	Acetophenone	ug/L	--	--	--	--	--	--	0.74 U	5 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	0.94 U	0.47 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 UJ	**2**
BNA	Benzenemethanol	ug/L	--	--	--	--	--	--	--	--	0.8 UJ	2 U	R	1.9 UJ	**--**	**--**
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	3.1 U	--	**--**
BNA	bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 UJ	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	1 UJ	1 U	2 U	0.94 U	0.47 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.42 U	1 U	1 U	0.94 U	0.47 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	--	--	0.47 UJ	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	--	1.9 UJ	5 UJ	0.79 UJ	1 U	20 U	0.94 UJ	0.47 UJ	1 UJ
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	0.94 U	**29 J**	**55**
BNA	Diethylphthalate	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	2 U	0.94 U	0.47 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	1 U	0.94 U	0.47 UJ	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	--	0.74 U	5 U	0.4 U	1 U	2 U	0.94 U	0.47 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	--	1.9 U	5 U	0.79 U	1 U	2 U	0.94 U	0.47 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	--	--	--	0.4 U	1 U	1 U	0.94 U	0.47 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	0.94 U	0.47 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	--	1.9 UJ	5 U	0.4 UJ	2 U	2 U	0.94 U	0.47 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	--	--	--	--	--	0.37 UJ	5 U	0.4 UJ	1 U	1 U	0.94 U	0.47 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 UJ	1 U	1 U	0.94 U	0.47 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	--	0.94 U	0.47 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	0.94 U	0.47 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	--	0.94 UJ	0.47 UJ	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	0.94 U	0.47 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**	**4.39**	**0**	**0.3**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	--	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	--	**24**	**-15**	**-38**	**-28**	**-38**	**-26**	**-225**
General	pH	units	--	--	--	--	--	--	--	**6.87**	**6.52**	**7.19**	**7.2**	**7.15**	**7.33**	**7.28**
General	Salinity	%	--	--	--	--	--	--	--	**0.82**	**1.22**	**2.6**	**1.79**	**1.52**	**1.7**	**1.6**
General	Specific Conductivity	mS	--	--	--	--	--	--	--	**14.4**	**20.6**	**40.7**	**29.1**	**25.1**	**28.4**	**2.57**
General	Temperature	°C	--	--	--	--	--	--	--	**12.1**	**13.43**	**11.5**	**14.9**	**13.46**	**11.82**	**12.3**
General	Turbidity	ntu	--	--	--	--	--	--	--	**11.9**	**50**	**0.4**	**6.4**	**0**	**15.5**	**7**
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	0.029 U	**220**	**1.8**
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	**0.074**	**74**	**81**
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	0.029 U	**1.6**	**1.9**
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	0.029 U	**2.9**	**3.3**
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**	**0.13**	**0.43 J**	0.1 U
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	0.029 U	**0.043 J**	0.03 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**	**0.035**	**0.099 J**	0.033 U
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	0.029 U	0.03 U	0.03 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	0.029 U	0.03 U	0.03 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**	**0.091**	**0.087**	0.1 U
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	0.029 U	0.03 U	0.03 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**	**1.3**	**2.6**	**3.3**
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	0.029 U	**28**	**40**
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**	**2.396 C**	**4.859 C**	**4.8 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	0.029 U	**0.03 U**	0.03 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	**0.059**	**3,600**	**890**
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	0.029 U	**19**	**36**
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**	**0.84**	**1.6**	**1.5**
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	0.037 U	0.074 U	0.038 U	0.074 U	0.075 U	0.074 U	**80**	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	**7,000**	**2,700**
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	--	460 U	230 U	190 U	480 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.44 UJ	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	1 U	0.86 UJ	0.44 UJ	1.1 UJ
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**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.44 U	1.1 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
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
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
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
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	4 U	10 U	8.3 UJ	0.86 UJ	0.44 UJ	2.1 U
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	0.8 U	1 U	4.2 UJ	R	0.44 U	2.1 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
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
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	Acetophenone	ug/L	--	--	--	--	--	0.74 U	5 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
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
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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.4 UJ	1 U	--	--	0.44 U	1.1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	1.9 U	5 UJ	0.79 UJ	1 U	21 U	R	0.44 UJ	1.1 UJ
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**
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
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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	--	--	0.4 U	1 U	1 U	0.86 UJ	0.44 UJ	1.1 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
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
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
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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	1 U	--	0.86 UJ	0.44 UJ	1.1 U
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
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
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**65**	**-57**	**-47**	**-32**	**-29**	**-48**	**-31**
General	pH	units	--	--	--	--	--	--	**6.65**	**7**	**7.06**	**6.98**	**6.86**	**7.16**	7.51
General	Salinity	%	--	--	--	--	--	--	**0.82**	**0.8**	**2**	**1.1**	**1.32**	**1.5**	**1.3**
General	Specific Conductivity	mS	--	--	--	--	--	--	**14.4**	**16.3**	**31.9**	**19.6**	**22**	**25**	2.21
General	Temperature	°C	--	--	--	--	--	--	**11.8**	**13.71**	**11.2**	**11.76**	**13.97**	**13.03**	13.4
General	Turbidity	ntu	--	--	--	--	--	--	**2.8**	**25.1**	**28.5**	**23.5**	**0**	--	**180**
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
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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
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**
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	230 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
* 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	5 U	--	--	--	--	0.44 U	1.1 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
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	0.44 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	--	0.74 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	20 U	4 UJ	10 U	7.8 U	0.93 UJ	0.44 UJ	2.2 U
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
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
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
BNA	2-Chlorophenol	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	0.37 U	5 U	0.39 UJ	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	0.37 U	5 U	--	1 U	0.98 U	1.9 UJ	0.44 U	1.1 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
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
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
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
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	3.7 U	20 UJ	2 UJ	4 U	2 U	0.93 UJ	0.88 U	1.1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	--	0.37 U	5 U	0.78 UJ	1 U	2 U	0.93 UJ	0.44 U	1.1 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
BNA	4-Chlorophenyl-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
BNA	4-Methylphenol	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 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
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
BNA	9H-Carbazole	ug/L	--	--	0.37 U	--	0.39 UJ	4 U	**2**	0.93 UJ	0.44 U	1.1 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	Acetophenone	ug/L	--	--	0.74 U	5 U	--	--	--	--	--	--
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
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
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 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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	--	0.39 UJ	1 U	--	--	0.44 UJ	1.1 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
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
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
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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	0.39 UJ	1 U	0.98 U	0.93 UJ	0.44 U	1.1 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
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
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
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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.37 U	5 U	0.39 UJ	1 U	--	0.93 UJ	0.44 UJ	1.1 U
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	--	--	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	--	**132**	**272**	**-4**	**25**	**160**	**121**	**70**
General	pH	units	--	--	--	**6.78**	**6.65**	**8.75**	**7.63**	**6.81**	**7.56**	7.2
General	Salinity	%	--	--	--	**0**	**0.01**	**0**	**0.01**	**0**	**0**	0
General	Specific Conductivity	mS	--	--	--	**0.319**	**0.282**	**0.329**	**0.286**	**0.327**	**0.33**	0.344
General	Temperature	°C	--	--	--	**13.41**	**16**	**12.1**	**12.49**	**14.92**	**12.65**	13.05
General	Turbidity	ntu	--	--	--	**1.2**	**22.7**	**23.2**	**31.8**	**24.9**	**11.2**	**59.9**
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
PCP	Pentachlorophenol	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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	460 U	230 U	**330**	480 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 June 2012
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-methylphenol	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-methylphenol	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	Acetophenone	ug/L	--	--	--	--	--	0.74 U	5 U	5 U	--	--	--
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	--	--	--	--	--	--	--	--	0.4 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

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 June 2012
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
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**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	**--**	--	0.5 U	0.47 U	1 U	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
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**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.5 U	0.47 U	1 U	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
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
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
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
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
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
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
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
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
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
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
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
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
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
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	4 U	2 U	1.9 U	0.94 U	1 UJ	1 U	0.94 U	1 U	1 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
BNA	4-Chloro-3-methylphenol	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
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
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
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
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
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
BNA	9H-Carbazole	ug/L	--	**11 J**	**3.4**	**3.6**	**3**	1 UJ	**17**	**14**	**8.7**	**7.4**
BNA	Acenaphthene	ug/L	3.0	--	--	--	**--**	--	**--**	**--**	**--**	**--**
BNA	Acenaphthylene	ug/L	--	--	--	--	**--**	--	**--**	**--**	**--**	**--**
BNA	Acetophenone	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
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
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
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
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
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
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
BNA	Caffeine	ug/L	--	0.9 U	--	--	--	--	0.5 UJ	0.47 UJ	1 U	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
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**
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
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
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
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
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
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
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
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
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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	0.9 U	--	--	0.94 UJ	1 UJ	0.5 UJ	0.47 UJ	1 UJ	1 U
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
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	0.9 U	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	**0**	--	**4.37**	--	**0**	--	**0.49**	--
General	Eh	mV	--	--	--	--	**--**	--	**--**	--	--	--
General	Oxidization Reduction Potential	mV	--	**--**	**-286**	**--**	**-109**	**--**	**-269**	**--**	**-310**	--
General	pH	units	--	--	**6.98**	--	**6.75**	--	**6.73**	--	**7.1**	--
General	Salinity	%	--	--	**1.17**	--	**0.59**	--	**1**	--	**1.5**	--
General	Specific Conductivity	mS	--	--	**19.6**	--	**9.99**	--	**16.8**	--	**24.3**	--
General	Temperature	°C	--	--	**14.6**	--	**13.81**	--	**11.81**	--	**12.36**	--
General	Turbidity	ntu	--	--	**90.3**	--	**0**	--	**3.1**	--	**7.8**	--
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**
PAH	Acenaphthene	ug/L	3.0	**70**	**60**	**35**	**160**	**160**	**170**	**180**	**66**	**56**
PAH	Acenaphthylene	ug/L	--	**0.33**	**0.37**	**0.21**	**0.67**	**0.79**	**1.8**	**1.7**	**1.2**	**0.99**
PAH	Anthracene	ug/L	9	1.2	1.4	1	1.9	1.8	2.7	2.1	**2.2**	**2.2**
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
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
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
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
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
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
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
PAH	Fluoranthene	ug/L	3.0	**1.9**	**3.4**	**2.7**	**3.3**	**3.5**	**3.9**	**4.6**	**2.7**	**2.6**
PAH	Fluorene	ug/L	3.0	**9**	**14**	**6.8**	**0.13**	**0.61**	**36**	**21**	**7.4**	**5.7**
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**
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
PAH	Naphthalene	ug/L	83	300 **	**47**	**24**	**0.5**	**1.4**	**340**	**130**	**98**	**68**
PAH	Phenanthrene	ug/L	--	**29**	**35**	**27**	**6.8**	**15**	**37**	**30**	**17**	**15**
PAH	Pyrene	ug/L	15	**0.99**	**1.6**	**1.2**	**1.6**	**1.7**	**2**	**2.1**	**1.2**	**1.2**
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
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**
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

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

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 quantities): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(a)pyr dibenzo(a,h)anthracene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene.

Table 3
All Lower Aquifer Results - 1994 through June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	5 U	--	--	--	--	0.48 UJ	1.1 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
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	0.48 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	--	0.74 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	20 U	4 U	9.3 U	8.2 UJ	0.89 UJ	0.48 UJ	2.1 U
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
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
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
BNA	2-Chlorophenol	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 UJ	0.89 UJ	0.48 UJ	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	0.37 U	5 U	0.39 U	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	1.78 UJ	0.48 UJ	1.1 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
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
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
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
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	3.7 U	20 UJ	2 U	4 U	2 UJ	0.89 UJ	0.96 U	1.1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	--	0.37 U	5 U	0.78 U	0.9 U	2 UJ	0.89 UJ	0.48 UJ	1.1 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
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	0.37 U	5 UJ	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U
BNA	4-Methylphenol	ug/L	--	--	0.37 U	5 U	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 U
BNA	4-Nitroaniline	ug/L	--	--	--	20 U	0.78 U	0.9 U	4.1 UJ	R	0.48 U	2.1 U
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
BNA	9H-Carbazole	ug/L	--	--	0.37 U	--	**0.12 J**	4 U	2 UJ	0.89 UJ	0.48 U	1.1 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	Acetophenone	ug/L	--	--	0.74 U	5 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
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
BNA	Benzenemethanol	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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	--	0.39 UJ	0.9 U	--	--	0.48 U	1.1 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
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
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
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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	0.39 U	0.9 U	1 U	0.89 UJ	0.48 UJ	1.1 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
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
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
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
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
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
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
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
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	--	**-152**	**33**	**39**	**-60**	**-105**	**-28**	**127**
General	pH	units	--	--	--	**8.29**	**8.87**	**8.52**	**9.03**	**8.54**	**7.6**	**8.93**
General	Salinity	%	--	--	--	**0.01**	**0.01**	**0**	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	**0.223**	**0.318**	**3**	**0.269**	**0.388**	**0.294**	**37.7**
General	Temperature	°C	--	--	--	**15.6**	**17.38**	**13.7**	**13.16**	**15.97**	**13.73**	**13.6**
General	Turbidity	ntu	--	--	--	**41.6**	**33.5**	**35.3**	**28.2**	**9.7**	**29.6**	**21**
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
PCP	Pentachlorophenol	ug/L	4.9	--	0.037 U	0.074 U	0.038 U	0.075 U	0.074 U	0.074 U	0.077 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	98 U	97 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	**580**	230 U	190 U	460 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 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.49 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
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.49 U	1 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	1.9 U	20 U	4 U	4 U	20 U	0.96 U	0.49 UJ	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
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	Acetophenone	ug/L	--	--	--	--	--	**0.14 J**	5 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
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
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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	--	--	0.49 UJ	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
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
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
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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	--	--	0.4 U	0.9 U	0.98 U	0.96 U	0.49 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
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
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	0.74 U	5 U	0.4 UJ	2 U	2 U	0.96 U	0.49 UJ	1 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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.4 U	0.9 U	--	0.96 UJ	0.49 UJ	1 U
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
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**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**-259**	**-1**	**-64**	**-92**	**-161**	**53**	**-71**
General	pH	units	--	--	--	--	--	--	**8.11**	**7.56**	**7.92**	**7.99**	**7.75**	**8.24**	**8.16**
General	Salinity	%	--	--	--	--	--	--	**0.01**	**0.001**	**0**	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	--	--	--	**0.231**	**0.292**	**0.289**	**0.299**	**0.331**	**0.244**	**33.1**
General	Temperature	°C	--	--	--	--	--	--	**12.6**	**14**	**11.7**	**15.2**	**14.8**	**12.47**	**13**
General	Turbidity	ntu	--	--	--	--	--	--	**18**	**99.8**	**10**	**47.8**	**21**	**50.7**	**210**
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**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	**0.43**	**1.2**	**3.2**	**0.71**	**1.1**	**0.55 J**	**0.16**	**0.61**
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	240 U	**250**	460 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 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	5 U	--	--	--	--	0.48 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	--	--	0.39 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	--	--	--	--	0.48 U	1.1 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
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
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
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
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	20 U	3.8 U	10 U	8 U	0.94 U	0.48 UJ	2.1 U
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	--	20 U	0.78 U	1 U	4 UJ	0.94 UJ	0.48 U	2.1 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
BNA	9H-Carbazole	ug/L	--	--	--	--	--	0.37 U	--	0.39 U	4 U	2 U	0.94 U	0.48 U	1.1 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	Acetophenone	ug/L	--	--	--	--	--	0.37 U	5 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
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
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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.39 U	1 U	--	--	0.48 UJ	1.1 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
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
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
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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	--	--	0.39 U	1 U	1 U	0.94 U	0.48 U	1.1 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
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
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
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
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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	0.37 U	5 U	0.39 U	1 U	--	0.94 UJ	0.48 UJ	1.1 U
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
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**
General	Eh	mV	--	--	--	--	--	--	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	--	--	--	--	**-78**	**18**	**-15**	**26**	**76**	**-50**	**9**
General	pH	units	--	--	--	--	--	--	**7.57**	**6.89**	**7.97**	**8.05**	**6.65**	**7.9**	**7.82**
General	Salinity	%	--	--	--	--	--	--	**0.01**	**0.01**	**0**	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	--	--	--	--	--	**0.213**	**0.274**	**0.308**	**0.325**	**0.313**	**0.284**	**35.1**
General	Temperature	°C	--	--	--	--	--	--	**14.4**	**15.76**	**13.6**	**15.9**	**15.37**	**13.33**	**13.8**
General	Turbidity	ntu	--	--	--	--	--	--	**4.7**	**25**	**66.4**	**34.6**	**145**	**77.5**	**100**
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
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
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
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**
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
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
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
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
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 UJ	0.031 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
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
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
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
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
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
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
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
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
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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	--	460 U	230 U	200 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
* 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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	--	--	--	--	1 U	0.86 UJ	0.45 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	--	--	0.45 UJ	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.45 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U
BNA	2,4-Dichlorophenol	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	2,4-Dimethylphenol	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	2,4-Dinitrophenol	ug/L	--	--	--	--	--	8.2 UJ	0.86 UJ	0.45 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	--	--	--	--	2 U	0.86 U	0.9 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	2-Chlorophenol	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	--	--	--	--	1 U	1.7 U	0.45 UJ	1 U
BNA	2-Nitroaniline	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	2-Nitrophenol	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 UJ	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	--	--	--	--	R	0.86 UJ	0.45 U	2.1 U
BNA	3-Nitroaniline	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.9 U	1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 UJ	1 U
BNA	4-Chloroaniline	ug/L	--	--	--	--	--	R	0.86 U	0.45 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	4-Methylphenol	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	4-Nitroaniline	ug/L	--	--	--	--	--	4.1 UJ	0.86 UJ	0.45 UJ	2.1 U
BNA	4-Nitrophenol	ug/L	--	--	--	--	--	20 UJ	0.86 UJ	0.45 UJ	1 U
BNA	9H-Carbazole	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Acetophenone	ug/L	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U
BNA	Benzaldehyde	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	Benzenemethanol	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
BNA	bis(2-Chloroethyl)ether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	--	--	--	0.45 U	1 U
BNA	Caprolactam	ug/L	--	--	--	--	--	20 U	0.86 UJ	0.45 UJ	1 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
BNA	Diethylphthalate	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U
BNA	Dimethylphthalate	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	--	--	--	--	2 UJ	0.86 U	0.45 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	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
BNA	Hexachlorobutadiene	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	--	--	--	--	2 U	0.86 U	0.45 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 UJ
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
BNA	Naphthalene	ug/L	83	--	--	--	--	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	--	--	--	0.86 U	0.45 UJ	1 U
BNA	n-Nitrosodimethylamine	ug/L	--	--	--	--	--	1 U	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	--	--	--	--	1 UJ	0.86 U	0.45 UJ	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	--	--	--	0.86 UJ	0.45 UJ	1 U
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	--	--	--	--	1 U	0.86 U	0.45 UJ	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	--	--	--	--	**9.14**	**2.76**	**3.43**	**6.25**
General	Eh	mV	--	--	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	--	--	--	**96**	**135**	**43**	**239**
General	pH	units	--	--	--	--	--	**6.95**	**6.88**	**4.43**	**7.1**
General	Salinity	%	--	--	--	--	--	**0.01**	**0**	**0**	--
General	Specific Conductivity	mS	--	--	--	--	--	**0.235**	**0.362**	**0.401**	**507**
General	Temperature	°C	--	--	--	--	--	**10.84**	**13.45**	**11.8**	**11.32**
General	Turbidity	ntu	--	--	--	--	--	**16.7**	**3.8**	**41.5**	**13.9**
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
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
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
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
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
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
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
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
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
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
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
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
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
PAH	HPAH	ug/L	0.25	--	--	--	--	0.029 U	0.029 U	0.029 U	0.03 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
PAH	Naphthalene	ug/L	83	10 U	0.41 U	**2 J**	**3**	0.029 U	0.029 U	**0.048**	**0.1**
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
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
PCP	Pentachlorophenol	ug/L	4.9	--	--	--	--	0.074 U	0.074 U	0.075 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	93 U	94 U	95 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	--	--	--	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
* 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 June 2012
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
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
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	--	--	0.48 UJ	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.48 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	20 U	20 U	4 U	10 U	7.8 U	1 U	0.48 UJ	2.1 U
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
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
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
BNA	2-Chlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	2 U	0.48 U	1.1 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
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2 UJ	1 U	0.48 U	1.1 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
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
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	20 U	20 UJ	1.98 U	4 U	2 U	1 U	0.96 U	1.1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	5 U	5 U	0.8 U	1 U	2 U	1 U	0.48 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	R	1 U	0.48 UJ	1.1 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
BNA	4-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 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
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	20 U	1 U	0.48 UJ	1.1 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	4 U	2 U	1 U	0.48 U	1.1 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	Acetophenone	ug/L	--	5 U	5 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
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	0.98 U	1 U	0.48 UJ	1.1 U
BNA	Benzenemethanol	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
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
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
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
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
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	1 U	--	--	0.48 UJ	1.1 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
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
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	**0.1 J**	2 U	1 U	0.48 U	1.1 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
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
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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	0.4 U	1 U	0.98 U	1 U	0.48 U	1.1 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
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	2 U	1 U	0.48 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.98 U	1 U	0.48 UJ	1.1 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	--	1 UJ	0.48 UJ	1.1 U
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	**260**	--	--	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	**-79**	**-68**	**-83**	**78**	**-85**	**-124**	**-68**
General	pH	units	--	**6.38**	**6.58**	**6.95**	**6.81**	**6.68**	**7**	**7.13**	**7.28**
General	Salinity	%	--	--	**0.27**	**0.03**	**0.3**	**0**	**0**	**0.1**	**0.05**
General	Specific Conductivity	mS	--	**0.431**	**5.17**	**0.732**	**6.52**	**0.94**	**0.532**	**2.24**	**0.858**
General	Temperature	°C	--	**12.26**	**12.1**	**12.88**	**11.2**	**11.66**	**13.78**	**11.44**	**11.61**
General	Turbidity	ntu	--	**49**	**28**	**8.2**	**0.4**	**9.7**	**3.1**	**31**	**10**
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
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
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
PAH	Anthracene	ug/L	9	--	**0.026 J**	**0.041**	**0.075**	**0.059**	**0.056**	**0.099**	**0.061**
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
PCP	Pentachlorophenol	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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	230 U	190 U	480 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 June 2012
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-Dichlorophenol	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	1 U	5 U	5 U	0.4 U	1 U
BNA	2,4-Dinitrophenol	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-Chlorophenol	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-Methylphenol	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-methylphenol	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-methylphenol	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-Methylphenol	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	Acetophenone	ug/L	--	5 U	5 U	--	5 U	5 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	--	--	--	1 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

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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 UJ	0.48 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	--	--	0.48 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.96 U	0.48 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	--	0.48 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
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
BNA	2,4-Dichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 UJ
BNA	2,4-Dinitrophenol	ug/L	--	20 U	20 U	4 U	10 U	8.3 UJ	0.96 U	0.48 UJ
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	1 U	0.96 U	0.48 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
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 U	0.4 U	4 U	1 U	0.96 U	0.48 U
BNA	2-Chlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	5 U	0.4 U	--	--	--	--
BNA	2-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	1.9 U	0.48 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 U	0.96 U	0.48 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	2.1 UJ	0.96 U	0.48 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	5 U	5 UJ	0.8 UJ	1 U	R	0.96 UJ	0.48 UJ
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	1 UJ	0.96 U	0.48 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	20 U	20 UJ	2 U	4 U	2.1 U	0.96 U	0.96 U
BNA	4-Bromophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	4-Chloro-3-methylphenol	ug/L	--	5 U	5 U	0.8 U	1 U	2.1 U	0.96 U	0.48 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	R	0.96 U	0.48 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	4-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	4.2 UJ	0.96 UJ	0.48 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	21 UJ	0.96 U	0.48 UJ
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	4 U	2.1 U	0.96 U	0.48 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	Acetophenone	ug/L	--	5 U	5 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**
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 UJ
BNA	Benzenemethanol	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
BNA	bis(2-Chloroethyl)ether	ug/L	--	5 U	5 U	0.4 U	1 U	1 U	0.96 U	0.48 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
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	2.1 U	0.96 U	0.48 U
BNA	Butylbenzylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	1 U	--	--	0.48 UJ
BNA	Caprolactam	ug/L	--	**0.23 J**	5 UJ	0.79 UJ	1 U	21 UJ	0.96 UJ	0.48 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
BNA	Diethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	**0.1 J**	2.1 U	0.96 U	0.48 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U	0.96 U	0.48 UJ
BNA	Di-n-butylphthalate	ug/L	--	5 UJ	5 UJ	0.4 U	1 U	2.1 U	0.96 U	0.48 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
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	0.4 U	1 U	1 U	0.96 U	0.48 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
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U	0.96 U	0.48 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	2.1 U	0.96 U	0.48 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	1 U	0.96 U	0.48 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	--	0.96 UJ	0.48 UJ
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	**224**	--	--	--	--	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	**135**	**287**	**163**	**405**	**266**	**189**
General	pH	units	--	**5.93**	**6.59**	**6.44**	**6.62**	**6.06**	**6.58**	**6.51**
General	Salinity	%	--	--	**0.01**	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.197**	**0.16**	**0.188**	**0.209**	**0.301**	**0.224**	**0.206**
General	Temperature	°C	--	**10.78**	**10**	**11.6**	**9.6**	**9.24**	**11.86**	**9.18**
General	Turbidity	ntu	--	**6.49**	**2.3**	**43.4**	**0**	**327**	**36.7**	**9.8**
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
PAH	Acenaphthene	ug/L	3.0	--	0.037 U	**0.2**	0.029 U	0.03 U	0.029 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
PAH	Anthracene	ug/L	9	--	**0.044**	**0.18**	**0.084**	**0.081**	**0.053**	**0.09**
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
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
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
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
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
PAH	Chrysene	ug/L	0.030	--	0.037 U	**0.1**	0.029 U	0.03 U	0.029 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
PAH	Fluoranthene	ug/L	3.0	--	0.037 U	**0.58**	0.029 U	0.03 U	0.029 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
PAH	HPAH	ug/L	0.25	--	0.037 U	**1.3 C**	0.029 U	0.03 U	0.029 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
PAH	Naphthalene	ug/L	83	--	0.037 U	0.037 U	0.029 U	0.03 U	0.029 U	0.03 U
PAH	Phenanthrene	ug/L	--	--	0.037 U	**1**	0.029 U	0.03 U	0.029 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
PCP	Pentachlorophenol	ug/L	4.9	--	0.074 U	0.037 U	0.075 U	0.077 U	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	96 U	96 U	200 U	94 U	94 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 U	190 U	490 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 June 2012
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-Dichlorophenol	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	2,4-Dinitrophenol	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-Chlorophenol	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-Methylphenol	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-methylphenol	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-methylphenol	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-phenylether	ug/L	--	5 U	5 U	0.4 U	0.9 U
BNA	4-Methylphenol	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	Acetophenone	ug/L	--	5 U	5 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	Benzenemethanol	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	--	--	--	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	Pentachlorophenol	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 Potential	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	Pentachlorophenol	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

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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	5 U	5 UJ	0.4 U	**12**	**1.2**	**9.2**	**5.8**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	5 U	5 U	--	--	**--**	0.49 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 UJ
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**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.49 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	20 U	20 U	4 U	10 U	0.94 U	0.49 U	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	5 U	5 U	0.8 U	1 U	0.94 U	0.49 U	1.1 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
BNA	2-Chloronaphthalene	ug/L	--	5 U	5 UJ	0.4 U	4 U	0.94 U	0.49 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	5 U	**1.1 J**	0.4 U	--	--	--	--
BNA	2-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	1.8 U	0.49 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 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
BNA	3-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	20 U	20 UJ	2 U	4 U	0.94 U	0.98 U	1.1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	5 U	5 U	0.8 U	1 U	0.94 U	0.49 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	5 U	5 U	0.4 UJ	2 U	0.94 U	0.49 UJ	1.1 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
BNA	4-Methylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	20 U	20 U	0.8 U	1 U	0.94 UJ	0.49 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	20 U	4 U	4 U	0.94 U	0.49 UJ	1.1 U
BNA	9H-Carbazole	ug/L	--	--	--	0.4 U	**59**	**4.5**	**25**	**15**
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	Acetophenone	ug/L	--	5 U	5 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
BNA	Benzaldehyde	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 U	0.49 UJ	1.1 U
BNA	Benzenemethanol	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
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
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
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	5 UJ	5 UJ	1 UJ	1 U	0.94 U	0.49 U	1.6 U
BNA	Butylbenzylphthalate	ug/L	--	**0.6 J**	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	0.4 U	1 U	--	0.49 UJ	1.1 U
BNA	Caprolactam	ug/L	--	**0.32 J**	5 UJ	0.8 UJ	1 U	0.94 UJ	0.49 UJ	1.1 UJ
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**
BNA	Diethylphthalate	ug/L	--	**0.19 J**	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	5 U	5 UJ	0.4 U	1 U	0.94 U	0.49 U	1.1 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
BNA	Di-n-octylphthalate	ug/L	--	5 U	5 UJ	0.8 U	1 U	0.94 U	0.49 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	0.4 U	**0.3 J**	0.94 U	0.49 U	1.1 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
BNA	Hexachlorobutadiene	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	5 U	5 U	0.4 UJ	2 U	0.94 U	0.49 U	1.1 UJ
BNA	Hexachloroethane	ug/L	--	5 U	5 U	0.4 UJ	1 U	0.94 U	0.49 UJ	1.1 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	5 U	5 U	0.4 U	1 U	0.94 UJ	0.49 UJ	1.1 U
BNA	Pentachlorophenol	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
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**
General	Eh	mV	--	**228**	--	--	--	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	--	**58**	**135**	**-4**	**57**	**-33**	**23**
General	pH	units	--	**5.95**	**6.54**	**6.12**	**6.65**	**6.57**	**6.68**	**6.55**
General	Salinity	%	--	--	--	**0.01**	**0**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.166**	**0.177**	**0.165**	**0.265**	**0.407**	**0.232**	**23.2**
General	Temperature	°C	--	**10.33**	**9.8**	**11.2**	**9.3**	**12.01**	**8.9**	**10.4**
General	Turbidity	ntu	--	**44.9**	**8.4**	**10.9**	**39.4**	**19.5**	**21.7**	**21**
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**
PAH	Acenaphthene	ug/L	3.0	--	**18**	0.037 U	**35**	**1.4**	**22**	**15**
PAH	Acenaphthylene	ug/L	--	--	**0.64**	0.037 U	**1.4**	**0.055**	**0.71**	**0.64**
PAH	Anthracene	ug/L	9	--	**0.32**	0.037 U	**0.8**	**0.13**	**0.66**	**0.69**
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
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
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
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
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
PAH	Chrysene	ug/L	0.030	--	0.037 U	0.037 U	0.031 U	0.029 U	0.031 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
PAH	Fluoranthene	ug/L	3.0	--	**0.098**	0.037 U	**0.18**	0.029 U	**0.15**	**0.11**
PAH	Fluorene	ug/L	3.0	--	**2.3**	0.037 U	**9**	**0.13**	**4**	**2.9**
PAH	HPAH	ug/L	0.25	--	**0.13 C**	0.037 U	**0.222 C**	0.029 U	**0.185 C**	**0.11 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
PAH	Naphthalene	ug/L	83	--	**2.1**	0.037 U	**14**	**25**	**130**	**490**
PAH	Phenanthrene	ug/L	--	--	**0.13**	0.037 U	**2.8**	0.029 U	**2.2**	**2.2**
PAH	Pyrene	ug/L	15	--	**0.03 J**	0.037 U	**0.042**	0.029 U	**0.035**	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	--	0.074 U	0.037 U	0.08 U	0.074 U	0.08 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**
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	--	460 U	240 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 June 2012
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-Dichlorophenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	5 U	5 U	0.4 U	1 U	1 U
BNA	2,4-Dinitrophenol	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-Chlorophenol	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-Methylphenol	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-methylphenol	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-methylphenol	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-phenylether	ug/L	--	5 U	5 UJ	0.4 U	1 U	1 U
BNA	4-Methylphenol	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	Acetophenone	ug/L	--	5 U	5 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	Benzenemethanol	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	--	--	--	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	Pentachlorophenol	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 Potential	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	Pentachlorophenol	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

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 June 2012
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-2L 2/16/2009	P-2L 9/14/2009	P-2L 5/3/2010	P-2L 6/18/2012
BNA	1,1'-Biphenyl	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.48 UJ	1 U	--	--	0.48 UJ	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 U	0.85 U	0.48 UJ	1 UJ
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	--	0.85 U	0.48 UJ	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.48 U	1 U	--	--	0.48 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 UJ	0.85 U	0.48 UJ	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 UJ	0.85 U	0.48 UJ	1 U
BNA	2,4-Dichlorophenol	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 UJ	0.85 U	0.48 UJ	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 UJ	0.85 U	0.48 UJ	1 U
BNA	2,4-Dinitrophenol	ug/L	--	8 UJ	0.85 UJ	0.48 UJ	2.1 U	8 UJ	0.85 UJ	0.48 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 UJ	0.85 U	0.48 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.85 U	0.96 U	1 U	2 U	0.85 U	0.96 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 U
BNA	2-Chlorophenol	ug/L	--	1 UJ	0.85 U	0.48 UJ	1 U	1 UJ	0.85 U	0.48 UJ	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1 U	1.7 U	0.48 UJ	1 U	1 U	1.7 U	0.48 UJ	1 U
BNA	2-Nitroaniline	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 UJ	0.85 U	0.48 U	1 U
BNA	2-Nitrophenol	ug/L	--	2 U	0.85 U	0.48 UJ	1 U	2 U	0.85 U	0.48 UJ	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	R	0.85 U	0.48 U	2.1 U	R	0.85 U	0.48 U	2.1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 UJ	0.85 U	0.48 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2 UJ	0.85 U	0.96 U	1 U	2 UJ	0.85 U	0.96 U	1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	0.85 U	0.48 U	1 U	1 U	0.85 U	0.48 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 UJ	0.85 U	0.48 UJ	1 U	2 UJ	0.85 U	0.48 UJ	1 U
BNA	4-Chloroaniline	ug/L	--	R	0.85 U	0.48 UJ	1 UJ	R	0.85 U	0.48 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 U
BNA	4-Methylphenol	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 U
BNA	4-Nitroaniline	ug/L	--	4 UJ	R	0.48 U	2.1 U	4 UJ	R	0.48 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.85 UJ	0.48 UJ	1 U	20 UJ	0.85 UJ	0.48 UJ	1 U
BNA	9H-Carbazole	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	2 UJ	0.85 U	0.48 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Acetophenone	ug/L	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 UJ	0.85 U	0.48 U	1 U
BNA	Benzaldehyde	ug/L	--	**0.26 J**	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 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	0.85 U	0.48 UJ	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.85 U	0.48 U	1 U	2 U	0.85 U	0.48 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	0.85 U	0.48 U	1 U	1 U	0.85 U	0.48 U	1 U
BNA	Caffeine	ug/L	--	--	--	0.48 U	1 U	--	--	0.48 U	1 U
BNA	Caprolactam	ug/L	--	20 U	R	0.48 UJ	1 UJ	20 U	R	0.48 UJ	1 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	0.85 U	0.48 UJ	1 U
BNA	Diethylphthalate	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	2 UJ	0.85 U	0.48 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 UJ	0.85 U	0.48 U	1 U	1 UJ	0.85 U	0.48 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.85 U	0.48 U	1 U	2 UJ	0.85 U	0.48 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.85 U	0.48 U	1 U	2 U	0.85 U	0.48 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	0.85 U	0.48 UJ	1 U	1 U	0.85 U	0.48 UJ	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	0.85 U	0.48 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 U	0.85 U	0.48 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.85 U	0.48 UJ	1 UJ	2 U	0.85 U	0.48 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	1 U	0.85 U	0.48 UJ	1 UJ	1 U	0.85 U	0.48 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	0.85 U	0.48 UJ	1 U
BNA	Naphthalene	ug/L	83	1 U	--	--	--	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.85 U	0.48 UJ	1 U	--	0.85 U	0.48 UJ	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	1 UJ	0.85 U	0.48 UJ	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.85 UJ	0.48 UJ	1 U	--	0.85 UJ	0.48 UJ	1 U
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	0.85 U	0.48 UJ	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.73**	**0**	**0.3**	**0.86**	**4.2**	**0**	**0.5**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**-46**	**16**	**-19**	**8**	**-130**	**-123**	**-92**	**-35**
General	pH	units	--	**6.63**	**6.44**	**6.8**	**7.06**	**9.17**	**6.9**	**7.01**	**7.38**
General	Salinity	%	--	**1**	**0.8**	**1.2**	**1**	**1.09**	**1.11**	**1.5**	**1.3**
General	Specific Conductivity	mS	--	**16.9**	**13.3**	**19.9**	**1.79**	**18.7**	**18.9**	**24.4**	**2.15**
General	Temperature	°C	--	**12.47**	**14.4**	**13.04**	**13.2**	**11.07**	**13.47**	**12.13**	**12.8**
General	Turbidity	ntu	--	**40.3**	**3.7**	**17.4**	**120**	**13**	**0**	**3.1**	**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	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	**0.047**	**0.051**	0.029 U	0.029 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 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	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	HPAH	ug/L	0.25	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 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	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.074**	0.029 U	**0.15**	**0.048**	**0.033**	0.029 U	**0.063**	**0.054**
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PAH	Pyrene	ug/L	15	0.029 U	0.029 U	0.031 U	0.03 U	0.031 U	0.029 U	0.029 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.078 U	0.076 U	0.078 U	0.074 U	0.075 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	93 U	96 U	97 U	200 U	93 U	94 U	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 U	190 U	190 U	190 U	490 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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	**0.4 J**	**6.4 J**	**0.56**	**1.3**	1.1 U	1.1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	**--**	0.5 U	0.46 U	1.1 U	1.1 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
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**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.5 U	0.46 U	1.1 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	8.9 U	0.93 U	0.5 U	0.46 UJ	2.1 U	2.2 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2.2 U	0.93 U	1 U	0.92 U	1.1 U	1.1 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1.1 U	1.9 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	18 UJ	0.93 UJ	0.5 UJ	0.46 UJ	2.1 U	2.2 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2.2 U	0.93 U	1 U	0.92 U	1.1 U	1.1 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
BNA	4-Chloro-3-methylphenol	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	22 UJ	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	4-Methylphenol	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	4.4 U	0.93 UJ	0.5 U	0.46 U	2.1 U	2.2 U
BNA	4-Nitrophenol	ug/L	--	22 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U
BNA	9H-Carbazole	ug/L	--	**1.5 J**	**38**	**10**	**8.9**	**2.4**	**2.3**
BNA	Acenaphthene	ug/L	3.0	--	**--**	**--**	**--**	**--**	**--**
BNA	Acenaphthylene	ug/L	--	--	**--**	**--**	**--**	**--**	**--**
BNA	Acetophenone	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
BNA	Benzaldehyde	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 U
BNA	Benzenemethanol	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
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
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
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
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	0.5 UJ	0.46 UJ	1.1 U	1.1 U
BNA	Caprolactam	ug/L	--	22 U	0.93 UJ	0.5 UJ	0.46 UJ	1.1 UJ	1.1 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
BNA	Diethylphthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 U	1.1 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
BNA	Di-n-octylphthalate	ug/L	--	2.2 U	0.93 U	0.5 U	0.46 U	1.1 U	1.1 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
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
BNA	Hexachlorobutadiene	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2.2 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	1.1 U	0.93 U	0.5 UJ	0.46 UJ	1.1 UJ	1.1 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.93 UJ	0.5 UJ	0.46 UJ	1.1 U	1.1 U
BNA	Pentachlorophenol	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
BNA	Pyrene	ug/L	15	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.85**	**0**	**--**	**0.51**	--
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	--
General	Oxidization Reduction Potential	mV	--	**27**	**-202**	**-73**	**--**	**-255**	--
General	pH	units	--	**6.59**	**6.81**	**6.87**	**--**	**6.94**	--
General	Salinity	%	--	**1.8**	**1.6**	**2.3**	**--**	**2.6**	--
General	Specific Conductivity	mS	--	**29.8**	**26.3**	**37.5**	**--**	**40.4**	--
General	Temperature	°C	--	**11.83**	**13.59**	**11.38**	**--**	**12.5**	--
General	Turbidity	ntu	--	**39.9**	**0**	**43.4**	**--**	**25.5**	--
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**
PAH	Acenaphthene	ug/L	3.0	**4.4**	**25**	**17**	**19**	**14**	**16**
PAH	Acenaphthylene	ug/L	--	**0.045**	**0.35**	**0.29**	**0.26**	**0.16**	**0.16**
PAH	Anthracene	ug/L	9	**0.21**	**0.82**	**0.66**	**0.52**	**0.35**	**0.36**
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
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
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
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
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
PAH	Chrysene	ug/L	0.030	0.029 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	0.029 U	0.029 U	0.029 U	0.03 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.4**	**0.66**	**0.7**	**0.63**	**0.81**	**0.86**
PAH	Fluorene	ug/L	3.0	**0.96**	**9.3**	**5.7**	**3.4**	**2.4**	**2.6**
PAH	HPAH	ug/L	0.25	**0.66 C**	**0.96 C**	**1.08 C**	**0.97 C**	**1.29 C**	**1.37 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
PAH	Naphthalene	ug/L	83	**25**	**590 J**	--	**360**	**8.8**	**9.8**
PAH	Phenanthrene	ug/L	--	**0.71**	**7.5**	**3.7**	**3**	**1.2**	**1.3**
PAH	Pyrene	ug/L	15	**0.26**	**0.3**	**0.38**	**0.34**	**0.48**	**0.51**
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.075 U	0.075 U	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	--	190 U	**1,600**	**930**	**89**	**380**	95 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 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]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 June 2012
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-5L 2/18/2009	P-5L 9/15/2009	P-5L 5/4/2010	P-5L 6/19/2012
BNA	1,1'-Biphenyl	ug/L	--	1.1 U	0.93 UJ	0.51 U	1 U	0.98 U	0.96 UJ	0.49 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.51 U	1 U	--	--	0.49 U	1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1.1 UJ	0.93 U	0.51 UJ	1 UJ	0.98 U	0.96 U	0.49 UJ	1 UJ
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	--	0.96 U	0.49 U	1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.51 U	1 U	--	--	0.49 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 U	2 UJ	0.96 U	0.49 UJ	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 U	2 U	0.96 U	0.49 UJ	1 U
BNA	2,4-Dichlorophenol	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	0.98 U	0.96 U	0.49 UJ	1 U
BNA	2,4-Dinitrophenol	ug/L	--	8.7 U	0.93 U	0.51 UJ	2.1 U	7.8 U	0.96 U	0.49 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2.2 U	0.93 U	1 U	1 U	2 U	0.96 U	0.98 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	2-Chlorophenol	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1.1 U	1.9 U	0.51 U	1 U	0.98 U	1.9 U	0.49 U	1 U
BNA	2-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	2-Nitrophenol	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	17 UJ	0.93 UJ	0.51 UJ	2.1 U	16 UJ	0.96 UJ	0.49 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 UJ	0.96 U	0.49 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2.2 U	0.93 U	1 U	1 U	2 U	0.96 U	0.98 U	1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	4-Chloroaniline	ug/L	--	22 UJ	0.93 U	0.51 UJ	1 UJ	20 UJ	0.96 U	0.49 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	4-Methylphenol	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	4-Nitroaniline	ug/L	--	4.3 U	0.93 UJ	0.51 U	2.1 U	3.9 UJ	0.96 UJ	0.49 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	22 U	0.93 U	0.51 UJ	1 U	20 U	0.96 U	0.49 UJ	1 U
BNA	9H-Carbazole	ug/L	--	**0.19 J**	**0.37 J**	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	**--**	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	**--**	--	--	--	--	--	--
BNA	Acetophenone	ug/L	--	--	**--**	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	**--**	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	Benzaldehyde	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	0.98 U	0.96 U	0.49 UJ	1 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	0.98 U	0.96 U	0.49 U	1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 UJ	1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 U	1 U
BNA	Caffeine	ug/L	--	--	--	0.51 UJ	1 U	--	--	0.49 UJ	1 U
BNA	Caprolactam	ug/L	--	22 U	0.93 UJ	0.51 UJ	1 UJ	20 U	0.96 UJ	0.49 UJ	1 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	0.98 U	0.96 U	0.49 U	1 U
BNA	Diethylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	Dimethylphthalate	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 U	0.98 U	0.96 U	0.49 UJ	1 U
BNA	Di-n-butylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2.2 U	0.93 U	0.51 U	1 U	2 U	0.96 U	0.49 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1.1 U	0.93 U	0.51 U	1 U	0.98 U	0.96 U	0.49 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	0.98 U	0.96 U	0.49 U	1 U
BNA	Hexachlorobutadiene	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 UJ	0.98 U	0.96 U	0.49 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2.2 U	0.93 U	0.51 UJ	1 UJ	2 U	0.96 U	0.49 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	1.1 U	0.93 U	0.51 UJ	1 UJ	0.98 U	0.96 U	0.49 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	0.98 U	0.96 U	0.49 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	--	0.96 U	0.49 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	0.98 U	0.96 U	0.49 U	1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.93 UJ	0.51 UJ	1 U	--	0.96 UJ	0.49 UJ	1 U
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	0.98 U	0.96 U	0.49 U	1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**1.9**	**0**	**0.69**	**9.75**	**8.3**	**6.9**	**8.41**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**-76**	**-131**	**-67**	**-59**	**102**	**87**	**96**	**-6**
General	pH	units	--	**7.36**	**7.0**	**7.43**	**7.44**	**7.28**	**7.6**	**7.63**	**7.4**
General	Salinity	%	--	**1.8**	**1.4**	**1.9**	**2**	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**29.2**	**23**	**31.3**	**32.9**	**0.247**	**0.31**	**0.302**	**0.301**
General	Temperature	°C	--	**15**	**15**	**12.14**	**12.18**	**11.42**	**15**	**12.18**	**13.37**
General	Turbidity	ntu	--	**28.4**	**1.5**	**0**	**45.7**	**5.7**	**0.70**	**68.4**	**41**
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	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Acenaphthene	ug/L	3.0	**0.083**	**0.073**	**0.032**	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Anthracene	ug/L	9	**0.064**	**0.074**	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.41**	**0.33**	**0.25**	**0.092**	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Fluorene	ug/L	3.0	**0.098**	**0.11**	**0.062**	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	HPAH	ug/L	0.25	**0.64**	**0.53 C**	**0.39 C**	**0.145 C**	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.03 U	0.03 U	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Naphthalene	ug/L	83	**0.89**	**1.2**	**0.55**	0.03 U	0.031 U	0.029 U	**0.089**	**0.046**
PAH	Phenanthrene	ug/L	--	**0.58**	**0.39**	**0.085**	**0.13**	0.031 U	0.029 U	0.031 U	0.03 U
PAH	Pyrene	ug/L	15	**0.23**	**0.20**	**0.14**	**0.053**	0.031 U	0.029 U	0.031 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.077 U	0.076 U	0.078 U	0.074 U	0.078 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	93 U	94 U	95 U	200 U	93 U	94 U	96 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	460 U	190 U	190 U	190 U	500 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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	1 U	0.96 UJ	0.5 U	1.1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.5 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.5 U	1.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.5 UJ	1.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 U	0.96 U	0.5 UJ	1.1 U
BNA	2,4-Dichlorophenol	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	8.2 U	0.96 U	0.5 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.96 U	1 U	1.1 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1 U	1.9 U	0.5 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	0.96 UJ	0.5 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.5 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2 U	0.96 U	1 U	1.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	0.96 U	0.5 UJ	1.1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	4-Methylphenol	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	4.1 UJ	0.96 UJ	0.5 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	20 U	0.96 U	0.5 UJ	1.1 U
BNA	9H-Carbazole	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--
BNA	Acetophenone	ug/L	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--
BNA	Atrazine	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	Benzaldehyde	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U
BNA	Benzenemethanol	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
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	0.5 UJ	1.1 U
BNA	Caprolactam	ug/L	--	20 U	0.96 UJ	0.5 UJ	1.1 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
BNA	Diethylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 U
BNA	Di-n-butylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.96 U	0.5 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	0.96 U	0.5 U	1.1 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
BNA	Hexachlorobutadiene	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.96 U	0.5 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	1 U	0.96 U	0.5 UJ	1.1 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
BNA	Naphthalene	ug/L	83	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.96 U	0.5 U	1.1 U
BNA	n-Nitrosodimethylamine	ug/L	--	1 U	--	--	--
BNA	n-Nitrosodinpropylamine	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.96 UJ	0.5 UJ	1.1 U
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--
BNA	Phenol	ug/L	--	1 U	0.96 U	0.5 U	1.1 U
BNA	Pyrene	ug/L	15	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**6.08**	**8.0**	**3.77**	**2.63**
General	Eh	mV	--	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**235**	**255**	**80**	40
General	pH	units	--	**8.07**	**8.1**	**8.98**	**8.98**
General	Salinity	%	--	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.282**	**0.28**	**0.247**	**0.3**
General	Temperature	°C	--	**14.4**	**15**	**11.5**	**12.56**
General	Turbidity	ntu	--	**1.3**	**29**	**41.8**	**45.8**
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
PAH	Acenaphthene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Acenaphthylene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Anthracene	ug/L	9	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Chrysene	ug/L	0.030	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Fluoranthene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Fluorene	ug/L	3.0	0.03 U	0.029 U	0.031 U	0.03 U
PAH	HPAH	ug/L	0.25	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Naphthalene	ug/L	83	0.03 U	0.029 U	**0.045**	0.03 U
PAH	Phenanthrene	ug/L	--	0.03 U	0.029 U	0.031 U	0.03 U
PAH	Pyrene	ug/L	15	0.03 U	0.029 U	0.031 U	0.03 U
PCP	Pentachlorophenol	ug/L	4.9	0.077 U	0.074 U	0.078 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	96 U	94 U	95 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	490 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.
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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 June 2012
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-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	VG-2L-FD 5/3/2010	VG-2L 6/21/2012	VG-2L-FD 6/21/2012
BNA	1,1'-Biphenyl	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	**1.4**	**1.3**	**0.68 J**	**0.62 J**	**2 J**	**2.1 J**	**4**	**4**
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.45 UJ	1.1 U	--	--	**--**	**--**	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 UJ	1.1 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	--	--	**1.6**	**1.5**	6.7 UJ	6.8 UJ	**39**	**40**
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.45 U	1.1 U	--	--	--	--	0.47 U	0.45 U	1.1 U	1.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2,4-Dichlorophenol	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	7.8 UJ	0.86 UJ	0.45 UJ	2.1 U	7.8 UJ	8 UJ	0.85 UJ	0.91 UJ	0.47 UJ	0.45 UJ	2.1 U	2.2 U
BNA	2,4-Dinitrotoluene	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	0.86 U	0.9 U	1.1 U	2 U	2 U	0.85 U	0.91 U	0.94 U	0.9 U	1.1 U	1.1 U
BNA	2-Chloronaphthalene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	0.98 UJ	0.86 U	0.45 UJ	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	0.98 U	1.7 U	0.45 UJ	1.1 U	0.98 U	1 U	1.7 U	1.8 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 U	1.1 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	2 U	0.86 U	0.45 UJ	1.1 U	2 U	2 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	R	0.86 U	--	2.1 U	R	R	0.85 UJ	0.91 U	0.47 U	0.45 U	2.1 U	2.2 U
BNA	3-Nitroaniline	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 U	1.1 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2 UJ	0.86 U	0.9 U	1.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.94 U	0.9 U	1.1 U	1.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	0.98 U	0.86 U	0.45 U	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 UJ	0.86 U	0.45 UJ	1.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	R	0.86 U	0.45 UJ	1.1 UJ	R	R	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 UJ	1.1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	4-Methylphenol	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	3.9 UJ	0.86 U	0.45 U	2.1 U	3.9 UJ	4 UJ	0.85 U	R	0.47 UJ	0.45 U	2.1 U	2.2 U
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.86 UJ	0.45 UJ	1.1 U	20 UJ	20 UJ	0.85 UJ	0.91 UJ	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	9H-Carbazole	ug/L	--	2 UJ	0.86 U	--	1.1 U	**0.96 J**	**0.87 J**	**6.8**	**5.6**	**12**	**12**	**21**	**21**
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**
BNA	Acetophenone	ug/L	--	--	--	--	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**
BNA	Atrazine	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Benzaldehyde	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	Benzenemethanol	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	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	0.86 U	--	1.1 U	2 U	2 U	0.85 U	1.3 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Butylbenzylphthalate	ug/L	--	0.98 U	0.86 U	--	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	--	1.1 U	--	--	--	--	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Caprolactam	ug/L	--	20 U	0.86 UJ	0.45 UJ	1.1 UJ	20 U	20 U	0.85 UJ	R	0.47 UJ	0.45 UJ	1.1 UJ	1.1 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	**6.1**	**5.7**	**6.2**	**6.3**	**8.6 J**	**8.7 J**	**29**	**28**
BNA	Diethylphthalate	ug/L	--	2 UJ	0.86 U	0.45 U	1.1 U	2 UJ	2 UJ	0.85 U	0.61 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	0.98 UJ	0.86 U	0.45 U	1.1 U	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.86 U	--	1.1 U	2 UJ	2 UJ	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	0.86 U	--	1.1 U	2 U	2 U	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
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	0.98 U	1 U	0.85 U	0.91 U	0.47 U	0.45 U	1.1 U	1.1 U
BNA	Hexachlorobutadiene	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	0.86 U	0.45 UJ	1.1 UJ	2 U	2 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 UJ	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 UJ	1.1 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	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
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	--	--	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
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	0.98 UJ	1 UJ	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.86 UJ	0.45 UJ	1.1 U	--	--	0.85 UJ	0.91 UJ	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	Pentachlorophenol	ug/L	4.9	--	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenanthrene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
BNA	Phenol	ug/L	--	0.98 U	0.86 U	0.45 UJ	1.1 U	0.98 U	1 U	0.85 U	0.91 U	0.47 UJ	0.45 UJ	1.1 U	1.1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**0**	**4.4**	**0**	**0.38**	**0.62**	**--**	**2.0**	**--**	**0**	**--**	**0.6**	**--**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**-11**	**109**	**72**	**105**	**-187**	**--**	**-70**	**--**	**-77**	**--**	**-257**	**--**
General	pH	units	--	**6.84**	**6.9**	**7.23**	**7.16**	**8.37**	**--**	**6.7**	**--**	**7.01**	**--**	**7.24**	**--**
General	Salinity	%	--	**0.4**	**0.35**	**0.2**	**0.2**	**1.68**	**--**	**1.6**	**--**	**2.1**	**--**	**1.9**	**--**
General	Specific Conductivity	mS	--	**7.55**	**6.7**	**4.58**	**2.97**	**27.7**	**--**	**26**	**--**	**34.2**	**--**	**3.09**	**--**
General	Temperature	°C	--	**12.52**	**15**	**12.85**	**11.58**	**11.87**	**--**	**13**	**--**	**12.56**	**--**	**15.4**	**--**
General	Turbidity	ntu	--	**36.2**	**0**	**52.1**	**31.5**	**13.7**	**--**	**0.10**	**--**	**321**	**--**	**31**	**--**
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	**0.41**	**0.2**	0.029 U	0.029 U	**9.1**	**5.1**	**11**	**15**
PAH	Acenaphthene	ug/L	3.0	**0.088**	0.029 U	0.029 U	0.03 U	**5**	**4.6**	**7.5**	**7.4**	**26**	**17**	**35**	**60**
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 U	**0.067**	**0.059**	**0.15**	**0.13**	**0.6**	**0.5**	**0.76**	**0.9**
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.029 U	0.03 U	**1.7**	**1.6**	**1.1**	**0.97**	**1.8**	**1.5**	**3.2**	**3.8**
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	**0.25**	**0.25**	**0.16**	**0.15**	**0.44 J**	**0.36 J**	**1.8**	**0.96**
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.42**	**0.25**
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	**0.06 J**	**0.053 J**	**0.57**	**0.33**
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U	0.031 UJ	**0.1**	**0.061**
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.37**	**0.16**
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.029 U	0.03 U	**0.18**	**0.17**	**0.095**	**0.092**	**0.13**	**0.1**	**1.5**	**0.82**
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.038**	0.03 U
PAH	Fluoranthene	ug/L	3.0	**0.088**	0.029 U	0.029 U	**0.032**	**4.8**	**5.1**	**2.8**	**2.6**	**6.5**	**4.1**	**11**	**7.6**
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.029 U	0.03 U	**6.8**	**6.4**	**3.6**	**3.3**	**12**	**7.9**	**19**	**22**
PAH	HPAH	ug/L	0.25	**0.125 C**	0.029 U	0.029 U	**0.032 C**	**8.23 C**	**8.52 C**	**4.6 C**	**4.3 C**	**10 C**	**7.1 C**	**22 C**	**14 C**
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.029 U	0.03 U	0.029 U	0.031 U	0.029 U	0.029 U	0.031 U	0.031 U	**0.1**	**0.062**
PAH	Naphthalene	ug/L	83	**0.084**	0.029 U	**0.075**	**0.074**	**4.8**	**4.2**	**0.68**	**0.59**	**170**	**150**	**190**	**260**
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.029 U	0.03 J	**18**	**19**	**11**	**11**	**20**	**12**	**36**	**32**
PAH	Pyrene	ug/L	15	**0.037**	0.029 U	0.029 U	0.03 U	**3**	**3**	**1.5**	**1.5**	**3.1**	**2.5**	**6.1**	**4**
PCP	Pentachlorophenol	ug/L	4.9	0.074 U	0.074 U	0.075 U	0.076 U	0.075 U	0.078 U	0.074 U	0.074 U	0.08 U	0.078 U	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	--	190 U	93 U	96 U	96 U	**380**	**350**	**490**	**410**	98 U	**840**	**1,400**	**1,700**
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	470 U	190 U	190 U	190 U	480 U	480 U	190 U	190 U	200 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 June 2012
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-4L 2/18/2009	VG-4L 9/16/2009	VG-4L 5/4/2010	VG-4L 6/19/2012
BNA	1,1'-Biphenyl	ug/L	--	1 UJ	0.96 UJ	0.49 U	1 U	1 U	0.94 UJ	0.48 U	1.1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	0.49 U	1 U	--	--	0.48 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 U	0.94 U	0.48 UJ	1.1 UJ
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	--	0.94 U	0.48 U	1.1 U
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	0.49 U	1 U	--	--	0.48 U	1.1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 U	2 UJ	0.94 U	0.48 UJ	1.1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 U	2 U	0.94 U	0.48 UJ	1.1 U
BNA	2,4-Dichlorophenol	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 U
BNA	2,4-Dinitrophenol	ug/L	--	8.2 UJ	0.96 U	0.49 UJ	2.1 U	8 U	0.94 U	0.48 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 UJ	0.96 U	0.98 U	1 U	2 U	0.94 U	0.96 U	1.1 U
BNA	2-Chloronaphthalene	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1 UJ	1.9 U	0.49 U	1 U	1 U	1.8 U	0.48 U	1.1 U
BNA	2-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	0.96 UJ	0.49 UJ	2.1 U	16 UJ	0.94 UJ	0.48 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 UJ	0.94 U	0.48 U	1.1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2 UJ	0.96 U	0.98 U	1 U	2 U	0.94 U	0.96 U	1.1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	0.96 U	0.49 UJ	1 UJ	20 UJ	0.94 U	0.48 UJ	1.1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	4-Methylphenol	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	4.1 UJ	0.96 UJ	0.49 UJ	2.1 U	4 UJ	0.94 UJ	0.48 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	20 UJ	0.96 U	0.49 UJ	1 U	20 U	0.94 U	0.48 UJ	1.1 U
BNA	9H-Carbazole	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--	--	--
BNA	Acetophenone	ug/L	--	--	--	--	--	--	--	--	--
BNA	Anthracene	ug/L	9.0	--	--	--	--	--	--	--	--
BNA	Atrazine	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	Benzaldehyde	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 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	0.94 U	0.48 U	1.1 U
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	bis(2-chloroisopropyl)ether	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 U
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	Butylbenzylphthalate	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	0.49 UJ	1 U	--	--	0.48 UJ	1.1 U
BNA	Caprolactam	ug/L	--	20 UJ	0.96 UJ	0.49 UJ	1 UJ	20 U	0.94 UJ	0.48 UJ	1.1 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	0.94 U	0.48 U	1.1 U
BNA	Diethylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 U	1 U	0.94 U	0.48 UJ	1.1 U
BNA	Di-n-butylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	Di-n-octylphthalate	ug/L	--	2 UJ	0.96 U	0.49 U	1 U	2 U	0.94 U	0.48 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 UJ	0.96 U	0.49 U	1 U	1 U	0.94 U	0.48 U	1.1 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	0.94 U	0.48 U	1.1 U
BNA	Hexachlorobutadiene	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 U	0.94 U	0.48 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 UJ	0.96 U	0.49 UJ	1 UJ	2 U	0.94 U	0.48 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	1 UJ	0.96 U	0.49 UJ	1 UJ	1 U	0.94 U	0.48 UJ	1.1 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	0.94 U	0.48 U	1.1 U
BNA	Naphthalene	ug/L	83	1 UJ	--	--	--	1 U	--	--	--
BNA	Nitrobenzene	ug/L	--	--	0.96 U	0.49 U	1 U	--	0.94 U	0.48 U	1.1 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	1 U	0.94 U	0.48 U	1.1 U
BNA	n-Nitrosodiphenylamine	ug/L	--	--	0.96 UJ	0.49 UJ	1 U	--	0.94 UJ	0.48 UJ	1.1 U
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	0.94 U	0.48 U	1.1 U
BNA	Pyrene	ug/L	15	--	--	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**4.42**	**8.39**	**3.98**	**6.58**	**4.84**	**7.38**	**6.79**	**6.38**
General	Eh	mV	--	--	**--**	**--**	**--**	--	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**255**	**142**	**91**	**82**	**212**	**136**	**111**	**67**
General	pH	units	--	**7.54**	**6.76**	**7.76**	**8.04**	**7.97**	**7.66**	**7.73**	**9.02**
General	Salinity	%	--	**0**	**0.03**	**0**	**0**	**0.01**	**0**	**0**	**0**
General	Specific Conductivity	mS	--	**0.492**	**0.705**	**0.412**	**0.442**	**0.272**	**0.281**	**0.286**	**0.279**
General	Temperature	°C	--	**12.25**	**14.09**	**11.8**	**13.51**	**14.7**	**14.46**	**11.59**	**12.88**
General	Turbidity	ntu	--	**19.8**	**0**	**14.3**	**32.2**	**7.3**	**2.8**	**4.2**	**60**
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	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Acenaphthylene	ug/L	--	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Anthracene	ug/L	9	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Benzo(a)anthracene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 UJ	0.031 U	0.031 U
PAH	Benzo(a)pyrene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Benzo(b)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Benzo(g,h,i)perylene	ug/L	--	0.029 U	0.029 U	0.031 UJ	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Benzo(k)fluoranthene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Chrysene	ug/L	0.030	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Dibenzo(a,h)anthracene	ug/L	0.0070	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.029 U	0.031 U	**0.04**	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Fluorene	ug/L	3.0	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	HPAH	ug/L	0.25	0.029 U	0.029 U	0.031 U	**0.04 C**	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Indeno(1,2,3-cd)pyrene	ug/L	0.0296	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Naphthalene	ug/L	83	0.029 U	0.029 U	**0.049**	0.03 U	0.029 U	0.029 U	**0.093**	0.031 U
PAH	Phenanthrene	ug/L	--	0.029 U	0.029 U	0.031 U	**0.1**	0.029 U	0.029 U	0.031 U	0.031 U
PAH	Pyrene	ug/L	15	0.029 U	0.029 U	0.031 U	0.03 U	0.029 U	0.029 U	0.031 U	0.031 U
PCP	Pentachlorophenol	ug/L	4.9	0.075 U	0.074 U	0.08 U	0.078 U	0.074 U	0.074 U	0.08 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	190 U	94 U	98 U	100 U
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	480 U	190 U	200 U	190 U	460 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]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 June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	1 U	1.1 U	1 UJ	0.96 UJ	0.51 U	1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	--	--	--	0.51 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
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	0.51 U	1 U
BNA	2,4,5-Trichlorophenol	ug/L	--	2 UJ	2.1 UJ	1 U	0.96 U	0.51 UJ	1 U
BNA	2,4,6-Trichlorophenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 UJ	1 U
BNA	2,4-Dichlorophenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2,4-Dimethylphenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2,4-Dinitrophenol	ug/L	--	8.2 U	8.5 U	1 U	0.96 U	0.51 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2,6-Dinitrotoluene	ug/L	--	2 U	2.1 U	1 U	0.96 U	1 U	1 U
BNA	2-Chloronaphthalene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2-Chlorophenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2-Methylnaphthalene	ug/L	--	--	--	--	--	--	--
BNA	2-Methylphenol	ug/L	--	1 U	1.1 U	2 U	1.9 U	0.51 U	1 U
BNA	2-Nitroaniline	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	2-Nitrophenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	16 UJ	17 UJ	1 UJ	0.96 UJ	0.51 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	1 UJ	1.1 UJ	1 U	0.96 U	0.51 U	1 U
BNA	4,6-Dinitro-2-methylphenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	1 U	1 U
BNA	4-Bromophenyl-phenylether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	4-Chloro-3-methylphenol	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	4-Chloroaniline	ug/L	--	20 UJ	21 UJ	1 U	0.96 U	0.51 UJ	1 UJ
BNA	4-Chlorophenyl-phenylether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	4-Methylphenol	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 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
BNA	4-Nitrophenol	ug/L	--	20 U	21 U	1 U	0.96 U	0.51 UJ	1 U
BNA	9H-Carbazole	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Acenaphthene	ug/L	3.0	--	--	--	--	--	--
BNA	Acenaphthylene	ug/L	--	--	--	--	--	--	--
BNA	Acetophenone	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
BNA	Benzaldehyde	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Benzenemethanol	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
BNA	bis(2-Chloroethyl)ether	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 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
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Butylbenzylphthalate	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Caffeine	ug/L	--	--	--	--	--	0.51 UJ	1 U
BNA	Caprolactam	ug/L	--	20 U	21 U	1 UJ	0.96 UJ	0.51 UJ	1 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
BNA	Diethylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Dimethylphthalate	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Di-n-butylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Di-n-octylphthalate	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 U	1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 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
BNA	Hexachlorobutadiene	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 UJ	1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	2 U	2.1 U	1 U	0.96 U	0.51 UJ	1 UJ
BNA	Hexachloroethane	ug/L	--	1 U	1.1 U	1 U	0.96 U	0.51 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
BNA	Naphthalene	ug/L	83	1 U	1.1 U	--	--	--	--
BNA	Nitrobenzene	ug/L	--	--	--	1 U	0.96 U	0.51 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
BNA	n-Nitrosodiphenylamine	ug/L	--	--	--	1 UJ	0.96 UJ	0.51 UJ	1 U
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
BNA	Pyrene	ug/L	15	--	--	--	--	--	--
BNA	Retene	ug/L	--	--	--	--	--	--	--
General	Dissolved Oxygen	mg/L	--	**3.87**	**--**	**2.33**	**--**	**1.43**	**2**
General	Eh	mV	--	**--**	**--**	**--**	**--**	**--**	**--**
General	Oxidization Reduction Potential	mV	--	**55**	**--**	**91**	**--**	**171**	**95**
General	pH	units	--	**7.76**	**--**	**8.44**	**--**	**7.25**	**8.42**
General	Salinity	%	--	**0.01**	**--**	**0**	**--**	**0**	**0**
General	Specific Conductivity	mS	--	**0.265**	**--**	**0.346**	**--**	**0.268**	**35.6**
General	Temperature	°C	--	**12.1**	**--**	**15.3**	**--**	**12.33**	**14.1**
General	Turbidity	ntu	--	**59.9**	**--**	**6.3**	**--**	**41.6**	**8**
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
PAH	Acenaphthene	ug/L	3.0	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
PAH	Anthracene	ug/L	9	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
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
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
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
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
PAH	Chrysene	ug/L	0.030	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
PAH	Fluoranthene	ug/L	3.0	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
PAH	HPAH	ug/L	0.25	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
PAH	Naphthalene	ug/L	83	0.029 U	0.031 U	0.029 U	0.029 U	0.045	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
PAH	Pyrene	ug/L	15	0.029 U	0.031 U	0.029 U	0.029 U	0.029 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
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
TPH	TPH-GC/Motor Oil Range Organic	ug/L	--	500 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
**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 4
All Lower Aquifer Results - 1994 through June 2012
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
BNA	1,1'-Biphenyl	ug/L	--	**0.032 J**	5 U	0.4 U	1 U	1 UJ	0.46 U	1.1 U
BNA	1,2,4,5-Tetrachlorobenzene	ug/L	--	--	5 U	--	--	--	0.46 U	1.1 U
BNA	1,2,4-Trichlorobenzene	ug/L	--	--	--	0.4 UJ	1 U	1 U	0.46 UJ	1.1 UJ
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
BNA	2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--	--	0.46 U	1.1 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
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
BNA	2,4-Dichlorophenol	ug/L	--	0.74 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 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
BNA	2,4-Dinitrophenol	ug/L	--	--	20 U	4 U	8 UJ	1 U	0.46 UJ	2.1 U
BNA	2,4-Dinitrotoluene	ug/L	--	1.9 U	5 U	0.8 U	1 U	1 U	0.46 U	1.1 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
BNA	2-Chloronaphthalene	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U
BNA	2-Chlorophenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U
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
BNA	2-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 U	1 U	0.46 U	1.1 U
BNA	2-Nitrophenol	ug/L	--	1.9 U	5 U	0.4 U	2 UJ	1 U	0.46 U	1.1 U
BNA	3,3'-Dichlorobenzidine	ug/L	--	1.9 U	5 U	0.8 UJ	R	1 UJ	0.46 UJ	2.1 U
BNA	3-Nitroaniline	ug/L	--	1.9 U	20 U	0.8 U	1 UJ	1 U	0.46 U	1.1 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
BNA	4-Bromophenyl-phenylether	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 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
BNA	4-Chloroaniline	ug/L	--	0.37 U	5 U	0.4 UJ	R	1 U	0.46 UJ	1.1 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
BNA	4-Methylphenol	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U
BNA	4-Nitroaniline	ug/L	--	--	20 U	0.8 U	4 UJ	1 UJ	0.46 U	2.1 U
BNA	4-Nitrophenol	ug/L	--	1.9 U	20 U	4 U	20 UJ	1 U	0.46 UJ	1.1 U
BNA	9H-Carbazole	ug/L	--	0.37 U	--	0.4 U	2 U	1 U	0.46 U	1.1 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	Acetophenone	ug/L	--	0.74 U	5 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
BNA	Benzaldehyde	ug/L	--	0.74 U	5 U	0.4 U	1 U	1 U	0.46 UJ	1.1 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
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
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
BNA	bis(2-ethylhexyl)phthalate	ug/L	--	1.9 U	5 U	1 UJ	2 U	1 U	0.46 U	1.1 U
BNA	Butylbenzylphthalate	ug/L	--	1.9 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 U
BNA	Caffeine	ug/L	--	--	--	0.4 UJ	--	--	0.46 UJ	1.1 U
BNA	Caprolactam	ug/L	--	1.9 U	5 UJ	0.8 UJ	20 U	1 UJ	0.46 UJ	1.1 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
BNA	Diethylphthalate	ug/L	--	0.37 U	5 U	0.4 U	2 U	1 U	0.46 U	1.1 U
BNA	Dimethylphthalate	ug/L	--	0.37 U	5 U	0.4 U	1 U	1 U	0.46 U	1.1 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
BNA	Di-n-octylphthalate	ug/L	--	1.9 U	5 U	0.8 U	2 U	1 U	0.46 U	1.1 U
BNA	Ethanone, 1-phenyl-	ug/L	--	--	--	0.4 U	1 U	1 U	0.46 U	1.1 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
BNA	Hexachlorobutadiene	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.46 UJ	1.1 UJ
BNA	Hexachlorocyclopentadiene	ug/L	--	1.9 U	5 U	0.4 UJ	2 U	1 U	0.46 UJ	1.1 UJ
BNA	Hexachloroethane	ug/L	--	0.37 U	5 U	0.4 UJ	1 U	1 U	0.46 UJ	1.1 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
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
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
BNA	n-Nitrosodiphenylamine	ug/L	--	0.37 U	5 U	0.4 U	--	1 UJ	0.46 UJ	1.1 U
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
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**
General	Eh	mV	--	--	--	--	**--**	--	**--**	**--**
General	Oxidization Reduction Potential	mV	--	--	**-144**	**106**	**287**	**83**	**-134**	**17**
General	pH	units	--	--	**6.76**	**6.32**	**6.13**	**6.39**	**6.74**	**6.82**
General	Salinity	%	--	--	**0.02**	**0.02**	**0**	**0**	**0**	**0.04**
General	Specific Conductivity	mS	--	--	**0.601**	**0.376**	**0.371**	**0.455**	**0.651**	**0.817**
General	Temperature	°C	--	--	**11.8**	**15.49**	**11.42**	**16.96**	**11.55**	**16.81**
General	Turbidity	ntu	--	--	**13.8**	**19.7**	**223**	**10.7**	**5.5**	**15**
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
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
PAH	Acenaphthylene	ug/L	--	0.046 U	**0.037 J**	0.037 U	0.029 U	0.029 U	**0.056**	0.031 U
PAH	Anthracene	ug/L	9.0	**0.048**	**0.35**	**0.068**	**0.13**	**0.1**	**0.76**	**0.21**
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
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
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
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
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
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
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
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
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
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
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
PAH	Naphthalene	ug/L	83	0.046 U	0.037 U	**0.052**	0.029 U	0.029 U	**0.065**	0.031 U
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
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
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
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
TPH	TPH-GC/Motor Oil Range Organi	ug/L	--	--	460 U	230 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.
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 Lower Aquifer Results - 1994 through June 2012
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	Acetophenone	ug/L	--	0.74 U	5.0 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	--	--	--	0.4 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 Lower Aquifer Results - 1994 through June 2012
Wyckoff

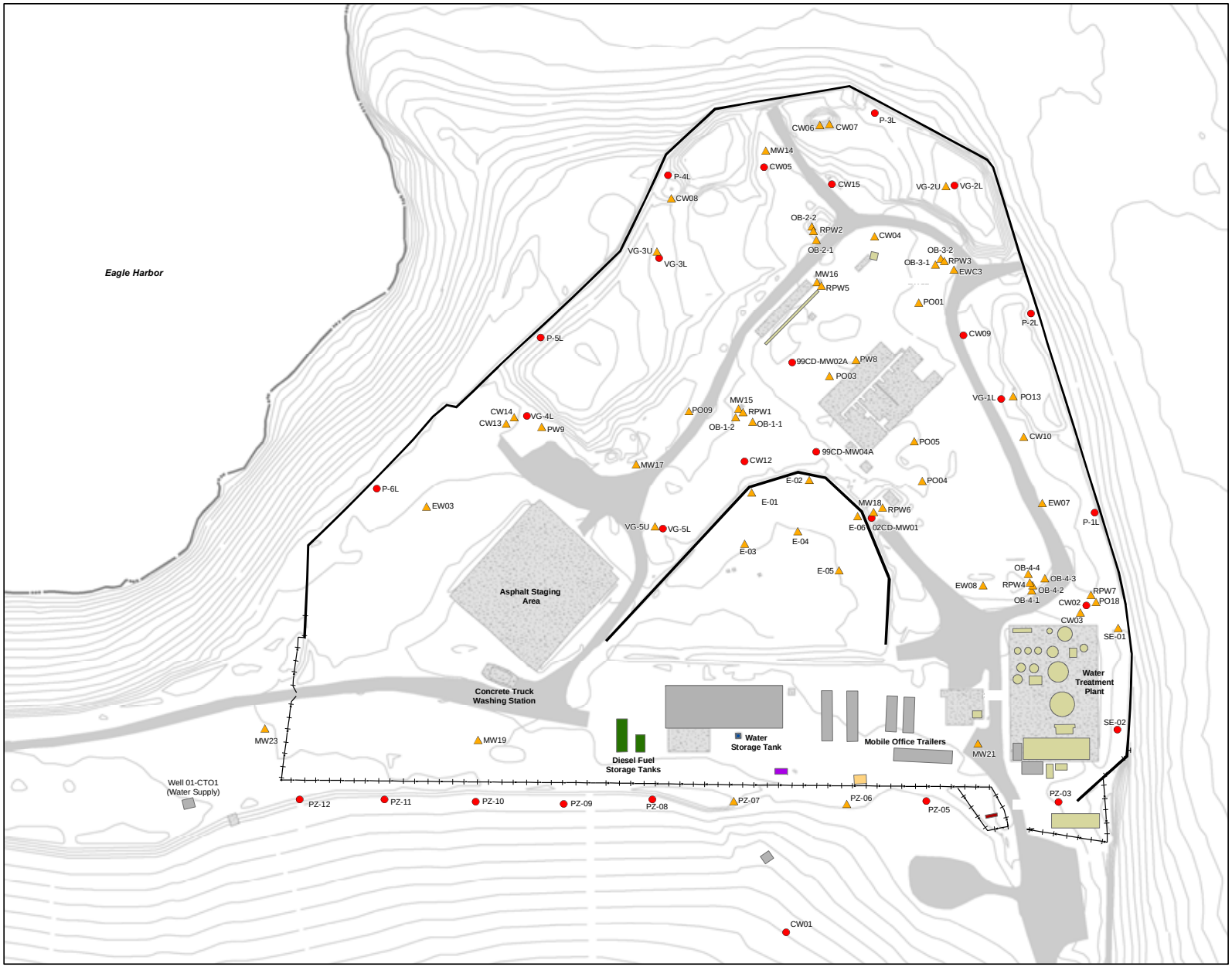
Chemical Group	Analyte	Units	Groundwater Cleanup Level (ug/L)*	PZ-07 09/16/2004	PZ-07 01/25/2006	PZ-07-FD 01/25/2006	PZ-07 09/20/2006	PZ-07-FD 09/20/2006	PZ-07 01/7/2008	PZ-07-FD 01/7/2008
BNA	1,1'-Biphenyl	ug/L	--	**17**	**1.8 J**	**2.4 J**	**12**	**13**	**5.6**	**5.9**
BNA	1,2,4,5-Tetrachlorobenzene	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	Acetophenone	ug/L	--	**5.4**	5.0 U	5.0 U	**--**	**--**	**--**	**--**
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	--	--	--	--	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 Organic	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

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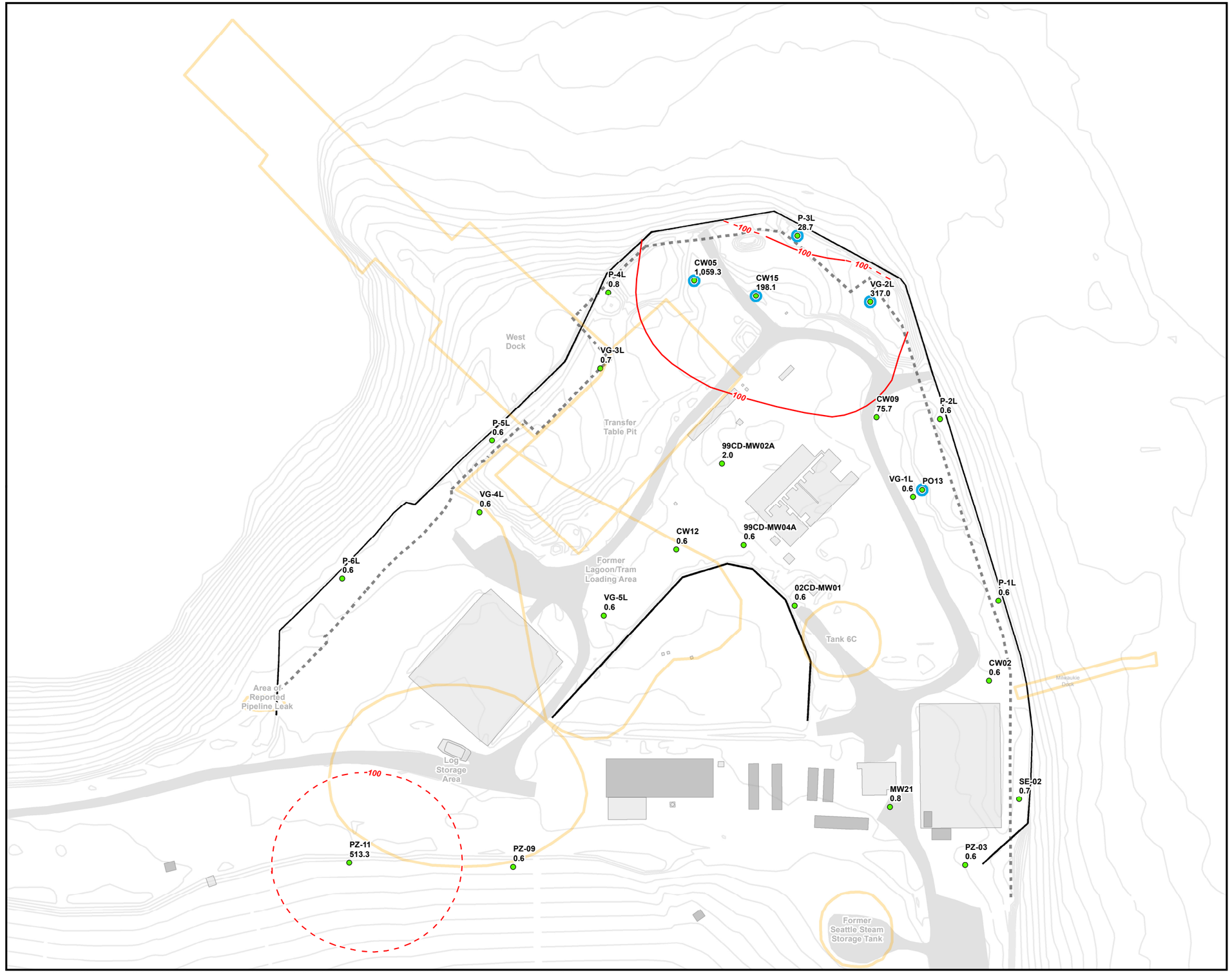


LEGEND

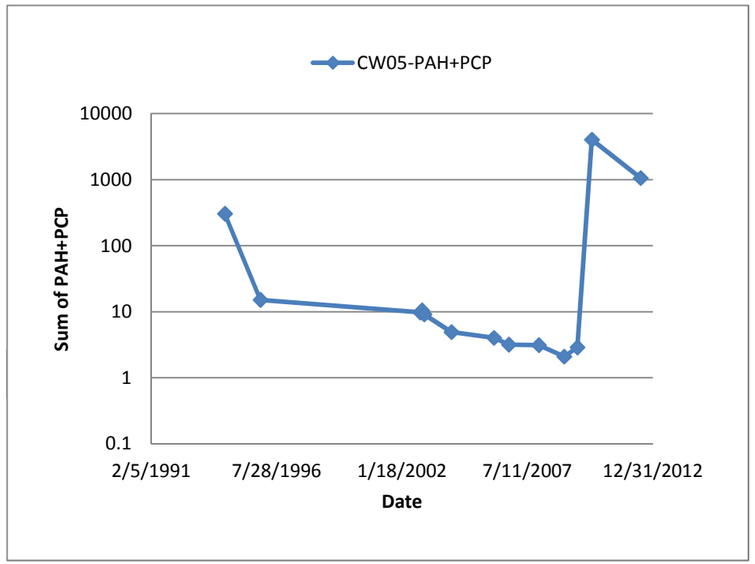
- CW15 198.1 — Sum of PAH and PCP Constituents (µg/L)
- NAPL Measured in Well - June 2012
- 100 µg/L Isopleth (PAH + PCP Constituents)
- 100 µg/L Isopleth (PAH + PCP Constituents)
- Potential Secondary NAPL Source Areas
- Bulk Head Prior to Current Sheet Pile Wall

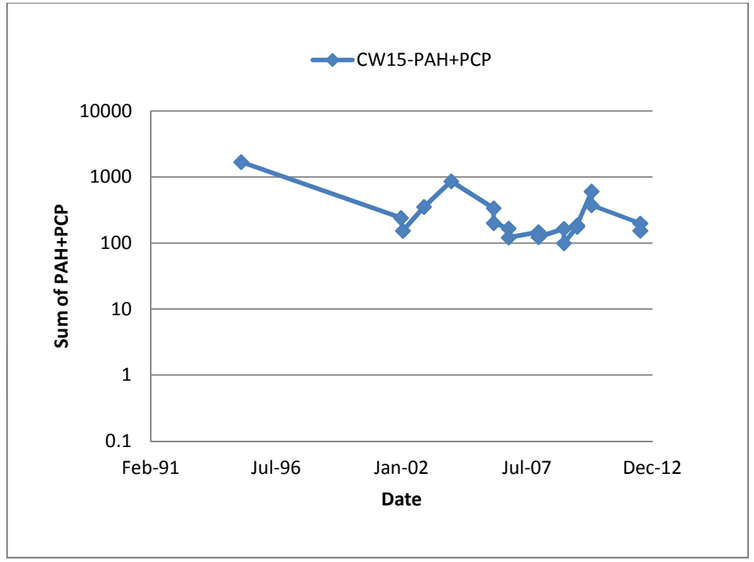
N

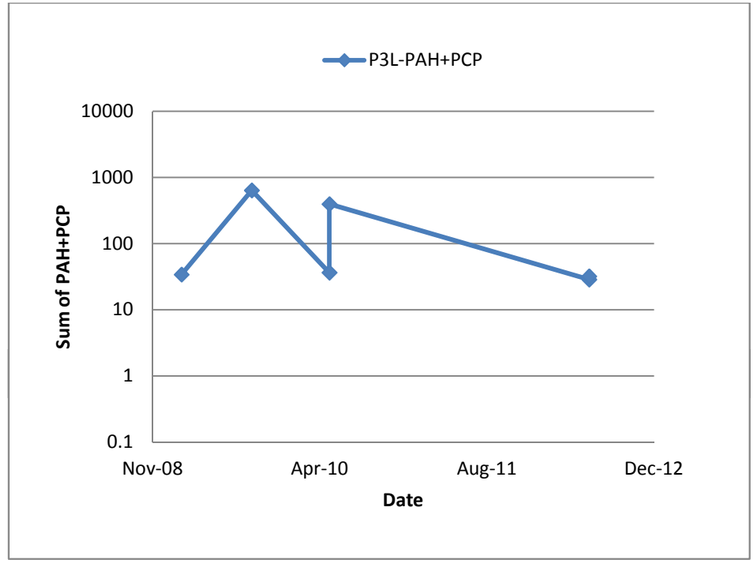
0 50 100 200 Feet

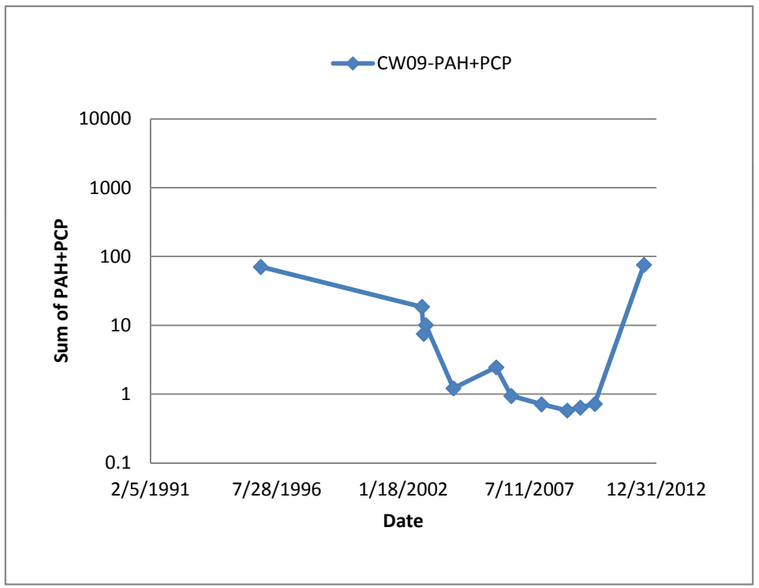
Figure 2
Summation of PAH and PCP Constituents in Groundwater
Wyckoff/Eagle Harbor Suprefund Site

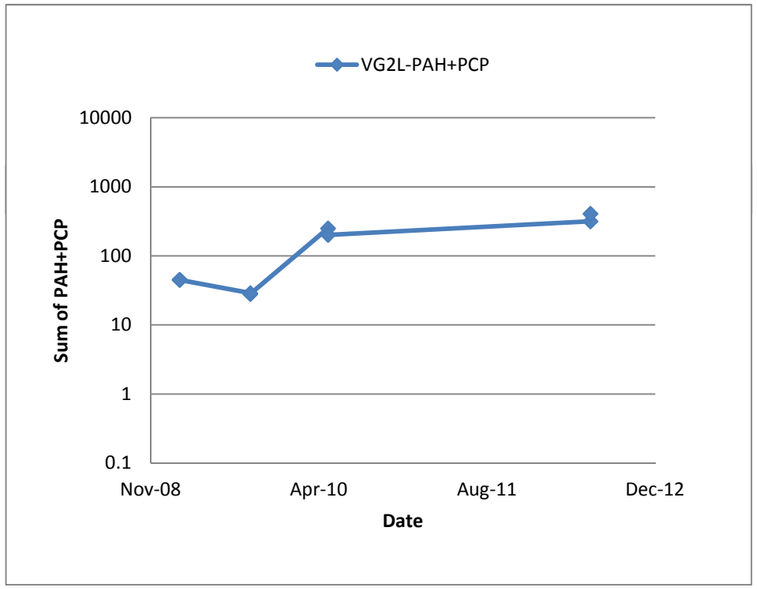
C:\USERS\GGEE\DOCUMENTS\GIS\WYCOFF\MAPFILES\NEXT MEETING PACKAGE 10XX12\FIGUREX_TPAH+PCP.MXD GGEE 11/2/2012 12:28:12 PM











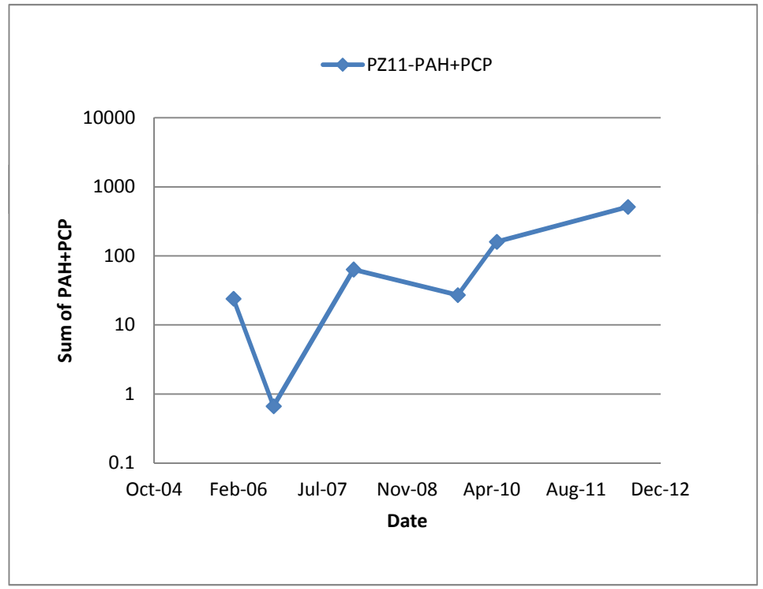


Figure 3
Time Series Plots
Sum of PAH + PCP Constituents

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

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

APPROVAL

Approved _____ Date _____
Ken Scheffler
CH2M HILL Project Manager

Approved _____ Date _____
Howard Orlean
USEPA Region 10 Remedial Project Manager

Approved _____ Date _____
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.
4. Further assess the effects of the extended extraction well shutdown (July 22 to September 6, 2011) coupled with increased winter precipitation infiltration at 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 and May 2010). 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.	

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 8270C	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 8270C (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)
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 400 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 400 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 400 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 400 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, Janice Horton, Cassie Katzen, and Brittany Prentice
Date(s) of Approved Sampling Event	June 18 - 22, 2012

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

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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: ± 0.5° C
   - pH: ± 0.2 units
   - Conductance: ± 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 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 - General				Date Sampling Begins: 6/18/2012	Date Sampling Ends: 6/22/2012
Shipping Period/Lab Receipt:	6/19/2012	To	6/22/2012	QAPP/SAP Provided to RQAM and RSCC? Yes	Date: 3/12/12
Site Account Code: 10T10P302DD2C10W2LA00				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-016N	Date ARF Received: 6/8/12 (rev 2)	Date QAPP Received: 6/8/12
QA Chemist Reviewing QAPP: Don Matheny	MEL Request Sent: 3/21/2012	Completed Req. Rec.:
Notes:	CLP Analyses Submitted: NA	CLP Scheduled: NA
CLP Sample Numbers: NA	EPA Sample #s: 12254300-4349 for the week of June 17-23, 2012	

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)

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

6/15/12

Wyckoff Sample Prep

Team: Nicole Badon/SEA
Brittany Prentice/SEA

0705 ferry to Bainbridge Island
Health and Safety meeting

0740 Pick up supplies at store on B.I.

0813 Arrive at Wyckoff, sign in
unpack ~~unload~~ equipment, label bottles and prep coolers for sampling

1430 finish prepping equipment for sampling next week

1450 leave site

1530 in line for 1550 ferry to Seattle. End of day

Nicole Badon 6/15/12

6/18/12

Wyckoff Groundwater Sampling

Team: Nicole Badon
Cassie Katzen
Mark Endo
Janice Horton
Brittany Prentice

0705 ferry to Bainbridge Island
health and safety meeting

0740 stop at store to pick up ice

0803 On site. Bag ice and calibrate equipment. See field log for Horiba U-22

PID C101995 ISOBUTYLENE GAS LOT # 638753

FRESH AIR = 0.0 PPM ISOBUTYLENE = 104 PPM

PID C102403

FRESH AIR = 0.0 PPM ISOBUTYLENE = 97.1 PPM

BUMP TEST ON C101995 = 100 PPM NOTE: 30 SEC TO STABILIZE

BUMP TEST ON C102403 = 104 PPM NOTE: IMMEDIATE RESPONSE

0905 Head out to start sampling wells

0930 set up at CW02 and SE02

1015 Sample CW02-0612 and SE02-0612

1130 sample P-1L (P1L-0612)

1230 lunch break

1310 sample teams head back out to

Nicole Badon 6/18/12

6/18/12

sample
1337 Collect sample VGL-0612
1350 Collect sample ~~02~~CDMW01-0612
1430 At VG-2L, team (Janice Horton + Brittany Prentice) report NAPL in well, and could not pull water through sample tubing. DNAPL clogged the tubing; will try to resample on 6/19/12
1540 Collect sample CW09-0612
1655 Collect sample P2L-0612
Clean up site and secure samples on ice in sample trailer for the night
1800 leave site
1830 ferry to Seattle. End of day

Nicole Baden 6/18/12

6/19/12

Wyckoff Groundwater Sampling
Team: Nicole Badon
Mark Endo
Janice Horton
Cassie Katzen
Brittany Prentice

0705 ferry to Bainbridge Island
health and safety meeting
0745 ~~0845~~ Stop at Grocery Store to purchase ice.
0806 Arrive at Wyckoff. Bagice, Calibrate instruments and repackage Samples for Shipping
0820 ISOBUTYLENE GAS LOT #
PID C 101995
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100 PPM
PID C 102403
FRESH AIR = 0.0 PPM ISOBUTYLENE = 100 PPM
0915 Sampling teams head out to sample wells. Nicole B. packages Samples for shipment
1025 Collect sample CW05-0612
1030 Collect Sample P4L-0612
1135 Collect FD MW50 @ CW15

Nicole Badon 6/19/12

6/19/12

1155 Collect Sample 99CDMW02-0612
1205 Collect Sample CW15-0612 + MS/MSD
1235 Collect Sample VG-3L-0612
- Crews alternate lunch breaks
1430 Collect Sample VG4L-0612
1520 Collect sample P5L-0612
1535 finish collecting samples
secure all samples in coolers on ice for overnight storage; store equipment for the evening
1600 All leave site
1635 Ferry back to Seattle, End of day

Nicole Badon 6/19/12

6/20/12

Wyckoff groundwater Sampling
Team: Nicole Badon
Mark Endo
Cassie Katzen
Brittany Prentice

0705 ferry to ~~Seattle~~ (6/20/2012) Bainbridge Is
health and safety meeting
0740 Stop at store to purchase ice
0807 Arrive at Wyckoff, bag ice and calibrate equipment
0820 PID CALIBRATION ISOBUTYLENE CAL GAS # 1059010
C101995:
FRESH AIR = 0.0 PPM ISOBUTYLENE = 103 PPM
C102403: 106 PPM
FRESH AIR = 0.0 PPM ISOBUTYLENE = 95.9 PPM
C101995 BUMP TEST = 98.2 PPM
0915 Teams head out to begin sampling
Nicole Badon packages samples from 6/19/12 for shipping
1007 Collect Sample P3L-0612
1040 Collect FD@P3L, MW70-0612
1050 Collect Sample 99CDMW04-0612
1205 Collect Sample CW12-0612

Nicole Badon 6/20/12

6/20/12

1215 Collect sample YG5L-0612
1250 Sample teams take lunch break
1330 Sample teams head back out to sample wells. Decon vehicle and move to wells outside of EZ. Finished ~~working~~ Sampling @ 6/20/12 wells inside of E.Z.
1435 Collect sample P6L-0612
1455 Collect sample PZ11-0612
1515 Teams have finished sampling for the day, all samples secured in coolers on ice. Pack up equipment for the day.
1610 leave site
1625 in line for 1635 ferry to Seattle
1635 Ferry back to Seattle. End of day.

Nicole Baden 6/20/12

6/21/12

Wyckoff Groundwater Sampling
Team: Nicole Baden
Mark Endo
Janice Horton
Cassie Katzen
Brittany Prentice

0705 Ferry to Bainbridge Island
0740 Stop at grocery store to purchase ice and distilled water
0803 Arrive at Wyckoff, bag ice and calibrate equipment
0818 CALIBRATE PIDS
C102403:
FRESH AIR = 0.0 PPM ISOBUTYLENE = 103 PPM
BUMP TEST = 100 PPM
C101995:
FRESH AIR = 0.0 PPM ISOBUTYLENE = 104 PPM
BUMP TEST = 100 PPM
0915 Sample teams head out to begin sampling. Nicole B. packages yesterday's samples for shipping
1015 Collect sample @ MW21 (MW21-0612) Sample team having troubles with

Nicole Baden 6/21/12

6/21/12

pump ~~from~~ for CW01. Pump is not bringing water to surface; try to troubleshoot several times. Consult with Jeff Randall (CH2M Hill senior hydro.), he advises us to skip this well for this sampling event, will get different pump for next sampling event.

1157 Collect sample @ PZ03 (FPZ03-0612)
1230 Collect sample VG2L-0612
1238 Collect FD@ VG2L MW80-0612
1329 Collect sample PZ09 @ 0612
1410 Sample teams are finished Sampling - decon all equipment and cargo van, all samples secured in coolers on ice
End of sampling event.
1510 All off site
1520 in line for 1550 ferry to Seattle
1550 Ferry to Seattle. End of day.

Nicole Badon 6/21/12

6/22/12

Wyckoff Groundwater Sampling Completion

Team: Nicole Badon
Brittany Prentice

Task: Complete sampling event, hand deliver yesterday's samples to the lab, ship equipment back to Denver warehouse

0705 Ferry to Bainbridge Island
0855 Arrive at Wyckoff, begin packing equipment for shipment and samples for delivery
1127 Nicole and Brittany leave Wyckoff to deliver samples to lab
1320 Drop off samples at Manchester Environmental lab
1330 At Southworth ferry terminal waiting for 1430 ferry to Fauntleroy
1430 Southworth to Fauntleroy ferry
1545 Arrive at SEA office unload vehicle and return it to Enterprise
1600 End of day - End of Sampling event.

Nicole Badon 6/22/12

FIELD SAMPLING LOGBOOK

Wyckoff Eagle Harbor Superfund Site

Bainbridge Island, WA

Sampling Team Members

Nicole Badon, Mark Endo, Janice Horton,
Brittany Prentice, Cassie Katzen

Sampling Dates

June 18 - 22, 2012

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	W22XD	111623	C-102670	6/21/12	0820

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

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

Calibration Readings

pH = 3.99 Turbidity = 0.0 Temperature = ~~4.47~~ 17.4

Conductivity = 4.47 Dissolved Oxygen = 9.6 Salinity = 0.2

Comments:

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W22XD	007 6X05	C-102521	6/21/12	0825

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

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

Calibration Readings

pH = Turbidity = Temperature =

Conductivity = Dissolved Oxygen = Salinity =

Comments: repeated error 6. DO sensor appears to have salt or white solid build up in diaphragm.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W22XD	90606010	C-102389	6/21/12	0850

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 3.99 Turbidity = 0.0 Temperature = 16.10

Conductivity = 3.69 Dissolved Oxygen = 10.13 Salinity = 0.23

Comments: Conductivity will not calebrate.

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW-02	Date	6/18/12
Sample ID	12254301	Field Team Initials	CK, ME
EPA Sample Number	CW02-0612		

CK

Field Conditions: 55°, Cloudy

Purge Information

Well Diameter (in.)	4	Purge Method (circle) :	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	82.43		
Initial Depth to Water (ft.)	14.11 ~~13.80~~ CK	Water Level Indicator #	C-1019169
Depth of Water Column	68.32	Pump Indicator #	C-102475
3 Casing Volumes	71.5 ft3	Start Time	0939
1 Casing Volume	23.8 ft3	End Time	1014
		Total Gallons Purged	9,100 mL
Sample Depth (ft. below TOC)	74.4		
Well Screen Interval (ft below TOC)	69.43 to 79.43	Purge Rate	260 mL/min
		Controller Frequency	NA

Time	DTW	Gallons Purged	pH (+/-0.2)	Conductivity (+/-5%)	NTU (+/-10%)	DO (+/-0.2mg/L)	Temp. (+/-2)	ORP (+/-20MV)	Salinity	Appearance
0944	14.20		7.25	0.337	150	3.9	12.8	185	0.2	Cloudy w/ particulate
0947	14.23		7.37	0.334	160	2.9	12.7	177	0.2	"
0950	14.28		7.40	0.332	110	2.8	12.7	167	0.2	slightly turbid w/ part.
0953	14.31		7.42	0.331	83	2.5	12.7	153	0.2	
0956	14.35		7.45	0.332	94	2.4	12.7	142	0.2	
0959	14.39		7.46	0.332	95	2.5	12.6	136	0.2	
1002	14.42		7.45	0.332	100	2.8	12.7	128	0.2	
1005	14.45		7.46	0.332	93	2.8	12.7	123	0.2	
1008	14.49		7.48	0.332	100	2.4	12.7	118	0.2	
1011	14.52		7.50	0.332	90	2.4	12.8	115	0.2	
1014	14.55		7.51	0.333	110	2.2	12.8	113	0.2	

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1015	500mL Amber	ICE/4C	
SVOC		500mL Amber	"	
TPH-DRO + Motor Oil		1L Amber	ICE/4C	
PCP/PAH-SIM				
TPH-DRO + Motor Oil				
PCP/PAH-SIM				

End Time: 1037

Comments / Exceptions:

CK

~~Sampled after 30 minutes~~

SAMPLE COLLECTED BY C. KATZEN (CK)

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-1L	Date	6/18/12
Sample ID	P1L-0612	Field Team Initials	CK, ME, NB
EPA Sample Number	12254302		

Field Conditions: 60°, Partly sunny

Purge Information

Well Diameter (in.)	2	Purge Method (circle) :	Submersible Pump / other:
Well Depth (ft.)	100		Bladder Pump
Initial Depth to Water (ft.)	15.19	Water Level Indicator # C101969	Peristaltic Pump
Depth of Water Column	84.81	Pump Indicator # C102475	
3 Casing Volumes	22.2 ft3	Start Time	1057
1 Casing Volume	7.40 ft3	End Time	1128
		Total Gallons Purged	8,680 mL
Sample Depth (ft. below TOC)	93		
Well Screen Interval (ft below TOC)	88 to 98	Purge Rate	@1058 280 mL/min
		Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity S/m	NTU	DO mg/L	Temp. °C	ORP	Salinity %	Appearance
1100	15.26		7.04	1.92	15.0	1.50	13.2	20.0	1.1	CLEAR
1103	15.27		6.94	1.93	16.0	0.60	13.0	9.0	1.1	"
1106	15.27		6.97	1.92	14.0	0.50	13.0	4.0	1.1	"
1109	15.29		7.00	1.91	15.0	0.50	12.9	1.0	1.1	"
1112	15.30		6.98	1.90	21.0	0.40	13.0	0.0	1.1	"
1115	15.32		7.01	1.87	21.0	0.40	13.0	1.0	1.1	"
1118	15.32		7.02	1.83	69.0	0.40	12.9	2.0	1.1	CLOUDY WI ORANGE PARTICULATES
1121	15.31		7.03	1.82	120.0	0.40	13.0	3.0	1.1	"
1124	15.32		7.06	1.81	130.0	0.30	13.0	5.0	1.1	"
1127	15.32		7.06	1.79	120.0	0.30	13.2	8.0	1.0	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1130	500mL AMBER (2)	—	
TPH-DRO + MOTOR OIL	↓	1L AMBER (4)	—	
PCP/PAH - SIM		1L AMBER (2)	—	

End Time: 1155

Comments / Exceptions:

Samples collected by M. Endo

@ 1058 PID = 0.0 PPM
@ 1110 PURGE RATE = 220 mL/min
@ 1120 PURGE RATE = 280 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	02CDMW01	Date	6/18/12
Sample ID	02CDMW01-0612	Field Team Initials	CK, ME
EPA Sample Number	122543 03		

Field Conditions: 60°, Partly Cloudy

Purge Information

Well Diameter (in.)	2	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	105.0		Bladder Pump
Initial Depth to Water (ft.)	11.45	Water Level Indicator # C-102026	Peristaltic Pump
Depth of Water Column	53.55	Pump Indicator # C-102475	
3 Casing Volumes	14.0 ft³	Start Time	1316
1 Casing Volume	4.67 ft³	End Time	1350
		Total Gallons Purged	10,200 mL
Sample Depth (ft. below TOC)	60		
Well Screen Interval (ft below TOC)	55 to 65	Purge Rate	300 mL/min @ 1320 ~~1402~~
		Controller Frequency	N/A

Time	DTW	Gallons Purged	pH (+/-0.3)	Conductivity (+/-5%) µS/m	NTU (+/-10%)	DO (+/-0.2)	Temp. (+/-1°C)	ORP (+/-20)	Salinity	Appearance
1318	11.65		9.88	39.6	190	5.5	16.2	46.0	0.0	Cloudy w/ black/orange particles
1321	11.60		10.0	38.2	120	1.6	14.7	59.0	0.0	
1324	11.58		9.86	37.8	79	1.3	14.3	68	0.0	
1327	11.56		9.66	37.5	72	1.3	14.0	76	0.0	Clear
1330	11.50		9.56	37.3	93	1.3	13.8	85	0.0	
1333	11.48		9.44	37.2	82	1.4	13.7	94	0.0	
1336	11.41		9.29	37.3	51	1.5	13.6	102	0.0	
1339	11.41		9.18	37.3	33	2.0	13.6	109	0.0	
1342	11.40		9.07	37.5	27	1.8	13.6	115	0.0	
1345	11.35		9.0	37.6	26	1.9	13.6	120	0.0	
1348	11.31		8.93	37.7	21	2.0	13.6	127	0.0	

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC (2)	1350	500mL Amber	—	
PCP/PAH-SIM (2)	"	1L Amber	—	
TPH-Diot Motor Oil (2)	"	1L Amber	—	

End Time: 1412

Comments / Exceptions:

PID 0.0 ppm @ 1321 Purge Rate 200 mL/min

Sampled by C. Katzen

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	CW-09	Date	06/18/2012
Sample ID	CW09-0618	Field Team Initials	ME, CK,
EPA Sample Number	12254305		

Field Conditions: CLOUDY, LIGHT RAIN, 58°F

Purge Information

Well Diameter (in.)	4	Purge Method (circle):	Submersible Pump / other:
Well Depth (ft.)	110.38		Bladder Pump
Initial Depth to Water (ft.)	10.22	Water Level Indicator #	C102626 (Peristaltic Pump)
Depth of Water Column	100.16	Pump Indicator #	C1024755
3 Casing Volumes	104.89 ft3	Start Time	1508
1 Casing Volume	34.96 ft3	End Time	1538
		Total Gallons Purged	7350 mL
Sample Depth (ft. below TOC)	96		
Well Screen Interval (ft below TOC)	97.4 to 107.4	Purge Rate	@ 1510 245 mL/min
		Controller Frequency	—

Time	DTW	Gallons Purged	pH	Conductivity S/m	NTU	DO	Temp.	ORP	Salinity	Appearance
1512	10.16		7.51	2.23	600	1.2	13.5	-20.0	1.3	VERY CLOUDY
1515	10.13		7.51	2.23	430	0.6	13.5	-25.0	1.3	"
1518	10.06		7.50	2.18	410	0.5	13.3	-28.0	1.3	"
1521	9.98		7.51	2.20	260	0.4	13.4	-31.0	1.3	"
1524	9.94		7.51	2.19	240	0.4	13.5	-33.0	1.3	CLOUDY
1527	9.89		7.51	2.19	230	0.4	13.6	-34.0	1.3	"
1530	9.82		7.51	2.21	190	0.3	13.5	-32.0	1.3	"
1533	9.76		7.51	2.21	190	0.3	13.5	-31.0	1.3	"
1536	9.71		7.51	2.21	180	0.3	13.4	-31.0	1.3	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1540	500mL AMBER (2)	—	
TPH-DRO + MOTOR OIL	↓	1L AMBER (4)	—	
PCP/PAH - SIM	↓	1L AMBER (2)	—	

End Time: 1600

Comments / Exceptions:

PUSHED TUBING DOWN TO 94 ft AND ENCOUNTERED RESISTANCE, SAMPLE DEPTH @ 96 ft.

ME @ 1523 SEDIMENT AGITATION AT TOTAL WELL DEPTH

@ 1526 PURGE RATE = 220 mL/min

@ 1532 PURGE RATE = 220 mL/min

PARAMETERS STABILIZE @ 1536, PROCEED TO SAMPLE.

* Sample'd by M. Endo

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-21	Date	10/18/12
Sample ID	P2L-0612	Field Team Initials	CK, ME
EPA Sample Number	12254306		

Field Conditions: 60°, overcast

Purge Information

Well Diameter (in.)	2	Purge Method (circle) :	Submersible Pump / other:
Well Depth (ft.)	115		Bladder Pump
Initial Depth to Water (ft.)	10.56	Water Level Indicator #	C-102626
Depth of Water Column	104.44	Pump Indicator #	C-102656 (Peristaltic Pump)
3 Casing Volumes	27.4 ft3	Start Time	1633
1 Casing Volume	9.11 ft3	End Time	1655
		Total Gallons Purged	5,060 mL
Sample Depth (ft. below TOC)	105		
Well Screen Interval (ft below TOC)	105 to 115	Purge Rate	230 mL/min @ 1636
		Controller Frequency	—

Time	DTW	Gallons Purged	pH (+/-0.3)	Conductivity (+/-5% s/m)	NTU (+/-10%)	DO (0.2)	Temp. (1)	ORP (20)	Salinity	Appearance
1634	10.55		7.51	2.08	2	1.34	13.5	-2	1.2	clear
1638	10.47		7.40	2.14	3	1.3	13.0	-16	1.3	"
1641	10.44		7.39	2.14	2	1.0	13.0	-20	1.3	"
1644	10.38		7.38	2.15	3	0.8	13.0	-24	1.3	"
1647	10.33		7.38	2.15	3	0.7	13.0	-27	1.3	"
1650	10.29		7.38	2.16	2	0.5	12.9	-28	1.3	"
1653	10.25		7.38	2.15	3	0.5	12.8	-35	1.3	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC (2)	1655	500 mL Amber	—	
PCP/PAH-SIM (2)	"	1 L Amber	—	
TPH-DRO + Motor Oil (2)	"	1 L Amber	—	

End Time: 1716

Comments / Exceptions:

- Encountered sediment at 106 ft, sampled @ 105 ft.
- PID @ 0.0 ppm at 1640
- Purge rate 220 @ 1647

Sampled by C. Katzen

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-4L	Date	06/19/12
Sample ID	P4L-0612	Field Team Initials	ME, CK
EPA Sample Number	12254312		

Field Conditions: CLOUDY, MID 50'S °F

Purge Information

Well Diameter (in.)	2
Well Depth (ft.)	93.9
Initial Depth to Water (ft.)	14.58
Depth of Water Column	79.32
3 Casing Volumes	38.78
1 Casing Volume	12.9

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

Water Level Indicator # C101969

Pump Indicator # C102475

Start Time	1002
End Time	1024
Total Gallons Purged	3,610 ML / 0.95 gal

Sample Depth (ft. below TOC)	86.9		
Well Screen Interval (ft below TOC)	81.9	to	91.9

Purge Rate: @ 1003 380 mL/min

Controller Frequency:

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	NTU	DO	Temp.	ORP	Salinity	Appearance
1005	15.08		6.88	31.6	14.0	11.06	12.27	38.0	2.0	CLEAR
1008	15.12		7.33	32.8	12.2	4.08	12.05	-16.0	2.0	"
1011	15.16		7.36	32.8	23.7	1.89	12.07	-27.0	2.0	"
1014	15.21		7.38	32.8	41.1	1.24	12.10	-31.0	2.0	"
1017	15.23		7.39	32.9	45.3	0.99	12.12	-36.0	2.0	"
1020	15.26		7.43	32.9	45.5	0.80	12.14	-44.0	2.0	"
1023	15.31		7.44	32.9	45.7	0.69	12.18	-59.0	2.0	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOCs	1030	500 mL AMBER (2)	-	
TPH-DRO + MOTOR OIL	↓	1L AMBER (2) HCl	-	
PCP/PAH - SIM	↓	1L AMBER (2)	-	

End Time: 1044

Comments / Exceptions:

*sampled by Mark Endo

② 1010 PURGE RATE = 300 mL/min

② 1021 PURGE RATE = 310 mL/min

SAMPLED BY M. ENDO

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-15/MW-50 +MS/MSD	Date	6/19/12
Sample ID	CW15-0612/MW50-0612	Field Team Initials	CK/ME
EPA Sample Number	1225309/1225310		
Field Conditions	60°, cloudy		

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.)	10.64	Water Level Indicator # C-101969	
Depth of Water Column	89.96	Pump Indicator # C-102475	
3 Casing Volumes	176.2	Start Time	1107
1 Casing Volume	58.7	End Time	1133
		Total Gallons Purged	7860 mL / 2.08 gal
Sample Depth (ft. below TOC)	92.6		
Well Screen Interval (ft below TOC)	87.6 to 97.6	Purge Rate	320 mL/min
		Controller Frequency	—

Time	DTW	Gallons Purged	pH (0.3)	Conductivity mS/cm (5%)	NTU (10%)	DO (0.2)	Temp. (1°C)	ORP (20)	Salinity	Appearance
1111	10.78		7.05	24.0	23.0	7.03	12.26	-253	1.5	clear
1114	10.84		7.08	24.2	8.5	2.56	12.21	-285	1.5	clear
1117	10.85		7.08	24.1	8.2	1.42	12.19	-297	1.4	"
1120	10.87		7.08	24.1	8.6	1.00	12.21	-303	1.4	"
1123	10.89		7.09	24.1	8.6	0.75	12.24	-307	1.4	"
1126	10.90		7.09	24.1	7.7	0.62	12.28	-309	1.5	"
1129	10.90		7.10	24.2	7.1	0.56	12.33	-309	1.5	"
1132	10.91		7.10	24.3	7.8	0.49	12.36	-310	1.5	"

Sample Information

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

	Analysis	Time (1205)	Bottle Type	Preservative/Filtration	Comments
CW-15	PCP/PAH-SIM (4)	~~1135~~ 1205	1L Amber	—	MS/MSD
	TPH-DRO + Motor Oil (2)	1205	1L Amber	—	"
	SVOC (4)	1205	500mL Amber	—	"
MW-50	TPH-DRO + Motor Oil (2)	1135	1L Amber	—	
	PCP/PAH-SIM (2)	"	1L Amber	—	
	SVOC (2)	"	500mL Amber	—	
End Time					

Comments / Exceptions:

* PID 0.3 ppm @ 1120 pm
* sampled by C. Katzen
- Purge rate 300 mL/min @ 1125

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-3L	Date	6/19/2012
Sample ID	VG-3L-0612	Field Team Initials	BJ ME
EPA Sample Number	12254313		

Field Conditions: Cloudy

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	100.2
Initial Depth to Water (ft.)	15.72
Depth of Water Column	84.48
3 Casing Volumes	41.31
1 Casing Volume	13.77

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

Water Level Indicator # C-101969

Pump Indicator # C-102531

Start Time	12:07
End Time	12:32
Total Gallons Purged	8,320 mL / 2.20 gal.
Purge Rate	320/min
Controller Frequency	

Sample Depth (ft. below TOC): Not recorded @ 8/20/12

Well Screen Interval (ft below TOC): 88.2 to 98.2

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
12:04	16.0		9.43	.588	32.2	9.32	13.35	-1	0	clear
12:07	16.5		9.29	.541	3.7	6.48	13.03	11	0	clear
12:11	16.08		8.44	.514	9.6	5.72	12.97	31	0	clear
12:14	16.08		8.76	.474	19.1	5.70	13.15	44	0	clear
12:17	16.08		8.57	.459	22.1	5.44	13.37	55	0	clear
12:20	16.08		8.41	.454	22.2	5.83	13.47	65	0	clear
12:23	16.08		8.20	.490	23.4	5.90	13.56	75	0	clear
12:27	16.08		8.10	.442	27.1	6.25	13.55	82	0	clear
12:30	16.08		8.04	.442	32.2	6.58	13.51	82	0	clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	12:35	500 mL Amber		
TPH Dx + Motor Oil	12:35	1L Amber		
PCP/PA #1	12:35	1L Amber		

End Time: 1300

Comments / Exceptions:

Sampled by Mark Ende

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-4L	Date	6/19/12
Sample ID	VG4L-0612	Field Team Initials	CK, JH
EPA Sample Number	12254321		

Field Conditions: 65°, partly cloudy

Purge Information

Well Diameter (in.)	2"	Purge Method (circle) :	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	87		
Initial Depth to Water (ft.)	11.80	Water Level Indicator #	C-102626
Depth of Water Column	75.20	Pump Indicator #	C-102531
3 Casing Volumes	36.77	Start Time	1347
1 Casing Volume	12.26	End Time	1430
		Total Gallons Purged	3.32
Sample Depth (ft. below TOC)	80		
Well Screen Interval (ft below TOC)	75 to 85	Purge Rate	320 mL/min
		Controller Frequency	—

Time	DTW	Gallons Purged	pH (0.2)	Conductivity (5%)	NTU (10%)	DO (0.2)	Temp. (1)	ORP (20)	Salinity	Appearance
1348	11.80		8.27	0.277	105	10.07	12.89	97	0.0	clear
1351	11.76		8.47	0.281	32	8.25	12.33	87	0.0	"
1354	11.73		8.40	0.279	53.4	8.04	12.27	91	0.0	"
1358	11.74		8.31	0.273	65.9	7.87	12.29	93	0.0	"
1401	11.65		8.32	0.274	81.2	7.77	12.30	95	0.0	"
1404	11.65		8.48	0.274	79.7	7.78	12.28	94	0.0	"
1407	11.58		8.54	0.274	76.1	7.72	12.29	94	0.0	"
1410	11.54		8.65	0.274	73.4	7.24	12.73	87	0.0	"
1413	11.51		8.75	0.274	63.8	7.23	12.75	80	0.0	"
1416	11.47		8.79	0.275	51.3	7.08	12.73	78	0.0	"
1419	11.42		8.89	0.277	60.1	6.63	12.86	71	0.0	"
1422	11.37		8.91	0.279	67.4	6.52	12.82	72	0.0	"
1425	11.37		9.02	0.279	50	6.38	12.88	67	0.0	

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC (2)	1430	500 mL Amber	—	
PCP/PAH-SIM (2)	1430	1L Amber	—	
TPH-Dro + Motor Oil (2)	1430	1L Amber	—	

End Time: 1445

Comments / Exceptions:

Purge rate: 400 mL/min @ 1349
320 mL/min @ 1352

PID 0.0 ppm @ 1405

Note: Turbidity failed to stabilize after 36 min. Water was clear and sample was collected.

Sampled by J. Horton

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	999CD-MW04	Date	9/20/2012
Sample ID	999CDMW04-0912	Field Team Initials	BP ME
EPA Sample Number	12254317		

Field Conditions: Sunny

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	78.0
Initial Depth to Water (ft.)	10.31
Depth of Water Column	67.69
3 Casing Volumes	33.10
1 Casing Volume	11.03

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

Water Level Indicator # C-102626

Pump Indicator # C-102537

Start Time	10:07
End Time	10:45
Total Gallons Purged	2.68 gal
Purge Rate	290/min
Controller Frequency	

Sample Depth (ft. below TOC)	73.0
Well Screen Interval (ft below TOC)	68.0 to 78.0

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1012	10.50		7.47	37.5	840	5.6	15.2	54	0	Cloudy orange
1015	10.54		7.80	36.5	640	5.7	14.0	16	0	cloudy orange
1018	10.59		7.84	36.0	640	5.3	13.8	5	0	Cloudy orange
1021	10.62		7.84	35.8	390	2.9	13.7	-0	0	Cloudy orange
1024	10.7		7.84	35.3	350	2.9	13.8	-4	0	Cloudy orange
1027	10.71		7.83	35.1	190	2.9	13.7	-2	0	Cloudy orange
1030	10.76		7.82	35.2	160	3.1	13.8	1	0	orange particles
1033	10.80		7.82	35.1	150	3.1	13.8	4	0	Orange particles
1036	10.84		7.81	35.1	100	3.1	13.8	7	0	Dark orange particles
1039	10.90		7.80	35.1	93	3.1	13.8	7	0	Dark orange particles
1042	10.93		7.82	35.1	100	2.9	13.8	9	0	" "

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC (2)	10:50	500mL Amber	None	
PCP/PAH (2)	10:50	1L Amber	None	
TPH-DRO+(Motor oil) (2)	10:50	1L Amber	None	

End Time: 1105

Comments / Exceptions:

Matt Arbo sampled

@ 1027 PURGE RATE = 290 mL/min

@ 1039 PURGE RATE = 290 mL/min

Cloudy orange w/ orange particulates

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-5L	Date	06/20/12
Sample ID	VG5L-0612	Field Team Initials	ME
EPA Sample Number	12254319		

Field Conditions: MOSTLY SUNNY, UPPER 60'S °F

Purge Information

Well Diameter (in.)	2	Purge Method (circle) :	Submersible Pump / other:
Well Depth (ft.)	75.4		Bladder Pump
Initial Depth to Water (ft.)	10.10	Water Level Indicator #	C102626 (Peristaltic Pump)
Depth of Water Column	65.3	Pump Indicator #	C102537
3 Casing Volumes	31.93	Start Time	1144
1 Casing Volume	10.64	End Time	1213
		Total Gallons Purged	8990 mL
Sample Depth (ft. below TOC)	68.3		
Well Screen Interval (ft below TOC)	63.4 to 73.4	Purge Rate	@ 1148 310 mL/min
		Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1147	10.41		9.50	38.4	30	4.0	15.2	83	0.0	CLEAR
1150	10.42		9.43	37.3	27	1.4	14.3	82	0.0	"
1153	10.44		9.30	36.3	22	1.2	14.2	84	0.0	"
1156	10.45		9.16	35.7	13	1.3	14.2	84	0.0	"
1159	~~10.52~~ 10.48		9.08	35.7	15	1.5	14.2	87	0.0	"
1202	10.49		8.86	35.7	13	1.8	14.2	92	0.0	"
1205	10.49		8.72	35.7	9	1.8	14.2	94	0.0	"
1208	10.50		8.58	35.7	8	1.9	14.2	94	0.0	"
1211	10.50		8.42	35.6	8	2.0	14.1	95	0.0	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1215	500mL AMBER (2)	–	
TPH-DRO + MOTOR OIL	↓	1 L AMBER (2)	–	
TPH-DRO + MOTOR OIL LD		1 L AMBER (2)	–	
PCP/PAH - SIM		1 L AMBER (2)	–	

End Time

Comments / Exceptions:

@ 1145 PID = 0.0 PPM
@ 1200 PURGE RATE = 310 mL/min
@ 1210 PURGE RATE = 300 mL/min
SAMPLED BY M. ENDO

* sampled by M. Endo

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	PZ-11	Date	6/20/2012
Sample ID	PZ-11-0612	Field Team Initials	CK BP
EPA Sample Number	12543326		
Field Conditions	Partly cloudy		

Purge Information

Well Diameter (in.)	2"	Purge Method (circle) :	Submersible Pump / Bladder Pump / Peristaltic Pump / other:
Well Depth (ft.)	34.2		
Initial Depth to Water (ft.)	7.54	Water Level Indicator #	C-102626
Depth of Water Column	26.66	Pump Indicator #	C-102656
3 Casing Volumes	13.04	Start Time	14:14
1 Casing Volume	4.35	End Time	14:53
		Total Gallons Purged	8410 mL
Sample Depth (ft. below TOC)	22.7		
Well Screen Interval (ft below TOC)	17.7 to 27.7	Purge Rate	290 mL/min
		Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1428	7.62		6.94	24.7	130	2.6	12.5	22	0	Cloudy w/orange
1431	7.63		6.74	24.2	110	1.2	11.5	24	0	cloudy w/orange
1434	7.61		6.66	23.8	110	0.6	10.9	26	0	"
1437	7.62		6.61	23.5	95	0.4	10.6	29	0	"
1440	7.62		6.59	23.1	55	0.4	10.5	30	0	cloudy
1443	7.62		6.57	23.1	31	0.4	10.4	31	0	~~cloudy~~ clear
1446	7.60		6.56	23.1	19	0.4	10.4	29	0	" w/particulate
1449	7.60		6.55	23.1	21	0.4	10.4	26	0	clear
1452	7.60		6.55	23.2	21	0.4	10.4	23	0	clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	14:55	500mL Amber	None	
TPH, DRO + Motor Oil	14:55	1L Amber	None	
PCP/PAH	14:55	1L Amber	None	

End Time 1515

Comments / Exceptions:

sampled by Cassie Kattan

flow - 290
cloudy w/orange particulate

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	MW-01	Date	6/21/12
Sample ID		Field Team Initials	
EPA Sample Number			

Field Conditions

Purge Information

Well Diameter (in.)		Purge Method (circle) :	*Submersible Pump* *other:*
Well Depth (ft.)			*Bladder Pump*
Initial Depth to Water (ft.)	43.83	Water Level Indicator #_____	*Peristaltic Pump*
Depth of Water Column		Pump Indicator #_____	
3 Casing Volumes		Start Time	
1 Casing Volume		End Time	
		Total Gallons Purged	
Sample Depth (ft. below TOC)			
Well Screen Interval (ft below TOC)	to	Purge Rate	
		Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
not sampled, could not get pump to pull water to surface (NB) 8/20/12										

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments

End Time

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-2L/MW-80	Date	6/21/2012
Sample ID	VG2L-0612/MW80-0612	Field Team Initials	JH BP
EPA Sample Number	122543O7/122543O8		
Field Conditions	Cloudy, breezy		

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	129.8
Initial Depth to Water (ft.)	21.28
Depth of Water Column	108.52
3 Casing Volumes	53.07
1 Casing Volume	17.69
Sample Depth (ft. below TOC)	115 *
Well Screen Interval (ft below TOC)	117.8 to 127.8

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

Water Level Indicator # C-101969

Pump Indicator # C-102531

Start Time	1150
End Time	1225
Total Gallons Purged	8750 mL 250
Purge Rate	~~300~~ /min
Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
11:51	21.35		7.32	2.99	33	2.6	14.1	-149	1.9	clear
11:54	21.35		7.26	3.09	63	.9	13.4	-171	1.9	clear
11:57	21.42		7.24	3.10	69	.5	13.3	-190	1.9	clear
12:00	21.45		7.24	3.07	130	.5	13.3	-203	1.9	clear
12:03	21.45		7.24	3.10	160	.4	13.3	-215	1.9	clear
12:06	21.47		7.24	3.11	48	.4	13.5	-235	1.9	clear
12:09	21.50		7.25	3.10	65	.4	14.0	-239	1.9	clear
12:12	21.5		7.24	3.14	25	.6	13.8	-248	1.9	clear
12:15	21.5		7.28	3.11	32	.6	14.4	-255	1.9	clear
12:18	21.5		7.24	3.09	31	.6	15.4	-257	1.9	clear

Sample Information

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

	Analysis	Time	Bottle Type	Preservative/Filtration	Comments
VG2L	SVOC	1230	500 mL Amber	None	
	PCP + PAH	1230	1L Amber	None	
	TPH-DRO & Motor Oil	1230	1L Amber	None	
MW80		1238			

End Time

Comments / Exceptions:

Janice Morton sampled

*See notes from previous attempt to sample on 6/18/12

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

Nicole Badin, Cassie Katzen, Mark Endo

Janice Herten, Brittany Prentice

Sampling Dates

June 18-22nd, 2012

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	W22XD	0076005	C-102521	6/18/12	0822

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = Turbidity = Temperature =

Conductivity = Dissolved Oxygen = Salinity =

Comments: Error 6 code repeatedly. Cleaned sensors and continuing to get error 6 code. Will not use Horiba today.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	90616010	C102309	6/18/12	0835/0837

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.00 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 3.97 / 3.99 Turbidity = 0.0 / 0.4 Temperature = 17.11 / 17.06

Conductivity = 3.81 / 3.78 Dissolved Oxygen = 10.02 / 9.98 Salinity = 0.23 / 0.23

Comments: First calibration reading out of tolerance, second reading out for Turbidity.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	1116023	C102670	6/18/12	0847

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 3.99 Turbidity = 0 Temperature = 17.8

Conductivity = 0.449 Dissolved Oxygen = 9.7 Salinity = 0.2

Comments:

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	W-22XD	9066010	C102389	6/19/12	0817

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 4.0 Turbidity = 0.0 Temperature = 14.44

Conductivity = 3.55 Dissolved Oxygen = 10.31 Salinity = 0.23

Comments: Conductivity will not calibrate, will not use this Horiba today.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	1116023	C102670	6/19/12	0825

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 3.99 Turbidity = 0 Temperature = 15.9

Conductivity = 0.449 (units) Dissolved Oxygen = 9.7 Salinity = 0.2

Comments:

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	0076005	C102521	6/19/12	0832

Calibrated to Autocal Solution Manufacturer Autocal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 4.0 Turbidity = 0.1 Temperature = 16.16

Conductivity = 4.49 Dissolved Oxygen = 9.97 Salinity = 0.2

Comments:

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	W-22XD	0076005	C-102521	6/20/12	0810

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49 MS/cm

Calibration Readings

pH = 4.00 Turbidity = ~~0.2~~ 0.1 ck Temperature = 15.28

Conductivity = 4.50 Dissolved Oxygen = 10.19 Salinity = 0.2

Comments:

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	9060010	C-102389	6/20/12	815

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 4.00 Turbidity = 0.0 Temperature = 14.34

Conductivity = 3.53 Dissolved Oxygen = 10.45 Salinity = 0.23

Comments: Conductivity will not calibrate. Will not use this unit today.

Meter Type	Manufacturer	Model Number	Mfg. Serial#	Rental Co. Serial #	Date	Time
Water Quality	Horiba	W-22XD	111/0623	C-102670	6/20/12	0825

Calibrated to Autocal Solution Manufacturer AutoCal Lot Number 9337

Autocal Solution pH = 4.0 Turbidity = 0.0 Conductivity = 4.49

Calibration Readings

pH = 3.98 Turbidity = 0.0 Temperature = 15.7

Conductivity = 4.48 Dissolved Oxygen = 9.8 Salinity = 0.2

Comments:

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	SE-02
Sample ID	SE-02-0612
EPA Sample Number	12254300
Date	6/18/2012
Field Team Initials	BP JH
Field Conditions	Cloudy, cool

Purge Information

Well Diameter (in.)	2" (12.57 in²)
Well Depth (ft.)	52
Initial Depth to Water (ft.)	13.84
Depth of Water Column	39.16
3 Casing Volumes	10.26
1 Casing Volume	3.42 ft3
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 # C102626

Pump Indicator # C-102531

Start Time	0949
End Time	1015
Total Gallons Purged	~~3500~~ 3500 mL
Purge Rate	100 mL/min
Controller Frequency	

Time	DTW	Gallons Purged (+/- 0.2)	pH (+/- 5%)	Conductivity (+/- 10%)	NTU	DO (+/- 0.2 mg/L)	Temp. (+/- 3°C)	ORP (+/- 20 mV)	Salinity	Appearance
0950	11.67		6.89	.587	79.9	7.80	10.86	254		clear
0953	14.1		6.97	.562	25.5	6.74	10.96	251		clear
0956	14.14		7.03	.526	22.6	6.46	10.97	249		clear
0959	14.14		7.06	.524	19.1	6.40	10.97	247		clear
1002	14.21		7.07	.509	17.1	6.32	11.07	246		clear
1005	14.25		7.09	.504	16.1	6.40	11.22	241		clear
1008	14.29		7.10	.507	13.9	6.25	11.32	239		clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	~~1133~~ 1040	0.5 L Amber	none	
TPH Dx + Motor oil	~~1040~~ 1015	1L Amber	None	
PCP/PAH	1015	1L Amber	None	

End Time 1141

Comments / Exceptions:

Sample collected by Janice Horton

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	VG-1L
Sample ID	VG-1L-0612
EPA Sample Number	~~122~~ 122 34304
Date	6/18/2012
Field Team Initials	JH BP
Field Conditions	Cloudy, breezy

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	~~113.58~~ 103.6
Initial Depth to Water (ft.)	13.05
Depth of Water Column	90.55 ft
3 Casing Volumes	23.7
1 Casing Volume	7.90 ft3
Sample Depth (ft. below TOC)	96.0
Well Screen Interval (ft below TOC)	91.6 to 101.6

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

Water Level Indicator # C-101969

Pump Indicator # C-102537

Start Time	1319
End Time	1410
Total Gallons Purged	10,200 mL
Purge Rate	200 mL/min
Controller Frequency	—

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
13:19	13.07		7.12	2.94	71.8	3.69	11.96	123	.2	clear
13:22	13.07		7.10	3.0	45.5	.62	11.91	118	.2	clear
13:25	13.00		7.12	2.98	52.9	.55	11.71	119	.2	clear
13:28	12.96		7.13	2.98	39.1	.57	11.64	112	.2	clear
13:31	12.88		7.15	2.97	40.0	10.51	11.61	107	.2	clear
13:34	12.83		7.16	2.97	31.5	.38	11.58	105	.2	clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	13:37	40mL Amber	None	
PCB/PAH	13:37	1L Amber	None	
TPH Dx ⊻ Motor Oil	13:37	1L Amber	None	

End Time 14:10

Comments / Exceptions:

Janice Morton Sampled

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
Sample ID	VG-2L-0612
EPA Sample Number	
Date	6/18/2012
Field Team Initials	BP JM
Field Conditions	cloudy, sprinkling

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	129.8
Initial Depth to Water (ft.)	15.05
Depth of Water Column	
3 Casing Volumes	
1 Casing Volume	

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

Water Level Indicator # C-101909

Pump Indicator # C-102537

Start Time	15:30
End Time	
Total Gallons Purged	
Purge Rate	
Controller Frequency	

Sample Depth (ft. below TOC)

Well Screen Interval (ft below TOC) to

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments

End Time

Comments / Exceptions:

* 4.5 ft from mid screen encountered sediment 17.3 top of 6

* Well not sampled 6/18 because DNAPL present and clogged sample tubing. Will try to resample 6/19

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	CW-05-0612
EPA Sample Number	12254311
Date	6/19/2012
Field Team Initials	JH BP
Field Conditions	cloudy

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	104.52
Initial Depth to Water (ft.)	11.67
Depth of Water Column	92.85
3 Casing Volumes	45.40
1 Casing Volume	15.13

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

Water Level Indicator # C-102626

Pump Indicator # C-102656

Start Time	10:01
End Time	10:25
Total Gallons Purged	4,800 mL
Purge Rate	200/min
Controller Frequency	

Sample Depth (ft. below TOC) 96.52

Well Screen Interval (ft below TOC) 91.52 to 101.52

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
10:05	11.92		7	2.41	19	3.8	12.3	-123	1.5	clear
10:08	11.96		7.25	2.53	9	0.9	12.3	-161	1.5	clear
10:11	12.00		7.25	2.55	5	0.4	12.3	-151	1.5	clear
10:14	12.07		7.3	2.56	11	0.4	12.2	-208	1.5	clear
10:17	12.09		7.3	2.56	6	0.3	12.3	-221	1.5	clear
10:20	12.12		7.3	2.56	7	0.3	12.3	-233	1.5	clear
10:23	12.15		7.28	2.57	7	0.3	12.3	-225	1.6	clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	10:25	1L Amber	None	
TPH-Dx + Motor Oil	10:25	1L Amber	None	
PCP/PAH	10:25	1L Amber	None	

End Time 11:03

Comments / Exceptions:

sampled by Janice Horton

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	99CDMW024
Sample ID	99CDMW02-0012
EPA Sample Number	122543,4
Date	6/19/2012
Field Team Initials	JH BP
Field Conditions	Cloudy, 58°F

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	~~80.25~~ 84.40
Initial Depth to Water (ft.)	10.25
Depth of Water Column	74.15
3 Casing Volumes	36.26
1 Casing Volume	12.09

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

Water Level Indicator # C-102626

Pump Indicator # C-102656

Start Time	11:27
End Time	1155
Total Gallons Purged	3000 mL

Sample Depth (ft. below TOC)	79.40
Well Screen Interval (ft below TOC)	74.40 to 84.40
Purge Rate	200/min
Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
11:36	10.38		8.23	34.9	290	3.4	13.1	-81	0	cloudy
11:39	10.34		8.22	34.5	260	2.4	13.1	-82	0	cloudy
11:42	10.37		8.20	33.8	240	2.4	13.1	-80	0	cloudy
11:45	10.40		8.18	33.4	240	2.6	13.0	-80	0	cloudy
11:48	10.40		8.17	33.1	230	2.7	13.0	-76	0	cloudy
11:51	10.41		8.16	33.1	210	2.7	13.0	-71	0	cloudy

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1155	0.5 L Amber	none	
TPHDx+Motoroil	1155	1L Amber	none	
PCP/PAH	1155	1L Amber	none	

End Time 1220

Comments / Exceptions:

PID: 0.6@BZ, 0.7@WH

sampled by J. Horton

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	PS-L
Sample ID	PS-L-0612
EPA Sample Number	1225320
Date	6/19/2012
Field Team Initials	ME BP
Field Conditions	sunny

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	82
Initial Depth to Water (ft.)	12.05
Depth of Water Column	69.95
3 Casing Volumes	33.81
1 Casing Volume	11.27

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

Water Level Indicator # C-101-969

Pump Indicator # C-102656

Start Time	14:48
End Time	15:15
Total Gallons Purged	7560 mL

Sample Depth (ft. below TOC)	69'
Well Screen Interval (ft below TOC)	70' to 80'
Purge Rate	200 mL/min → 2 gal/min
Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
14:51	12.00		7.75	.358	69.3	10.55	13.80	-38	0	cloudy
1454	12.00		7.51	0.328	197.0	8.44	13.43	-31	0.0	PARTLY CLOUDY
1457	11.9		7.31	.320	153	8.13	13.33	-17	0	"
1500	11.9		7.24	.306	65.3	7.99	13.36	-10	0	clear
1503	11.8		7.38	.303	50.9	8.57	13.37	-5	0	clear
1506	11.75		7.42	.301	43.3	8.55	13.43	-6	0	clear
1509	11.62		7.47	.303	37.8	8.52	13.43	-6	0	clear
1512	11.82		7.40	.301	41.0	8.41	13.37	-6	0	clear

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1520	.5L Amber	None	
PCP/PAH	1520	1L Amber	None	
TPH Dx & Motor Oil	1520	1L Amber	None	

End Time 1535

Comments / Exceptions:

pushed tubing down to 4½" from midscreen (70.5 ft) hit silt layer. sample depth 1.5' higher.

- sampled by M. Endo

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	P3L / MW70
Sample ID	P3L-0612 / MW70-0612
EPA Sample Number	122543I5 / 122543I6
Date	6/20/2012
Field Team Initials	CR
Field Conditions	sunny, 60°

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	125.6
Initial Depth to Water (ft.)	16.84
Depth of Water Column	109.76
3 Casing Volumes	53.67
1 Casing Volume	17.89

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

Water Level Indicator # C-101969

Pump Indicator # C-102656

Start Time	0935
End Time	1005
Total Gallons Purged	9,000 mL
Purge Rate	300 mL/min @ 0942
Controller Frequency	—

Sample Depth (ft. below TOC)	118.6
Well Screen Interval (ft below TOC)	113.6 to 123.6

Time	DTW	Gallons Purged	pH (0.2)	Conductivity (5) ms/cm	NTU (10)	DO (0.2)	Temp. (1)	ORP (20)	Salinity	Appearance
0937	16.91		6.91	41.0	106	6.39	12.55	-142	2.6	clear
0940	16.98		6.92	40.6	122	2.53	12.45	-152	2.6	"
0943	17.06		6.93	40.3	142	1.38	12.51	-166	2.5	"
0946	17.11		6.94	40.3	21.4	1.06	12.50	-181	2.5	"
0949	17.19		6.94	40.3	57.7	0.87	12.55	-206	2.6	"
0952	17.23		6.95	40.4	28.4	0.81	12.53	-223	2.6	"
0955	17.30		6.94	40.3	22.4	0.68	12.54	-235	2.6	"
0958	17.35		6.94	40.5	26.0	0.61	12.55	-245	2.6	"
1001	17.42		6.94	40.4	25.0	0.56	12.51	-249	2.6	"
1004	17.49		6.94	40.4	25.5	0.51	12.50	-255	2.6	"

Sample Information

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

	Analysis	Time	Bottle Type	Preservative/Filtration	Comments
P-3L	TPH-DRO + Motor Oil (2)	1007	1L Amber	—	
	PCP/PAH-SIM (2)	1007	1L Amber	—	
	SVOC (2)	1007	500mL Amber	—	
MW-70	TPH-DRO + Motor Oil (2)	1040	1L Amber	—	Field Dup
	PCP/PAH-SIM (2)	1040	1L Amber	—	1
	SVOC (2)	1040	500 mL Amber	—	

End Time 1050

Comments / Exceptions:

PID 0.2ppm @ 0942 • samples collected by C. Katen

Purge Rate 295 mL/min @ 0954

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	CN12
Sample ID	CN12-0612
EPA Sample Number	122543180
Date	6/20/12
Field Team Initials	CK, BP
Field Conditions	70°, sunny

Purge Information

Well Diameter (in.)	4"
Well Depth (ft.)	71.40
Initial Depth to Water (ft.)	11.09
Depth of Water Column	60.31
3 Casing Volumes	118.15
1 Casing Volume	39.4

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

Water Level Indicator # C-101969

Pump Indicator # C-1026560

Start Time	1115
End Time	~~1137~~ 1205
Total Gallons Purged	19,500 mL

Sample Depth (ft. below TOC)	62.40
Well Screen Interval (ft below TOC)	57.40 to 67.40
Purge Rate	390 mL/min @ 1117
Controller Frequency	—

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
1119	11.49	~~11.49~~	7.27	0.90	194	8.67	13.29	25	0.0	clear
1124	11.69		7.35	0.359	138	3.05	13.21	45	0.0	clear
1127	11.73		7.29	.354	124	3.13	13.16	53	0.0	clear
1130	11.76		7.24	.349	64	2.81	13.09	62	0	clear
1133	11.8		7.22	.345	60	2.71	13.13	67	0	clear
1134	11.82		7.20	.344	59.9	2.63	13.05	70	0	clear

Sample Information

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

Analysis	Time (1205)	Bottle Type	Preservative/Filtration	Comments
TPH-DRO + Motor Oil (2)	~~1140~~	1L Amber	—	
PCP/PAH-SIM (2)	~~1140~~ 1205	1L Amber	—	
SVOC (2)	~~1140~~ 1205	500mL Amber	—	

End Time 1230

Comments / Exceptions:

Purge Rate
300 mL/min @ 1121

Samples collected by B. Prentice

PID 0.0ppm

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.

Updated: 01/2009

Groundwater Sampling Data Sheet

Wyckoff Superfund Site - Bainbridge Island, Washington

Well ID	P-6L
Sample ID	P6L-0612
EPA Sample Number	12254322
Date	6/20/12
Field Team Initials	ME
Field Conditions	75°, Sunny

Purge Information

Well Diameter (in.)	2"
Well Depth (ft.)	90
Initial Depth to Water (ft.)	10.69
Depth of Water Column	79.31
3 Casing Volumes	38.78
1 Casing Volume	12.93

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

Water Level Indicator # C-101969

Pump Indicator # C-102537

Start Time	1402
End Time	1430
Total Gallons Purged	9800 mL
Purge Rate	350 mL/min @ 1404
Controller Frequency	—

Sample Depth (ft. below TOC)	83
Well Screen Interval (ft below TOC)	78 to 88

Time	DTW	Gallons Purged	pH	Conductivity (mS/cm)	NTU	DO (mg/L)	Temp.	ORP	Salinity	Appearance
1407	10.64		9.25	0.309	81.0	9.03	13.50	0.0 ↔ 48		CLEAR
1410	10.60		9.16	0.305	51.4	4.85	13.20	MR ~~41~~ 41	0.0	"
1413	10.56		9.06	0.302	21.1	3.77	13.15	45	0.0	"
1416	10.51		9.10	0.301	45.2	3.20	13.08	35	0.0	"
1419	10.49		9.09	0.302	44.1	2.88	12.89	32	0.0	"
1422	10.46		9.09	0.301	46.1	2.54	12.72	36	0.0	"
1425	10.40		9.00	0.300	49.3	2.55	12.65	36	0.0	"
1428	10.37		8.98	0.300	45.8	2.63	12.56	40	0.0	"
		PARAMETERS STABILIZED, PROCEED TO SAMPLE					CLEAR W/	ORANGE	FLOAT PARTICULATES	

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
TPH-DRO + Motor Oil (2)	1435	1L Amber	—	
PCP/PAH-SIM (2)	↓	1L Amber	—	
SVOC (2)	↓	500mL Amber	—	

End Time 1447

Comments / Exceptions:

(1) 1405 PID = 0.6 PPM

(2) 1415 PURGE RATE = 340 mL/min

(3) 1427 PURGE RATE = 400 mL/min

SAMPLED BY M. ENDO

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	Date	06/21/12
Sample ID	MW21-0612	Field Team Initials	ME, CK
EPA Sample Number	12254323		

Field Conditions: MOSTLY CLOUDY, LOW 60'S °F

Purge Information

Well Diameter (in.)	2
Well Depth (ft.)	23.2
Initial Depth to Water (ft.)	10.61
Depth of Water Column	12.59
3 Casing Volumes	6.16
1 Casing Volume	2.05
Sample Depth (ft. below TOC)	13.2
Well Screen Interval (ft below TOC)	8.2 to 18.2

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

Water Level Indicator # CIC2626

Pump Indicator # CIC2537

Start Time	0933
End Time	1012
Total Gallons Purged	39
Purge Rate	@0939 100ML/MIN
Controller Frequency	

Time	DTW	Gallons Purged	pH	Conductivity	NTU	DO	Temp.	ORP	Salinity	Appearance
0937	11.11		6.65	0.841	61.6	3.68	14.11	95	0.05	CLEAR
0940	11.32		6.71	0.787	36.9	3.30	13.42	64	0.04	"
0943	11.45		6.72	0.762	34.3	2.88	13.15	46	0.04	"
0946	11.47		6.73	0.757	21.6	2.90	13.23	33	0.04	"
0949	11.51		6.74	0.761	18.8	3.28	13.46	26	0.04	"
0952	11.41		6.76	0.765	18.9	3.56	14.01	24	0.04	"
0955	11.41		6.78	0.778	18.8	4.58	15.05	24	0.04	"
0958	11.41		6.80	0.796	15.0	5.25	15.90	21	0.04	"
1003	11.42		6.82	0.811	14.1	5.77	16.53	18	0.04	#1
1006	11.44		6.82	0.814	14.5	5.87	16.69	18	0.04	"
1009	11.46		6.82	0.917	15.0	6.02	16.81	17	0.04	"
		DO, TURBIDITY	NOT STABILIZED		PROCEED TO		SAMPLE.			

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC	1015	500mL AMBER (2)	-	
TPH - DRO + MOTOR OIL	↓	1L AMBER (2)	-	
PCP/PAH - SIM	↓	1L AMBER (2)	-	

End Time: 1210

Comments / Exceptions:

• Sampled by M. Endo

① 0935 PID = 0.0 PPM

② 0956 PURGE RATE = 50 ML/MIN

③ 1008 PURGE RATE = 50 ML/MIN.

* NOTE: HORIBA CALIBRATED WITH ERROR - LOW CONDUCTIVITY #.

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	PZ03	Date	6/21/12
Sample ID	PZ03-0612	Field Team Initials	CK
EPA Sample Number	12254324		
Field Conditions	65°, partly sunny		

Purge Information

Well Diameter (in.)	2"	Purge Method (circle) :	Submersible Pump / other:
Well Depth (ft.)	53.8		Bladder Pump
Initial Depth to Water (ft.)	12.31	Water Level Indicator # C-102656	Peristaltic Pump
Depth of Water Column	41.49	Pump Indicator # C-102626	
3 Casing Volumes	20.33	Start Time	1133
1 Casing Volume	~~29.18~~ 10.78	End Time	1156
		Total Gallons Purged	3,220 mL
Sample Depth (ft. below TOC)	29.2		
Well Screen Interval (ft below TOC)	24.2 to 34.2	Purge Rate	140 mL/min @ 1139
		Controller Frequency	—

Time	DTW	Gallons Purged	pH (.2)	Conductivity (5) mS/cm *	NTU (10)	DO (.2)	Temp. (1)	ORP (20)	Salinity	Appearance
1136	13.05		7.23	0.867	18.8	1.19	12.4	5	0.05	clear w/ orange particulate
1139	13.04		7.27	0.852	8.8	0.07	11.92	-20	0.05	" "
1142	13.05		7.29	0.844	13.4	0.00	11.88	-29	0.05	"
1145	13.12		7.28	0.845	8.5	0.00	11.75	-36	0.05	"
1148	13.20		7.28	0.847	9.4	0.00	11.62	-48	0.05	"
1151	13.18		7.28	0.854	9.5	0.00	11.63	-60	0.05	"
1154	13.21		7.28	0.858	10.0	0.00	11.61	-68	0.05	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOC (4)	1157	500 mL Amber		
TPH-DRO + Motor Oil (2)	1157			
PCP/PAH-SIM (4)	1157			

End Time 1245

Comments / Exceptions:

Purge Rate 310 mL/min @ 1135
120 mL/min @ 1145

PID 0.2 ppm @ 1144

*Sampled by C. Katzen

* Horiba would not calibrate for conductivity - low conductivity reading.

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	6/21/12
Sample ID	PZ09-0612	Field Team Initials	CK, ME
EPA Sample Number	1225432S		

Field Conditions: 65°, partly sunny

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.)	8.12	Water Level Indicator #	C-102626
Depth of Water Column	25.08	Pump Indicator #	C-102537
3 Casing Volumes	12.24	Start Time	1307
1 Casing Volume	4.09	End Time	1328
		Total Gallons Purged	4,410 mL
Sample Depth (ft. below TOC)	21.7		
Well Screen Interval (ft below TOC)	16.7 to 26.7	Purge Rate	210 mL/min
		Controller Frequency	

Time	DTW	Gallons Purged	pH (0.2)	Conductivity* (5%)	NTU (10%)	DO (0.2)	Temp. (1)	ORP (20)	Salinity	Appearance
1312	8.15		6.47	0.434	4.8	5.93	10.21	202	0.03	clear
1315	8.17		6.47	0.409	0.1	4.84	9.11	195	0.02	"
1318	8.17		6.48	0.405	0.1	4.78	9.09	192	0.02	"
1321	8.17		6.48	0.402	0.0	4.71	9.01	192	0.02	"
1324	8.17		6.47	0.400	0.4	4.70	8.96	191	0.02	"
1327	8.18		6.47	0.400	0.0	4.72	8.95	191	0.02	"

Sample Information

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

Analysis	Time	Bottle Type	Preservative/Filtration	Comments
SVOCs	1329	500 mL Amber (2)	-	
TPH-DRO + Motor Oil	1329	1L Amber (2)	-	
PCP/PAH-SIM	1329	1L Amber (2)	-	

End Time: 1400

Comments / Exceptions:

Purge Rate: 210 mL/min @ 1310

* Horiba calibrated w/ error - low conductivity #.

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

DateShipped: 6/19/12

Fed EX

8703 9858 7593

CHAIN OF CUSTODY RECORD

Site #: WEH-016N

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-165539-0001

Cooler # 1

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	12254301	CW02-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254301	CW02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3, N4) 4	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

8703 9858 7593

CHAIN OF CUSTODY RECORD

Wyckoff Eagle Harbor Groundwater Superfund Site

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-165539-0001

Cooler # 1

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	12254301	CW02-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254301	CW02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3, N4) 4	1 liter amber	4 C	N
	12254302	P1L-0612 + LD	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7608

CHAIN OF CUSTODY RECORD

Site #: WEH-016N

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-172203-0002

Cooler # 2

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	12254300	SE02-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254300	SE02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3,N4) 2	1 liter amber	4 C	N
	12254300	SE02-0612	SVOC	Ground Water	6/18/2012	(N5,N6) 2	0.5 liter amber	4 C	N
	12254301	CW02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254301	CW02-0612	SVOC	Ground Water	6/18/2012	(N5,N6) 2	0.5 liter amber	4 C	N
	12254304	VG1L-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1,N2) 2	1 liter amber	4 C	N
	12254304	VG1L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7608

CHAIN OF CUSTODY RECORD

Wyckoff Eagle Harbor Groundwater Superfund Site

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-172203-0002

Cooler # 2

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	6/19/12 Numb Cont	Container	Preservative	MS/MSD
	12254300	SE02-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1,N2) 2	1 liter amber	4 C	N
	12254300	SE02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3,N4) 2	1 liter amber	4 C	N
	12254300	SE02-0612	SVOC	Ground Water	6/18/2012	(N5,N6) 2	0.5 liter amber	4 C	N
	12254301	CW02-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254301	CW02-0612	SVOC	Ground Water	6/18/2012	(N5,N6) 2	0.5 liter amber	4 C	N
	12254304	VG1L-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1,N2) 2	1 liter amber	4 C	N
	12254304	VG1L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7619

CHAIN OF CUSTODY RECORD

Site #: WEH-016N

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-215104-0003

Cooler #: 3

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	12254303	02CDMW01-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1,N2) 2	1 liter amber	4 C	N
	12254303	02CDMW01-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3,N4) 2	1 liter amber	4 C	N
	12254303	02CDMW01-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254304	VG1L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254304	VG1L-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254305	CW09-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254305	CW09-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7619

CHAIN OF CUSTODY RECORD

Wyckoff Eagle Harbor Groundwater Superfund Site

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-215104-0003

Cooler #: 3

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	6/19/12 Numb Cont	Container	Preservative	MS/MSD
	12254303	02CDMW01-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254303	02CDMW01-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3, N4) 2	1 liter amber	4 C	N
	12254303	02CDMW01-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254304	VG1L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254304	VG1L-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254305	CW09-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254305	CW09-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3) 1	1 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7620

CHAIN OF CUSTODY RECORD

Site #: WEH-016N

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-215832-0004

Cooler #: 4

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	6/19/12 Numb Cont	Container	Preservative	MS/MSD
	12254305	CW09-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254305	CW09-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254306	P2L-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254306	P2L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3, N4) 2	1 liter amber	4 C	N
	12254306	P2L-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Mark Badon	6/19/12									

USEPA

DateShipped: 6/19/12

Fed EX

AirbillNo: 8703 9858 7620

CHAIN OF CUSTODY RECORD

Wyckoff Eagle Harbor Groundwater Superfund Site

Contact Name: Nicole Badon

Contact Phone: 425-233-4405

No: 10-061812-215832-0004

Cooler #: 4

Lab: MEL (Manchester Environmental Laboratory)

Lab Phone: 360-871-8760

Lab #	Sample #	Location	Analyses	Matrix	Collected	6/19/12 Numb Cont	Container	Preservative	MS/MSD
	12254305	CW09-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N4) 1	1 liter amber	4 C	N
	12254305	CW09-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N
	12254306	P2L-0612	PCP/PAH-SIM	Ground Water	6/18/2012	(N1, N2) 2	1 liter amber	4 C	N
	12254306	P2L-0612	TPH-DRO + MOTOR OIL	Ground Water	6/18/2012	(N3, N4) 2	1 liter amber	4 C	N
	12254306	P2L-0612	SVOC	Ground Water	6/18/2012	(N5, N6) 2	0.5 liter amber	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Nicole Badon	6/19/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7652

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 5

No: 10-061912-194901-0009
Lab: MEL (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
12254320	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/20/12	P5L-0612	06/19/2012 15:20	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 Baker	6/20/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7652

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

No: 10-061912-194901-0009
Lab: MEL (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
12254320	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/20/12	P5L-0612	06/19/2012 15:20	

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
	Mark Endo	6/20/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7641

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 4

No: 10-061912-194612-0008
Lab: MEL (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
12254310	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1,N2,N3,N4,N5,N6 6/20/12	MW50-0612	06/19/2012 11:35	Field Duplicate
12254321	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1,N2,N3,N4,N5,N6 6/20/12	VG4L-0612	06/19/2012 14:30	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 Braden	6/20/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7641

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

No: 10-061912-194612-0008
Lab: MEL (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
12254310	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 @6/20/12	MW50-0612	06/19/2012 11:35	
12254321	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 @6/20/12	VG4L-0612	06/19/2012 14:30	

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
	Mirabo Baker	6/20/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7630

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 3

No: 10-061912-194420-0007
Lab: MEL (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
12254309	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (10) N1,N2,N3,N4,N5,N6,N7,N8,N9,N10	CW15-0612 + MS/MSD	06/19/2012 12:05	Lab QC
12254313	Ground Water/ Mark Endo	Grab	SVOC	C (4 C) (2) N5,N6 6/20/12	VG3L-0612 + LD	06/19/2012 12:35	Lab QC

Sample(s) to be used for Lab QC: 12254309

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]	6/20/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7630

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

No: 10-061912-194420-0007
Lab: MEL (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
12254309	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (10) N1,N2,N3,N4,N5,N6,N7,N8,N9,N10	CW15-0612 + MS/MSD	06/19/2012 12:05	
12254313	Ground Water/ Mark Endo	Grab	SVOC	C (4 C) (2) N5,N6 NB 6/20/12	VG3L-0612 + LD	06/19/2012 12:35	

Sample(s) to be used for Lab QC: 12254309

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	6/20/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7582

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 2

No: 10-061912-194204-0006
Lab: MEL (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
12254311	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	CW05-0612	06/19/2012 10:25	Field Sample
12254313	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL	A (4 C), B (4 C) (6) N1, N2, N3, N4, N7, N8	VG3L-0612 + LD	06/19/2012 12:35	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
	Micah Batton	6/20/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7582

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

No: 10-061912-194204-0006
Lab: MEL (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
12254311	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	CW05-0612	06/19/2012 10:25	
12254313	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL	A (4 C), B (4 C) (6) N1, N2, N3, N4, N7, N8	VG3L-0612 + LD	06/19/2012 12:35	

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 Haden	6/20/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/20/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7571

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 1

No: 10-061912-192020-0005
Lab: MEL (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
12254312	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	P4L-0612	06/19/2012 10:30	Field Sample
12254314	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	99CDMW02-0612	06/19/2012 11:55	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 Beeler	6/20/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7663

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

No: 10-062012-150130-0010
Lab: MEL (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
12254315	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	P3L-0612	06/20/2012 10:07	
12254316	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	MW70-0612	06/20/2012 10:40	

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
	Nicol Baker	6/21/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7663

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 1

No: 10-062012-150130-0010
Lab: MEL (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
12254315	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	P3L-0612	06/20/2012 10:07	Field Sample
12254316	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	MW70-0612	06/20/2012 10:40	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]	6/21/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7674

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

No: 10-062012-150336-0011
Lab: MEL (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
12254317	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	99CDMW04-0612	06/20/2012 10:50	
12254318	Ground Water/ Brittany Prentice	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	CW12-0612	06/20/2012 12:05	

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]	6/21/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7674

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 2

No: 10-062012-150336-0011
Lab: MEL (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
12254317	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 @ 6/21/12	99CDMW04-0612	06/20/2012 10:50	Field Sample
12254318	Ground Water/ Brittany Prentice	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	CW12-0612	06/20/2012 12:05	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
	Mike Gaden	6/21/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7685

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

No: 10-062012-150421-0012
Lab: MEL (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
12254319	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (8) N1, N2, N3, N4, N5, N6, N7, N8 @ 6/21/12	VG5L-0612 +LD	06/20/2012 12:15	

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
	Nicole Barlow	6/21/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7685

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 3

No: 10-062012-150421-0012
Lab: MEL (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
12254319	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (8) N1, N2, N3, N4, N5, N6, N7, N8 @6/21/12	VG5L-0612 +LD	06/20/2012 12:15	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
	[signature]	6/21/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7696

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

No: 10-062012-150557-0013
Lab: MEL (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
12254322	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	P6L-0612	06/20/2012 14:35	
12254326	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/21/12	PZ11-0612	06/20/2012 14:55	

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 Gadon	6/21/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/21/2012
CarrierName: FedEx
AirbillNo: 8703 9858 7696

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 4

No: 10-062012-150557-0013
Lab: MEL (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
12254322	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	P6L-0612	06/20/2012 14:35	Field Sample
12254326	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	PZ11-0612	06/20/2012 14:55	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 Kaston	6/21/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

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

No: 10-062112-134338-0014
Lab: MEL (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
12254323	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/22/12	MW21-0612	06/21/2012 10:15	
12254325	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6 6/22/12	PZ09-0612	06/21/2012 13:29	

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]	6/22/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 1

No: 10-062112-134338-0014
Lab: MEL (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
12254323	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	MW21-0612	06/21/2012 10:15	Field Sample
12254325	Ground Water/ Mark Endo	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	PZ09-0612	06/21/2012 13:29	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 Baden	6/22/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

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

No: 10-062112-134510-0015
Lab: MEL (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
12254324	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (10) N1, N2, N3, N4, N5, N6, N7, N8, N9, N10	PZ03-0612 + MS/MSD	06/21/2012 11:57	

Sample(s) to be used for Lab QC: 12254324

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]	6/22/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 2

No: 10-062112-134510-0015
Lab: MEL (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
12254324	Ground Water/ Cassie Katzen	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (10) N1, N2, N3, N4, N5, N6, N7, N8, N9, N10	PZ03-0612 + MS/MSD	06/21/2012 11:57	Lab QC

Sample(s) to be used for Lab QC: 12254324

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
	Michael Galvin	6/22/12									

USEPA CLP Generic COC (LAB COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

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

No: 10-062112-150636-0016
Lab: MEL (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
12254307	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1,N2,N3,N4,N5,N6	VG2L-0612	06/21/2012 12:30	
12254308	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1,N2,N3,N4,N5,N6	MW80-0612	06/21/2012 12:38	

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]	6/22/12									

USEPA CLP Generic COC (REGION COPY)
DateShipped: 6/22/2012
CarrierName: Hand Delivery

CHAIN OF CUSTODY RECORD
Wyckoff Eagle Harbor Groundwater Superfund Site
Project Code: WEH-016N
Cooler #: 3

No: 10-062112-150636-0016
Lab: MEL (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
12254307	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	VG2L-0612	06/21/2012 12:30	Field Sample
12254308	Ground Water/ Janice Horton	Grab	PCP/PAH-SIM, TPH-DRO + MOTOR OIL, SVOC	A (4 C), B (4 C), C (4 C) (6) N1, N2, N3, N4, N5, N6	MW80-0612	06/21/2012 12:38	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
	Michael Baker	6/22/12									

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: July, 27 2012

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-016N
Account Code: 2012T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Marlow Laubach- 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 3535 and 8270.

This review was conducted for the following samples:

12254300	12254301	12254302	12254303	12254304	12254305
12254306	12254307	12254308	12254309	12254310	12254311
12254312	12254313	12254314	12254315	12254316	12254317
12254318	12254319	12254320	12254321	12254322	12254323
12254324	12254325	12254326			

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)

Initial calibration was performed 06/13/12. 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 relative retention time (RRT) windows for all target and surrogate compounds. The relative response factors (RRFs) were ≥0.05 and the percent accuracies were 80-120% of the true value for all reported results.

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 74W062112L1 and/or 74W062112L2 resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated sample results were all non-detects and qualified as estimated, "J/UJ". Associated samples: 12254300, 12254301, 12254302, 12254303, 12254304, 12254305, 12254306.

Sample 74W062212L1 resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated sample results were all non-detects and qualified as estimated, "J/UJ". Associated samples: 12254309, 12254310, 12254311, 12254312, 12254313, 12254314, 12254320.

Sample 74W062212L2 went to dryness during an evaporation step of sample preparation. The data was not reported. None of the sample results required qualification on this basis.

Samples 74W062512L1 and/or 74W062512L2 resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated sample results were all non-detects and qualified as estimated, "J/UJ". Associated samples:

Associated samples: 12254307, 12254308, 12254315, 12254316, 12254317, 12254318, 12254319, 12254321, 12254322, 12254323, 12254324, 12254325, 12254326.

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 - *Laboratory/QAPP Criteria Not Met*

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 except for the following.

Sample 12254309 resulted with a low recoveries for bis(2-chloroethyl)ether-d8, 2-chlorophenol-d4 and nitrobenzene-d5. All of the associated results in sample 12254309 were non-detects and qualified as estimated. "J/UJ". Associated results: bis(2-chloroethyl)ether, 2-chlorophenol, bis(2-chloroisopropyl)ether, N-nitrosodipropylamine, hexachloroethane, nitrobenzene, bis(2-chloroethoxy)methane, 2,6-dinitrotoluene, 2,4-dinitrotoluene, N-nitrosodiphenylamine.

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 12254309 and 12254324. The recoveries met the Wyckoff GSEP specified criteria of 65-135% with a relative percent difference (RPD) of ≤35 except for the following.

Samples 12254309MS and/or 12254309MSD resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam, hexachlorocyclopentadiene, 3-nitroaniline and 3,3'-dichlorobenzindine. Associated results in the native sample were all non-detects and qualified as estimated, "J/UJ".

Samples 12254309MS resulted with >135% recovery for 1-methylnaphthalene. The associated detected result in the native sample was qualified as estimated, "J".

Samples 12254324MS and/or 12254324MSD resulted with <65% recovery for hexachloroethane, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, caprolactam and hexachlorocyclopentadiene. Associated results in the native sample were all non-detects and qualified as estimated, "J/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. 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.

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 25, 2012

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-016N
Account Code: 2012T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Marlow Laubach- 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 using Washington State Department of Ecology Method NWTPH-Dx.

This review was conducted for the following water samples:

12254300	12254301	12254302	12254303	12254304	12254305
12254306	12254307	12254308	12254309	12254310	12254311
12254312	12254313	12254314	12254315	12254316	12254317
12254318	12254319	12254320	12254321	12254322	12254323
12254324	12254325	12254326			

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 05/30/2012 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 12254302, 12254307, and 12254313, 12254319. All results that were above 5 times the reporting limit met the relative percent difference (RPD) criteria of ≤35.

11. Compound Identification/Quantitation

Samples 12254305, 12254307, 12254308, 12254309, 12254310, 12254311, 12254315 and 12254326 have diesel range hydrocarbon results. The chromatographic pattern of the compounds detected are all similar and do not match the #2 diesel standard, however, the pattern is consistent with creosote. 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 26, 2012

To: Howard Orlean, EPS
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 Polyaromatic Hydrocarbon Analysis of Samples from the Wyckoff Eagle Harbor Groundwater Project

Project Code: WEH-016N
Account Code: 2012T10P303DD210W2LA00

CC: Nicole Badon- CH2MHill
Marlow Laubach- USACE

The following is a quality assurance review of the data for polyaromatic hydrocarbon (PAH) 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-SIM.

This review was conducted for the following samples:

12254300	12254301	12254302	12254303	12254304	12254305
12254306	12254307	12254308	12254309	12254310	12254311
12254312	12254313	12254314	12254315	12254316	12254317
12254318	12254319	12254320	12254321	12254322	12254323
12254324	12254325	12254326			

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 07/11/2012 for the target and surrogate compounds. Percent relative standard deviations (%RSDs) of the relative response factors (RRFs) met the criteria of ≤20%.

The CCVs for samples met the criteria for frequency of analysis and relative retention time (RRT) windows for all target and surrogate compounds. The RRFs were ≥0.05 and the percent accuracies were 80-120% of the true.

6. Laboratory Control Sample/Laboratory Control Sample Duplicates (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 met the GSEP criteria of 65-135% with a relative percent difference (RPD) of ≤35.

7. Blank Analysis—*Laboratory/QAPP Criteria Not Met*

Method blanks were prepared and analyzed with each sample extraction batch to evaluate the potential for laboratory contamination and effects on the sample results. Low level target analytes: Benzo(a) anthracene, Chrysene, Benzo[b]fluoranthene, and Benzo[k]fluoranthene were detected in the blanks prepared on 6/22/2012 (66W062212B1 and 66W062212B2). 66W062212B1 had slightly higher levels and was used to evaluate results in all the samples prepared on the same day. As a result, analytes that were detected an associated sample that were within 5 times the blank's concentration had reported results U flagged at the level detected in that sample. This affected samples 12254309, 12254310, and 12254311. Note that the two blanks prepared on 6/25/2012 met the blank criteria in that no target analytes were detected.

8. Surrogate Spikes

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. The surrogate recoveries met the criteria of 50-150%.

9. 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 12254309 and 12254324. The recoveries met the GSEP criteria of 65-135% with a relative percent difference (RPD) of ≤35 except for the following.

The recoveries for Napthalene, Acenaphthylene, Acenaphthene, and 9H-Fluorene, and could not be determined accurately due to the amount present in the native sample relative to the spike amount and were qualified "NA" in samples 12254309. None of the data were qualified on this basis.

10. 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.

11. 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".

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: August 2, 2012

To: Howard Orlean, EPS
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 Groundwater Superfund site.

Project Code: WEH-016N
Account Code: 2012T10P303DD210W2LA00

CC: Nicole Badon, CH2MHill
Marlowe Laubach, 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:

12254300	12254301	12254302	12254303	12254304	12254305
12254306	12254307	12254308	12254309	12254310	12254311
12254312	12254313	12254314	12254315	12254316	12254317
12254318	12254319	12254320	12254321	12254322	12254323
12254324	12254325	12254326			

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.

All measures of quality control met Laboratory/QAPP criteria.

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 06/20/12. Percent relative standard deviations (RSDs) of the calibration factors met the criteria of $\leq$20% or correlation coefficients met the criteria of $\geq$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)

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 $\leq$35.

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 $\leq$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-016N

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
Marlow Laubach- 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 06/18/12 to 06/21/12. 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-016N

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
Marlow Laubach- 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 on 06/18/2012 through 06/22/2012. 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-016N

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
Marlow Laubach- 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 06/18/12 to 06/22/12. 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 Groundwater Superfund site, Bainbridge Island, WA.

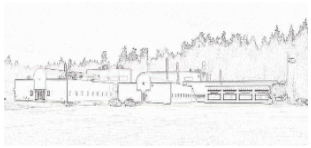
PROJECT CODE: WEH-016N

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
Marlowe Laubach- USACE

I have authorized release of this data package. Attached you will find the pentachlorophenol results for the Wyckoff Groundwater Superfund site project for the samples collected 06/18/12 to 06/22/12. 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-016N
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2012T10P303DD210W2LA00

Sample : 12254300

Description : SE02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

85687	Butylbenzylphthalate	1.0 ug/L	U	6/27/12	1
58082	Caffeine	1.0 ug/L	U	6/27/12	1
105602	Caprolactam	1.0 ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0 ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0 ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0 ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0 ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0 ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0 ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0 ug/L	U	6/27/12	1
87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	88 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	87 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	67 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	72 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	87 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	70 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	88 %Rec		6/27/12	1
1719068	Anthracene-D10	89 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	99 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	84 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	81 %Rec		6/27/12	1
1718521	D10-Pyrene	101 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	86 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	82 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	91 %Rec		6/27/12	1
4165622	Phenol-d5	88 %Rec		6/27/12	1

Sample : 12254301

Description : CW02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	96 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	95 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	70 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	72 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	95 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	77 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	95 %Rec		6/27/12	1
1719068	Anthracene-D10	91 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	101 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	92 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	86 %Rec		6/27/12	1
1718521	D10-Pyrene	102 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	93 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	85 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	98 %Rec		6/27/12	1
4165622	Phenol-d5	95 %Rec		6/27/12	1

Sample : 12254302

Description : P1L-0612+LD
Matrix : Water
Collected : 6/18/2012 11:30:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	93 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	95 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	72 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	70 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	92 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	75 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	94 %Rec		6/27/12	1
1719068	Anthracene-D10	92 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	100 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	86 %Rec		6/27/12	1
1718521	D10-Pyrene	101 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	91 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	86 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	97 %Rec		6/27/12	1
4165622	Phenol-d5	93 %Rec		6/27/12	1

Sample : 12254303

Description : 02CDMW01-0612
Matrix : Water
Collected : 6/18/2012 1:50:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/27/12	1
1912249	Atrazine	1.1	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/27/12	1
58082	Caffeine	1.1	ug/L	U	6/27/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/27/12	1
78591	Isophorone	1.1	ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.1	ug/L	U	6/27/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/27/12	1
108952	Phenol	1.1	ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	90	%Rec		6/27/12	1
93951781	2-Nitrophenol-D4	93	%Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	78	%Rec		6/27/12	1
191656334	4-Chloroaniline-D4	66	%Rec		6/27/12	1
190780666	4-Methylphenol-D8	90	%Rec		6/27/12	1
93951792	4-Nitrophenol-D4	78	%Rec		6/27/12	1
93951974	Acenaphthylene-D8	92	%Rec		6/27/12	1
1719068	Anthracene-D10	91	%Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	102	%Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	86	%Rec		6/27/12	1
81103799	D10-Fluorene (SS)	86	%Rec		6/27/12	1
1718521	D10-Pyrene	101	%Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	88	%Rec		6/27/12	1
93951894	Dimethylphthalate-D6	88	%Rec		6/27/12	1
4165600	Nitrobenzene-d5	92	%Rec		6/27/12	1
4165622	Phenol-d5	90	%Rec		6/27/12	1

Sample : 12254304

Description : VG1L-0612
Matrix : Water
Collected : 6/18/2012 1:37:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/27/12	1
1912249	Atrazine	1.1	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/27/12	1
58082	Caffeine	1.1	ug/L	U	6/27/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/27/12	1
78591	Isophorone	1.1	ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.1	ug/L	U	6/27/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/27/12	1
108952	Phenol	1.1	ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	88	%Rec		6/27/12	1
93951781	2-Nitrophenol-D4	89	%Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	76	%Rec		6/27/12	1
191656334	4-Chloroaniline-D4	76	%Rec		6/27/12	1
190780666	4-Methylphenol-D8	88	%Rec		6/27/12	1
93951792	4-Nitrophenol-D4	85	%Rec		6/27/12	1
93951974	Acenaphthylene-D8	92	%Rec		6/27/12	1
1719068	Anthracene-D10	90	%Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	101	%Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	83	%Rec		6/27/12	1
81103799	D10-Fluorene (SS)	84	%Rec		6/27/12	1
1718521	D10-Pyrene	99	%Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	88	%Rec		6/27/12	1
93951894	Dimethylphthalate-D6	88	%Rec		6/27/12	1
4165600	Nitrobenzene-d5	94	%Rec		6/27/12	1
4165622	Phenol-d5	84	%Rec		6/27/12	1

Sample : 12254305

Description : CW09-0612
Matrix : Water
Collected : 6/18/2012 3:40:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/27/12	1
1912249	Atrazine	1.1	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	2.1	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/27/12	1
58082	Caffeine	1.1	ug/L	U	6/27/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/27/12	1
132649	**Dibenzofuran**	**2.2**	**ug/L**		6/27/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/27/12	1
78591	Isophorone	1.1	ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/27/12	1
90120	**Naphthalene, 1-methyl-**	**1.6**	**ug/L**		6/27/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/27/12	1
108952	Phenol	1.1	ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	93	%Rec		6/27/12	1
93951781	2-Nitrophenol-D4	96	%Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	81	%Rec		6/27/12	1
191656334	4-Chloroaniline-D4	69	%Rec		6/27/12	1
190780666	4-Methylphenol-D8	94	%Rec		6/27/12	1
93951792	4-Nitrophenol-D4	86	%Rec		6/27/12	1
93951974	Acenaphthylene-D8	95	%Rec		6/27/12	1
1719068	Anthracene-D10	93	%Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	101	%Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	89	%Rec		6/27/12	1
81103799	D10-Fluorene (SS)	89	%Rec		6/27/12	1
1718521	D10-Pyrene	98	%Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	92	%Rec		6/27/12	1
93951894	Dimethylphthalate-D6	89	%Rec		6/27/12	1
4165600	Nitrobenzene-d5	97	%Rec		6/27/12	1
4165622	Phenol-d5	93	%Rec		6/27/12	1

Sample : 12254306

Description : P2L0612
Matrix : Water
Collected : 6/18/2012 4:55:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	92 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	95 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	72 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	59 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	93 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	74 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	96 %Rec		6/27/12	1
1719068	Anthracene-D10	93 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	102 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	91 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	87 %Rec		6/27/12	1
1718521	D10-Pyrene	103 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	91 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	86 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	98 %Rec		6/27/12	1
4165622	Phenol-d5	93 %Rec		6/27/12	1

Sample : 12254307

Description : VG2L-0612
Matrix : Water
Collected : 6/21/2012 12:30:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**4.0**	**ug/L**		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	**9H-Carbazole**	**21**	**ug/L**		6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	**Dibenzofuran**	**29**	**ug/L**		6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	**Naphthalene, 1-methyl-**	**39**	**ug/L**		6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	74	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	79	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	84	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	59	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	76	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	81	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	79	%Rec		6/29/12	1
1719068	Anthracene-D10	84	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	93	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	72	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	78	%Rec		6/29/12	1
1718521	D10-Pyrene	98	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	76	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	75	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	84	%Rec		6/29/12	1
4165622	Phenol-d5	78	%Rec		6/29/12	1

Sample : 12254308

Description : MW80-0612
Matrix : Water
Collected : 6/21/2012 12:38:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**4.0**	**ug/L**		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.2	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.2	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.2	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	**9H-Carbazole**	**21**	**ug/L**		6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	**Dibenzofuran**	**28**	**ug/L**		6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	**Naphthalene, 1-methyl-**	**40**	**ug/L**		6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	76	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	80	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	83	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	57	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	80	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	81	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	81	%Rec		6/29/12	1
1719068	Anthracene-D10	82	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	92	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	72	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	78	%Rec		6/29/12	1
1718521	D10-Pyrene	98	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	77	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	76	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	85	%Rec		6/29/12	1
4165622	Phenol-d5	79	%Rec		6/29/12	1

Sample : 12254309

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**1.5**	**ug/L**		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	UJ	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	UJ	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	UJ	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	**9H-Carbazole**	**8.7**	**ug/L**		6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	UJ	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	UJ	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	**Dibenzofuran**	**21**	**ug/L**		6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	UJ	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	UJ	6/27/12	1
90120	**Naphthalene, 1-methyl-**	**14 ug/L**	J	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	UJ	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	UJ	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	UJ	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	34 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	41 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	87 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	69 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	52 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	80 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	71 %Rec		6/27/12	1
1719068	Anthracene-D10	90 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	100 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	29 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	79 %Rec		6/27/12	1
1718521	D10-Pyrene	98 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	55 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	85 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	38 %Rec		6/27/12	1
4165622	Phenol-d5	39 %Rec		6/27/12	1

Sample : 12254310

Description : MW50-0612
Matrix : Water
Collected : 6/19/2012 11:35:11AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**2.1**	**ug/L**		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	**9H-Carbazole**	**7.4**	**ug/L**		6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	**Dibenzofuran**	**25**	**ug/L**		6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	**Naphthalene, 1-methyl-**	**22 ug/L**		6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	91 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	94 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	80 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	74 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	91 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	80 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	85 %Rec		6/27/12	1
1719068	Anthracene-D10	89 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	88 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	84 %Rec		6/27/12	1
1718521	D10-Pyrene	95 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	89 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	86 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	105 %Rec		6/27/12	1
4165622	Phenol-d5	92 %Rec		6/27/12	1

Sample : 12254311

Description : CW05-0612
Matrix : Water
Collected : 6/19/2012 10:25:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**21**	**ug/L**		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	**9H-Carbazole**	**53**	**ug/L**		6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	**Benzaldehyde**	**2.0**	**ug/L**		6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	**Dibenzofuran**	**55**	**ug/L**		6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	**Naphthalene, 1-methyl-**	**92 ug/L**		7/3/12	2
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	88 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	91 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	76 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	95 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	90 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	79 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	78 %Rec		6/27/12	1
1719068	Anthracene-D10	89 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	85 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	82 %Rec		6/27/12	1
1718521	D10-Pyrene	97 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	88 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	87 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	107 %Rec		6/27/12	1
4165622	Phenol-d5	89 %Rec		6/27/12	1

Sample : 12254312

Description : P4L-0612
Matrix : Water
Collected : 6/19/2012 10:30:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	91 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	94 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	75 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	67 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	91 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	71 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	90 %Rec		6/27/12	1
1719068	Anthracene-D10	91 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	99 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	88 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	84 %Rec		6/27/12	1
1718521	D10-Pyrene	98 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	88 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	85 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	95 %Rec		6/27/12	1
4165622	Phenol-d5	90 %Rec		6/27/12	1

Sample : 12254313

Description : VG3L-0612+LD
Matrix : Water
Collected : 6/19/2012 12:35:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	85 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	87 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	69 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	71 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	83 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	69 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	84 %Rec		6/27/12	1
1719068	Anthracene-D10	85 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	97 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	80 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	78 %Rec		6/27/12	1
1718521	D10-Pyrene	97 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	82 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	77 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	88 %Rec		6/27/12	1
4165622	Phenol-d5	83 %Rec		6/27/12	1

Sample : 12254314

Description : 99CDMW02-0612
Matrix : Water
Collected : 6/19/2012 11:55:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	90 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	92 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	79 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	73 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	89 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	77 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	90 %Rec		6/27/12	1
1719068	Anthracene-D10	88 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	99 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	85 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	84 %Rec		6/27/12	1
1718521	D10-Pyrene	96 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	86 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	84 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	92 %Rec		6/27/12	1
4165622	Phenol-d5	90 %Rec		6/27/12	1

Sample : 12254315

Description : P3L-0612
Matrix : Water
Collected : 6/20/2012 10:07:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	**9H-Carbazole**	**2.4**	**ug/L**		6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	**Dibenzofuran**	**1.1**	**ug/L**		6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.3	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	**Naphthalene, 1-methyl-**	**4.4**	**ug/L**		6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	78	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	83	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	83	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	64	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	79	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	77	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	83	%Rec		6/29/12	1
1719068	Anthracene-D10	87	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	98	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	75	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	80	%Rec		6/29/12	1
1718521	D10-Pyrene	100	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	78	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	75	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	85	%Rec		6/29/12	1
4165622	Phenol-d5	79	%Rec		6/29/12	1

Sample : 12254316

Description : MW70-0612
Matrix : Water
Collected : 6/20/2012 10:40:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.2	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.2	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.2	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	**9H-Carbazole**	**2.3**	**ug/L**		6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	**Dibenzofuran**	**1.1**	**ug/L**		6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	**Naphthalene, 1-methyl-**	**4.3**	**ug/L**		6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	74	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	77	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	80	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	60	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	74	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	77	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	82	%Rec		6/29/12	1
1719068	Anthracene-D10	87	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	99	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	71	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	78	%Rec		6/29/12	1
1718521	D10-Pyrene	100	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	75	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	74	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	80	%Rec		6/29/12	1
4165622	Phenol-d5	75	%Rec		6/29/12	1

Sample : 12254317

Description : 99CDMW04-0612
Matrix : Water
Collected : 6/20/2012 10:50:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1 ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1 ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1 ug/L	UJ	6/29/12	1
78591	Isophorone	1.1 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1 ug/L	U	6/29/12	1
108952	Phenol	1.1 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1 ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	83 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	86 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	77 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	60 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	80 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	75 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	86 %Rec		6/29/12	1
1719068	Anthracene-D10	86 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	79 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	79 %Rec		6/29/12	1
1718521	D10-Pyrene	96 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	79 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	75 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	87 %Rec		6/29/12	1
4165622	Phenol-d5	83 %Rec		6/29/12	1

Sample : 12254318

Description : CW12-0612
Matrix : Water
Collected : 6/20/2012 12:05:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.2	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.2	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.2	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1	ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	82	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	86	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	78	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	62	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	81	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	75	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	86	%Rec		6/29/12	1
1719068	Anthracene-D10	90	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	99	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	78	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	81	%Rec		6/29/12	1
1718521	D10-Pyrene	97	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	81	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	81	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	86	%Rec		6/29/12	1
4165622	Phenol-d5	80	%Rec		6/29/12	1

Sample : 12254319

Description : VG5L-0612+LD
Matrix : Water
Collected : 6/20/2012 12:15:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/29/12	1
1912249	Atrazine	1.0	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/29/12	1
58082	Caffeine	1.0	ug/L	U	6/29/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/29/12	1
78591	Isophorone	1.0 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/29/12	1
108952	Phenol	1.0 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	83 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	85 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	76 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	58 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	81 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	73 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	88 %Rec		6/29/12	1
1719068	Anthracene-D10	88 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	80 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	80 %Rec		6/29/12	1
1718521	D10-Pyrene	98 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	80 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	76 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	90 %Rec		6/29/12	1
4165622	Phenol-d5	81 %Rec		6/29/12	1

Sample : 12254320

Description : P5L-0612
Matrix : Water
Collected : 6/19/2012 3:20:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	UJ	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	UJ	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	1.0	ug/L	U	6/27/12	1
85687	Butylbenzylphthalate	1.0	ug/L	U	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	UJ	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	Di-n-Butylphthalate	1.0	ug/L	U	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.0 ug/L	UJ	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0 ug/L	UJ	6/27/12	1
67721	Hexachloroethane	1.0 ug/L	UJ	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	87 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	91 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	76 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	71 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	87 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	76 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	84 %Rec		6/27/12	1
1719068	Anthracene-D10	88 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	97 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	81 %Rec		6/27/12	1
1718521	D10-Pyrene	94 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	83 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	86 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	89 %Rec		6/27/12	1
4165622	Phenol-d5	87 %Rec		6/27/12	1

Sample : 12254321

Description : VG4L-0612
Matrix : Water
Collected : 6/19/2012 2:30:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1	ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	80	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	83	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	72	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	62	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	79	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	74	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	85	%Rec		6/29/12	1
1719068	Anthracene-D10	86	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	94	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	78	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	78	%Rec		6/29/12	1
1718521	D10-Pyrene	95	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	81	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	77	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	89	%Rec		6/29/12	1
4165622	Phenol-d5	79	%Rec		6/29/12	1

Sample : 12254322

Description : P6L-0612
Matrix : Water
Collected : 6/20/2012 2:35:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1 ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1 ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1 ug/L	UJ	6/29/12	1
78591	Isophorone	1.1 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1 ug/L	U	6/29/12	1
108952	Phenol	1.1 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1 ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	81 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	84 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	73 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	59 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	79 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	75 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	83 %Rec		6/29/12	1
1719068	Anthracene-D10	88 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	97 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	78 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	78 %Rec		6/29/12	1
1718521	D10-Pyrene	97 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	81 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	75 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	86 %Rec		6/29/12	1
4165622	Phenol-d5	80 %Rec		6/29/12	1

Sample : 12254323

Description : MW21-0612
Matrix : Water
Collected : 6/21/2012 10:15:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1 ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1 ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1 ug/L	UJ	6/29/12	1
78591	Isophorone	1.1 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1 ug/L	U	6/29/12	1
108952	Phenol	1.1 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1 ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	67 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	69 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	62 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	41 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	65 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	65 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	67 %Rec		6/29/12	1
1719068	Anthracene-D10	75 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	84 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	63 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	65 %Rec		6/29/12	1
1718521	D10-Pyrene	87 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	65 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	64 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	70 %Rec		6/29/12	1
4165622	Phenol-d5	67 %Rec		6/29/12	1

Sample : 12254324

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1 ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1 ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1 ug/L	UJ	6/29/12	1
78591	Isophorone	1.1 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1 ug/L	U	6/29/12	1
108952	Phenol	1.1 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1 ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	70 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	71 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	69 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	44 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	70 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	69 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	73 %Rec		6/29/12	1
1719068	Anthracene-D10	80 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	90 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	67 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	70 %Rec		6/29/12	1
1718521	D10-Pyrene	91 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	68 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	69 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	73 %Rec		6/29/12	1
4165622	Phenol-d5	69 %Rec		6/29/12	1

Sample : 12254325

Description : PZ09-0612
Matrix : Water
Collected : 6/21/2012 1:29:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	1.1	ug/L	U	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.1	ug/L	U	6/29/12	1
1912249	**Atrazine**	**0.62**	**ug/L**	J	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.1	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	Dibenzofuran	1.1	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.1	ug/L	U	6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	74	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	78	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	66	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	35	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	71	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	66	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	77	%Rec		6/29/12	1
1719068	Anthracene-D10	77	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	86	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	71	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	71	%Rec		6/29/12	1
1718521	D10-Pyrene	87	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	71	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	69	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	79	%Rec		6/29/12	1
4165622	Phenol-d5	71	%Rec		6/29/12	1

Sample : 12254326

Description : PZ11-0612
Matrix : Water
Collected : 6/20/2012 2:55:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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**	**5.8**	**ug/L**		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.1	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.1	ug/L	UJ	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.1	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.1	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.1	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.1	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.1	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.1	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.1	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.1	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.1	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.1	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.1	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.1	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.1	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.1	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.1	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.1	ug/L	UJ	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.1	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.1	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.1	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.1	ug/L	U	6/29/12	1
86748	**9H-Carbazole**	**15**	**ug/L**		6/29/12	1
1912249	Atrazine	1.1	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.1	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.1	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.1	ug/L	U	6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	1.6	ug/L	U	6/29/12	1
85687	Butylbenzylphthalate	1.1	ug/L	U	6/29/12	1
58082	Caffeine	1.1	ug/L	U	6/29/12	1
105602	Caprolactam	1.1	ug/L	UJ	6/29/12	1
132649	**Dibenzofuran**	**15**	**ug/L**		6/29/12	1
84662	Diethyl phthalate	1.1	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.1	ug/L	U	6/29/12	1
84742	Di-n-Butylphthalate	1.1	ug/L	U	6/29/12	1
117840	Di-n-octylphthalate	1.1	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.1	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.1	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

87683	Hexachlorobutadiene	1.1	ug/L	UJ	6/29/12	1
77474	Hexachlorocyclopentadiene	1.1	ug/L	UJ	6/29/12	1
67721	Hexachloroethane	1.1	ug/L	UJ	6/29/12	1
78591	Isophorone	1.1	ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.1	ug/L	U	6/29/12	1
90120	**Naphthalene, 1-methyl-**	**15**	**ug/L**		6/29/12	1
98953	Nitrobenzene	1.1	ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.1	ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.1	ug/L	U	6/29/12	1
108952	Phenol	1.1	ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.1	ug/L	U	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	79	%Rec		6/29/12	1
93951781	2-Nitrophenol-D4	83	%Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	70	%Rec		6/29/12	1
191656334	4-Chloroaniline-D4	39	%Rec		6/29/12	1
190780666	4-Methylphenol-D8	78	%Rec		6/29/12	1
93951792	4-Nitrophenol-D4	73	%Rec		6/29/12	1
93951974	Acenaphthylene-D8	82	%Rec		6/29/12	1
1719068	Anthracene-D10	81	%Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	89	%Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	76	%Rec		6/29/12	1
81103799	D10-Fluorene (SS)	75	%Rec		6/29/12	1
1718521	D10-Pyrene	90	%Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	77	%Rec		6/29/12	1
93951894	Dimethylphthalate-D6	73	%Rec		6/29/12	1
4165600	Nitrobenzene-d5	87	%Rec		6/29/12	1
4165622	Phenol-d5	79	%Rec		6/29/12	1

Sample : 12254309 Matrix Spike

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	93	%Rec		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	77	%Rec		6/27/12	1
120821	1,2,4-Trichlorobenzene	64	%Rec		6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	88	%Rec		6/27/12	1
95954	2,4,5-Trichlorophenol	81	%Rec		6/27/12	1
88062	2,4,6-Trichlorophenol	99	%Rec		6/27/12	1
120832	2,4-Dichlorophenol	92	%Rec		6/27/12	1
105679	2,4-Dimethylphenol	95	%Rec		6/27/12	1
51285	2,4-Dinitrophenol	87	%Rec		6/27/12	1
121142	2,4-Dinitrotoluene	88	%Rec		6/27/12	1
606202	2,6-Dinitrotoluene	90	%Rec		6/27/12	1
91587	2-Chloronaphthalene	84	%Rec		6/27/12	1
95578	2-Chlorophenol	93	%Rec		6/27/12	1
88744	2-Nitroaniline	92	%Rec		6/27/12	1
88755	2-Nitrophenol	95	%Rec		6/27/12	1
91941	3,3'-Dichlorobenzidine	55	%Rec		6/27/12	1
99092	3-Nitroaniline	62	%Rec		6/27/12	1
534521	4,6-Dinitro-2-methylphenol	96	%Rec		6/27/12	1
101553	4-Bromophenyl-Phenylether	90	%Rec		6/27/12	1
59507	4-Chloro-3-methylphenol	88	%Rec		6/27/12	1
106478	4-Chloroaniline	42	%Rec		6/27/12	1
7005723	4-Chlorophenyl-Phenylether	84	%Rec		6/27/12	1
106445	4-Methylphenol	91	%Rec		6/27/12	1
100016	4-Nitroaniline	93	%Rec		6/27/12	1
100027	4-Nitrophenol	74	%Rec		6/27/12	1
86748	9H-Carbazole	100	%Rec		6/27/12	1
1912249	Atrazine	97	%Rec		6/27/12	1
100527	Benzaldehyde	114	%Rec		6/27/12	1
111444	bis(2-Chloroethyl)ether	87	%Rec		6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	85	%Rec		6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	100	%Rec		6/27/12	1
85687	Butylbenzylphthalate	100	%Rec		6/27/12	1
58082	Caffeine	74	%Rec		6/27/12	1
105602	Caprolactam	11	%Rec		6/27/12	1
132649	Dibenzofuran	115	%Rec		6/27/12	1
84662	Diethyl phthalate	90	%Rec		6/27/12	1
131113	Dimethylphthalate	88	%Rec		6/27/12	1
84742	Di-n-Butylphthalate	102	%Rec		6/27/12	1
117840	Di-n-octylphthalate	95	%Rec		6/27/12	1
98862	Ethanone, 1-phenyl-	91	%Rec		6/27/12	1
118741	Hexachlorobenzene	89	%Rec		6/27/12	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	45	%Rec	6/27/12	1
77474	Hexachlorocyclopentadiene	20	%Rec	6/27/12	1
67721	Hexachloroethane	44	%Rec	6/27/12	1
78591	Isophorone	90	%Rec	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	90	%Rec	6/27/12	1
90120	Naphthalene, 1-methyl-	136	%Rec	6/27/12	1
98953	Nitrobenzene	95	%Rec	6/27/12	1
621647	N-Nitrosodinpropylamine	88	%Rec	6/27/12	1
86306	n-Nitrosodiphenylamine	99	%Rec	6/27/12	1
108952	Phenol	90	%Rec	6/27/12	1
95487	Phenol, 2-methyl-	92	%Rec	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	94	%Rec	6/27/12	1
93951781	2-Nitrophenol-D4	99	%Rec	6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	93	%Rec	6/27/12	1
191656334	4-Chloroaniline-D4	79	%Rec	6/27/12	1
190780666	4-Methylphenol-D8	96	%Rec	6/27/12	1
93951792	4-Nitrophenol-D4	82	%Rec	6/27/12	1
93951974	Acenaphthylene-D8	95	%Rec	6/27/12	1
1719068	Anthracene-D10	93	%Rec	6/27/12	1
63466717	Benzo[a]pyrene-D12	102	%Rec	6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	91	%Rec	6/27/12	1
81103799	D10-Fluorene (SS)	91	%Rec	6/27/12	1
1718521	D10-Pyrene	101	%Rec	6/27/12	1
93951747	d3-2,4-Dichlorophenol	95	%Rec	6/27/12	1
93951894	Dimethylphthalate-D6	87	%Rec	6/27/12	1
4165600	Nitrobenzene-d5	108	%Rec	6/27/12	1
4165622	Phenol-d5	96	%Rec	6/27/12	1

Sample : 12254324 Matrix Spike

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	71	%Rec		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	65	%Rec		6/29/12	1
120821	1,2,4-Trichlorobenzene	58	%Rec		6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	75	%Rec		6/29/12	1
95954	2,4,5-Trichlorophenol	71	%Rec		6/29/12	1
88062	2,4,6-Trichlorophenol	83	%Rec		6/29/12	1
120832	2,4-Dichlorophenol	76	%Rec		6/29/12	1
105679	2,4-Dimethylphenol	77	%Rec		6/29/12	1
51285	2,4-Dinitrophenol	80	%Rec		6/29/12	1
121142	2,4-Dinitrotoluene	75	%Rec		6/29/12	1
606202	2,6-Dinitrotoluene	76	%Rec		6/29/12	1
91587	2-Chloronaphthalene	71	%Rec		6/29/12	1
95578	2-Chlorophenol	75	%Rec		6/29/12	1
88744	2-Nitroaniline	78	%Rec		6/29/12	1
88755	2-Nitrophenol	79	%Rec		6/29/12	1
91941	3,3'-Dichlorobenzidine	68	%Rec		6/29/12	1
99092	3-Nitroaniline	66	%Rec		6/29/12	1
534521	4,6-Dinitro-2-methylphenol	82	%Rec		6/29/12	1
101553	4-Bromophenyl-Phenylether	77	%Rec		6/29/12	1
59507	4-Chloro-3-methylphenol	73	%Rec		6/29/12	1
106478	4-Chloroaniline	41	%Rec		6/29/12	1
7005723	4-Chlorophenyl-Phenylether	71	%Rec		6/29/12	1
106445	4-Methylphenol	72	%Rec		6/29/12	1
100016	4-Nitroaniline	84	%Rec		6/29/12	1
100027	4-Nitrophenol	67	%Rec		6/29/12	1
86748	9H-Carbazole	80	%Rec		6/29/12	1
1912249	Atrazine	86	%Rec		6/29/12	1
100527	Benzaldehyde	94	%Rec		6/29/12	1
111444	bis(2-Chloroethyl)ether	71	%Rec		6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	71	%Rec		6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	83	%Rec		6/29/12	1
85687	Butylbenzylphthalate	86	%Rec		6/29/12	1
58082	Caffeine	67	%Rec		6/29/12	1
105602	Caprolactam	11	%Rec		6/29/12	1
132649	Dibenzofuran	72	%Rec		6/29/12	1
84662	Diethyl phthalate	77	%Rec		6/29/12	1
131113	Dimethylphthalate	75	%Rec		6/29/12	1
84742	Di-n-Butylphthalate	87	%Rec		6/29/12	1
117840	Di-n-octylphthalate	78	%Rec		6/29/12	1
98862	Ethanone, 1-phenyl-	72	%Rec		6/29/12	1
118741	Hexachlorobenzene	76	%Rec		6/29/12	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	39	%Rec	6/29/12	1
77474	Hexachlorocyclopentadiene	49	%Rec	6/29/12	1
67721	Hexachloroethane	35	%Rec	6/29/12	1
78591	Isophorone	74	%Rec	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	74	%Rec	6/29/12	1
90120	Naphthalene, 1-methyl-	67	%Rec	6/29/12	1
98953	Nitrobenzene	76	%Rec	6/29/12	1
621647	N-Nitrosodinpropylamine	70	%Rec	6/29/12	1
86306	n-Nitrosodiphenylamine	80	%Rec	6/29/12	1
108952	Phenol	71	%Rec	6/29/12	1
95487	Phenol, 2-methyl-	75	%Rec	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	77	%Rec	6/29/12	1
93951781	2-Nitrophenol-D4	80	%Rec	6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	80	%Rec	6/29/12	1
191656334	4-Chloroaniline-D4	42	%Rec	6/29/12	1
190780666	4-Methylphenol-D8	77	%Rec	6/29/12	1
93951792	4-Nitrophenol-D4	74	%Rec	6/29/12	1
93951974	Acenaphthylene-D8	77	%Rec	6/29/12	1
1719068	Anthracene-D10	79	%Rec	6/29/12	1
63466717	Benzo[a]pyrene-D12	88	%Rec	6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	75	%Rec	6/29/12	1
81103799	D10-Fluorene (SS)	73	%Rec	6/29/12	1
1718521	D10-Pyrene	88	%Rec	6/29/12	1
93951747	d3-2,4-Dichlorophenol	80	%Rec	6/29/12	1
93951894	Dimethylphthalate-D6	74	%Rec	6/29/12	1
4165600	Nitrobenzene-d5	82	%Rec	6/29/12	1
4165622	Phenol-d5	77	%Rec	6/29/12	1

Sample : 12254309 Matrix Spike#2

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	91	%Rec		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	79	%Rec		6/27/12	1
120821	1,2,4-Trichlorobenzene	70	%Rec		6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	89	%Rec		6/27/12	1
95954	2,4,5-Trichlorophenol	81	%Rec		6/27/12	1
88062	2,4,6-Trichlorophenol	96	%Rec		6/27/12	1
120832	2,4-Dichlorophenol	92	%Rec		6/27/12	1
105679	2,4-Dimethylphenol	93	%Rec		6/27/12	1
51285	2,4-Dinitrophenol	91	%Rec		6/27/12	1
121142	2,4-Dinitrotoluene	89	%Rec		6/27/12	1
606202	2,6-Dinitrotoluene	91	%Rec		6/27/12	1
91587	2-Chloronaphthalene	85	%Rec		6/27/12	1
95578	2-Chlorophenol	90	%Rec		6/27/12	1
88744	2-Nitroaniline	92	%Rec		6/27/12	1
88755	2-Nitrophenol	93	%Rec		6/27/12	1
91941	3,3'-Dichlorobenzidine	49	%Rec		6/27/12	1
99092	3-Nitroaniline	64	%Rec		6/27/12	1
534521	4,6-Dinitro-2-methylphenol	96	%Rec		6/27/12	1
101553	4-Bromophenyl-Phenylether	89	%Rec		6/27/12	1
59507	4-Chloro-3-methylphenol	88	%Rec		6/27/12	1
106478	4-Chloroaniline	44	%Rec		6/27/12	1
7005723	4-Chlorophenyl-Phenylether	86	%Rec		6/27/12	1
106445	4-Methylphenol	87	%Rec		6/27/12	1
100016	4-Nitroaniline	93	%Rec		6/27/12	1
100027	4-Nitrophenol	77	%Rec		6/27/12	1
86748	9H-Carbazole	98	%Rec		6/27/12	1
1912249	Atrazine	99	%Rec		6/27/12	1
100527	Benzaldehyde	112	%Rec		6/27/12	1
111444	bis(2-Chloroethyl)ether	84	%Rec		6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	83	%Rec		6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	98	%Rec		6/27/12	1
85687	Butylbenzylphthalate	97	%Rec		6/27/12	1
58082	Caffeine	77	%Rec		6/27/12	1
105602	Caprolactam	12	%Rec		6/27/12	1
132649	Dibenzofuran	116	%Rec		6/27/12	1
84662	Diethyl phthalate	91	%Rec		6/27/12	1
131113	Dimethylphthalate	88	%Rec		6/27/12	1
84742	Di-n-Butylphthalate	102	%Rec		6/27/12	1
117840	Di-n-octylphthalate	93	%Rec		6/27/12	1
98862	Ethanone, 1-phenyl-	88	%Rec		6/27/12	1
118741	Hexachlorobenzene	87	%Rec		6/27/12	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	57	%Rec	6/27/12	1
77474	Hexachlorocyclopentadiene	29	%Rec	6/27/12	1
67721	Hexachloroethane	44	%Rec	6/27/12	1
78591	Isophorone	89	%Rec	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	89	%Rec	6/27/12	1
90120	Naphthalene, 1-methyl-	133	%Rec	6/27/12	1
98953	Nitrobenzene	93	%Rec	6/27/12	1
621647	N-Nitrosodinpropylamine	84	%Rec	6/27/12	1
86306	n-Nitrosodiphenylamine	96	%Rec	6/27/12	1
108952	Phenol	87	%Rec	6/27/12	1
95487	Phenol, 2-methyl-	89	%Rec	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	94	%Rec	6/27/12	1
93951781	2-Nitrophenol-D4	98	%Rec	6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	93	%Rec	6/27/12	1
191656334	4-Chloroaniline-D4	84	%Rec	6/27/12	1
190780666	4-Methylphenol-D8	96	%Rec	6/27/12	1
93951792	4-Nitrophenol-D4	86	%Rec	6/27/12	1
93951974	Acenaphthylene-D8	84	%Rec	6/27/12	1
1719068	Anthracene-D10	91	%Rec	6/27/12	1
63466717	Benzo[a]pyrene-D12	100	%Rec	6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	89	%Rec	6/27/12	1
81103799	D10-Fluorene (SS)	89	%Rec	6/27/12	1
1718521	D10-Pyrene	97	%Rec	6/27/12	1
93951747	d3-2,4-Dichlorophenol	95	%Rec	6/27/12	1
93951894	Dimethylphthalate-D6	89	%Rec	6/27/12	1
4165600	Nitrobenzene-d5	107	%Rec	6/27/12	1
4165622	Phenol-d5	94	%Rec	6/27/12	1

Sample : 12254324 Matrix Spike#2

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
Weight Basis : N/A

Parameter : BNA
Prep Method: 3535A - 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	72	%Rec		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	66	%Rec		6/29/12	1
120821	1,2,4-Trichlorobenzene	62	%Rec		6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	74	%Rec		6/29/12	1
95954	2,4,5-Trichlorophenol	70	%Rec		6/29/12	1
88062	2,4,6-Trichlorophenol	84	%Rec		6/29/12	1
120832	2,4-Dichlorophenol	76	%Rec		6/29/12	1
105679	2,4-Dimethylphenol	78	%Rec		6/29/12	1
51285	2,4-Dinitrophenol	79	%Rec		6/29/12	1
121142	2,4-Dinitrotoluene	76	%Rec		6/29/12	1
606202	2,6-Dinitrotoluene	79	%Rec		6/29/12	1
91587	2-Chloronaphthalene	73	%Rec		6/29/12	1
95578	2-Chlorophenol	75	%Rec		6/29/12	1
88744	2-Nitroaniline	79	%Rec		6/29/12	1
88755	2-Nitrophenol	79	%Rec		6/29/12	1
91941	3,3'-Dichlorobenzidine	67	%Rec		6/29/12	1
99092	3-Nitroaniline	66	%Rec		6/29/12	1
534521	4,6-Dinitro-2-methylphenol	83	%Rec		6/29/12	1
101553	4-Bromophenyl-Phenylether	76	%Rec		6/29/12	1
59507	4-Chloro-3-methylphenol	73	%Rec		6/29/12	1
106478	4-Chloroaniline	39	%Rec		6/29/12	1
7005723	4-Chlorophenyl-Phenylether	69	%Rec		6/29/12	1
106445	4-Methylphenol	72	%Rec		6/29/12	1
100016	4-Nitroaniline	84	%Rec		6/29/12	1
100027	4-Nitrophenol	69	%Rec		6/29/12	1
86748	9H-Carbazole	79	%Rec		6/29/12	1
1912249	Atrazine	87	%Rec		6/29/12	1
100527	Benzaldehyde	96	%Rec		6/29/12	1
111444	bis(2-Chloroethyl)ether	72	%Rec		6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	72	%Rec		6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	80	%Rec		6/29/12	1
85687	Butylbenzylphthalate	84	%Rec		6/29/12	1
58082	Caffeine	67	%Rec		6/29/12	1
105602	Caprolactam	11	%Rec		6/29/12	1
132649	Dibenzofuran	71	%Rec		6/29/12	1
84662	Diethyl phthalate	79	%Rec		6/29/12	1
131113	Dimethylphthalate	77	%Rec		6/29/12	1
84742	Di-n-Butylphthalate	86	%Rec		6/29/12	1
117840	Di-n-octylphthalate	76	%Rec		6/29/12	1
98862	Ethanone, 1-phenyl-	72	%Rec		6/29/12	1
118741	Hexachlorobenzene	73	%Rec		6/29/12	1

Spiked Compounds (cont.):

87683	Hexachlorobutadiene	45	%Rec	6/29/12	1
77474	Hexachlorocyclopentadiene	52	%Rec	6/29/12	1
67721	Hexachloroethane	39	%Rec	6/29/12	1
78591	Isophorone	76	%Rec	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	75	%Rec	6/29/12	1
90120	Naphthalene, 1-methyl-	69	%Rec	6/29/12	1
98953	Nitrobenzene	76	%Rec	6/29/12	1
621647	N-Nitrosodinpropylamine	73	%Rec	6/29/12	1
86306	n-Nitrosodiphenylamine	82	%Rec	6/29/12	1
108952	Phenol	73	%Rec	6/29/12	1
95487	Phenol, 2-methyl-	76	%Rec	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	77	%Rec	6/29/12	1
93951781	2-Nitrophenol-D4	83	%Rec	6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	80	%Rec	6/29/12	1
191656334	4-Chloroaniline-D4	40	%Rec	6/29/12	1
190780666	4-Methylphenol-D8	76	%Rec	6/29/12	1
93951792	4-Nitrophenol-D4	74	%Rec	6/29/12	1
93951974	Acenaphthylene-D8	79	%Rec	6/29/12	1
1719068	Anthracene-D10	76	%Rec	6/29/12	1
63466717	Benzo[a]pyrene-D12	84	%Rec	6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	74	%Rec	6/29/12	1
81103799	D10-Fluorene (SS)	73	%Rec	6/29/12	1
1718521	D10-Pyrene	85	%Rec	6/29/12	1
93951747	d3-2,4-Dichlorophenol	79	%Rec	6/29/12	1
93951894	Dimethylphthalate-D6	74	%Rec	6/29/12	1
4165600	Nitrobenzene-d5	84	%Rec	6/29/12	1
4165622	Phenol-d5	78	%Rec	6/29/12	1

Sample : 74W062112B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.0	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.0	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	U	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.0	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	**Bis(2-ethylhexyl) phthalate**	**0.72**	**ug/L**	J	6/27/12	1
85687	**Butylbenzylphthalate**	**0.59**	**ug/L**	J	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	U	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	**Diethyl phthalate**	**0.17**	**ug/L**	J	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	**Di-n-Butylphthalate**	**0.92**	**ug/L**	J	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1
87683	Hexachlorobutadiene	1.0	ug/L	U	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1
Surrogate Compounds:					
93951736	2-chlorophenol-d4	93 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	92 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	67 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	75 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	92 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	75 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	94 %Rec		6/27/12	1
1719068	Anthracene-D10	92 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	97 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	88 %Rec		6/27/12	1
1718521	D10-Pyrene	100 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	90 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	88 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	96 %Rec		6/27/12	1
4165622	Phenol-d5	93 %Rec		6/27/12	1

Sample : 74W062212B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/27/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/27/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/27/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/27/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/27/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/27/12	1
51285	2,4-Dinitrophenol	2.0	ug/L	U	6/27/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/27/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/27/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/27/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/27/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/27/12	1
91941	3,3'-Dichlorobenzidine	2.0	ug/L	U	6/27/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/27/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/27/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/27/12	1
106478	4-Chloroaniline	1.0	ug/L	U	6/27/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/27/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/27/12	1
100016	4-Nitroaniline	2.0	ug/L	U	6/27/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/27/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/27/12	1
1912249	Atrazine	1.0	ug/L	U	6/27/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/27/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/27/12	1
117817	**Bis(2-ethylhexyl) phthalate**	**0.81**	**ug/L**	J	6/27/12	1
85687	**Butylbenzylphthalate**	**0.59**	**ug/L**	J	6/27/12	1
58082	Caffeine	1.0	ug/L	U	6/27/12	1
105602	Caprolactam	1.0	ug/L	U	6/27/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/27/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/27/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/27/12	1
84742	**Di-n-Butylphthalate**	**0.61**	**ug/L**	J	6/27/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/27/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/27/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/27/12	1
87683	Hexachlorobutadiene	1.0	ug/L	U	6/27/12	1
77474	Hexachlorocyclopentadiene	1.0	ug/L	U	6/27/12	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	6/27/12	1
78591	Isophorone	1.0 ug/L	U	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/27/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/27/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/27/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/27/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/27/12	1
108952	Phenol	1.0 ug/L	U	6/27/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/27/12	1
Surrogate Compounds:					
93951736	2-chlorophenol-d4	93 %Rec		6/27/12	1
93951781	2-Nitrophenol-D4	94 %Rec		6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	70 %Rec		6/27/12	1
191656334	4-Chloroaniline-D4	74 %Rec		6/27/12	1
190780666	4-Methylphenol-D8	92 %Rec		6/27/12	1
93951792	4-Nitrophenol-D4	71 %Rec		6/27/12	1
93951974	Acenaphthylene-D8	94 %Rec		6/27/12	1
1719068	Anthracene-D10	91 %Rec		6/27/12	1
63466717	Benzo[a]pyrene-D12	100 %Rec		6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	89 %Rec		6/27/12	1
81103799	D10-Fluorene (SS)	86 %Rec		6/27/12	1
1718521	D10-Pyrene	99 %Rec		6/27/12	1
93951747	d3-2,4-Dichlorophenol	91 %Rec		6/27/12	1
93951894	Dimethylphthalate-D6	86 %Rec		6/27/12	1
4165600	Nitrobenzene-d5	98 %Rec		6/27/12	1
4165622	Phenol-d5	93 %Rec		6/27/12	1

Sample : 74W062512B1 Blank

Description : Blank

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	1.0	ug/L	U	6/29/12	1
120821	1,2,4-Trichlorobenzene	1.0	ug/L	U	6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	1.0	ug/L	U	6/29/12	1
95954	2,4,5-Trichlorophenol	1.0	ug/L	U	6/29/12	1
88062	2,4,6-Trichlorophenol	1.0	ug/L	U	6/29/12	1
120832	2,4-Dichlorophenol	1.0	ug/L	U	6/29/12	1
105679	2,4-Dimethylphenol	1.0	ug/L	U	6/29/12	1
51285	2,4-Dinitrophenol	2.0	ug/L	U	6/29/12	1
121142	2,4-Dinitrotoluene	1.0	ug/L	U	6/29/12	1
606202	2,6-Dinitrotoluene	1.0	ug/L	U	6/29/12	1
91587	2-Chloronaphthalene	1.0	ug/L	U	6/29/12	1
95578	2-Chlorophenol	1.0	ug/L	U	6/29/12	1
88744	2-Nitroaniline	1.0	ug/L	U	6/29/12	1
88755	2-Nitrophenol	1.0	ug/L	U	6/29/12	1
91941	3,3'-Dichlorobenzidine	2.0	ug/L	U	6/29/12	1
99092	3-Nitroaniline	1.0	ug/L	U	6/29/12	1
534521	4,6-Dinitro-2-methylphenol	1.0	ug/L	U	6/29/12	1
101553	4-Bromophenyl-Phenylether	1.0	ug/L	U	6/29/12	1
59507	4-Chloro-3-methylphenol	1.0	ug/L	U	6/29/12	1
106478	4-Chloroaniline	1.0	ug/L	U	6/29/12	1
7005723	4-Chlorophenyl-Phenylether	1.0	ug/L	U	6/29/12	1
106445	4-Methylphenol	1.0	ug/L	U	6/29/12	1
100016	4-Nitroaniline	2.0	ug/L	U	6/29/12	1
100027	4-Nitrophenol	1.0	ug/L	U	6/29/12	1
86748	9H-Carbazole	1.0	ug/L	U	6/29/12	1
1912249	Atrazine	1.0	ug/L	U	6/29/12	1
100527	Benzaldehyde	1.0	ug/L	U	6/29/12	1
111444	bis(2-Chloroethyl)ether	1.0	ug/L	U	6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	1.0	ug/L	U	6/29/12	1
117817	**Bis(2-ethylhexyl) phthalate**	**0.74**	**ug/L**	J	6/29/12	1
85687	**Butylbenzylphthalate**	**0.71**	**ug/L**	J	6/29/12	1
58082	Caffeine	1.0	ug/L	U	6/29/12	1
105602	Caprolactam	1.0	ug/L	U	6/29/12	1
132649	Dibenzofuran	1.0	ug/L	U	6/29/12	1
84662	Diethyl phthalate	1.0	ug/L	U	6/29/12	1
131113	Dimethylphthalate	1.0	ug/L	U	6/29/12	1
84742	**Di-n-Butylphthalate**	**0.77**	**ug/L**	J	6/29/12	1
117840	Di-n-octylphthalate	1.0	ug/L	U	6/29/12	1
98862	Ethanone, 1-phenyl-	1.0	ug/L	U	6/29/12	1
118741	Hexachlorobenzene	1.0	ug/L	U	6/29/12	1
87683	Hexachlorobutadiene	1.0	ug/L	U	6/29/12	1
77474	Hexachlorocyclopentadiene	1.0	ug/L	U	6/29/12	1

Target Analyte Results (cont.):

67721	Hexachloroethane	1.0 ug/L	U	6/29/12	1
78591	Isophorone	1.0 ug/L	U	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	1.0 ug/L	U	6/29/12	1
90120	Naphthalene, 1-methyl-	1.0 ug/L	U	6/29/12	1
98953	Nitrobenzene	1.0 ug/L	U	6/29/12	1
621647	N-Nitrosodinpropylamine	1.0 ug/L	U	6/29/12	1
86306	n-Nitrosodiphenylamine	1.0 ug/L	U	6/29/12	1
108952	Phenol	1.0 ug/L	U	6/29/12	1
95487	Phenol, 2-methyl-	1.0 ug/L	U	6/29/12	1
Surrogate Compounds:					
93951736	2-chlorophenol-d4	85 %Rec		6/29/12	1
93951781	2-Nitrophenol-D4	86 %Rec		6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	69 %Rec		6/29/12	1
191656334	4-Chloroaniline-D4	66 %Rec		6/29/12	1
190780666	4-Methylphenol-D8	82 %Rec		6/29/12	1
93951792	4-Nitrophenol-D4	74 %Rec		6/29/12	1
93951974	Acenaphthylene-D8	89 %Rec		6/29/12	1
1719068	Anthracene-D10	88 %Rec		6/29/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec		6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	83 %Rec		6/29/12	1
81103799	D10-Fluorene (SS)	81 %Rec		6/29/12	1
1718521	D10-Pyrene	101 %Rec		6/29/12	1
93951747	d3-2,4-Dichlorophenol	82 %Rec		6/29/12	1
93951894	Dimethylphthalate-D6	76 %Rec		6/29/12	1
4165600	Nitrobenzene-d5	90 %Rec		6/29/12	1
4165622	Phenol-d5	83 %Rec		6/29/12	1

Sample : 74W062112L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	73	%Rec		6/27/12	1
120821	1,2,4-Trichlorobenzene	59	%Rec		6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	88	%Rec		6/27/12	1
95954	2,4,5-Trichlorophenol	86	%Rec		6/27/12	1
88062	2,4,6-Trichlorophenol	97	%Rec		6/27/12	1
120832	2,4-Dichlorophenol	92	%Rec		6/27/12	1
105679	2,4-Dimethylphenol	92	%Rec		6/27/12	1
51285	2,4-Dinitrophenol	73	%Rec		6/27/12	1
121142	2,4-Dinitrotoluene	88	%Rec		6/27/12	1
606202	2,6-Dinitrotoluene	92	%Rec		6/27/12	1
91587	2-Chloronaphthalene	81	%Rec		6/27/12	1
95578	2-Chlorophenol	92	%Rec		6/27/12	1
88744	2-Nitroaniline	90	%Rec		6/27/12	1
88755	2-Nitrophenol	93	%Rec		6/27/12	1
91941	3,3'-Dichlorobenzidine	90	%Rec		6/27/12	1
99092	3-Nitroaniline	85	%Rec		6/27/12	1
534521	4,6-Dinitro-2-methylphenol	89	%Rec		6/27/12	1
101553	4-Bromophenyl-Phenylether	89	%Rec		6/27/12	1
59507	4-Chloro-3-methylphenol	90	%Rec		6/27/12	1
106478	4-Chloroaniline	64	%Rec		6/27/12	1
7005723	4-Chlorophenyl-Phenylether	84	%Rec		6/27/12	1
106445	4-Methylphenol	90	%Rec		6/27/12	1
100016	4-Nitroaniline	99	%Rec		6/27/12	1
100027	4-Nitrophenol	82	%Rec		6/27/12	1
86748	9H-Carbazole	93	%Rec		6/27/12	1
86737	9H-Fluorene	85	%Rec		6/27/12	1
83329	Acenaphthene	83	%Rec		6/27/12	1
208968	Acenaphthylene	87	%Rec		6/27/12	1
120127	Anthracene	87	%Rec		6/27/12	1
1912249	Atrazine	100	%Rec		6/27/12	1
100527	Benzaldehyde	111	%Rec		6/27/12	1
56553	Benzo(a)anthracene	90	%Rec		6/27/12	1
50328	Benzo(a)pyrene	91	%Rec		6/27/12	1
191242	Benzo(g,h,i)perylene	92	%Rec		6/27/12	1
205992	Benzo[b]Fluoranthene	94	%Rec		6/27/12	1
207089	Benzo[k]fluoranthene	90	%Rec		6/27/12	1
111444	bis(2-Chloroethyl)ether	87	%Rec		6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	86	%Rec		6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	96	%Rec		6/27/12	1
85687	Butylbenzylphthalate	95	%Rec		6/27/12	1
58082	Caffeine	76	%Rec		6/27/12	1
105602	Caprolactam	12	%Rec		6/27/12	1

Spiked Compounds (cont.):

218019	Chrysene	87 %Rec	6/27/12	1
53703	Dibenzo[a,h]anthracene	87 %Rec	6/27/12	1
132649	Dibenzofuran	84 %Rec	6/27/12	1
84662	Diethyl phthalate	91 %Rec	6/27/12	1
131113	Dimethylphthalate	91 %Rec	6/27/12	1
84742	Di-n-Butylphthalate	104 %Rec	6/27/12	1
117840	Di-n-octylphthalate	88 %Rec	6/27/12	1
98862	Ethanone, 1-phenyl-	88 %Rec	6/27/12	1
206440	Fluoranthene	90 %Rec	6/27/12	1
118741	Hexachlorobenzene	85 %Rec	6/27/12	1
87683	Hexachlorobutadiene	37 %Rec	6/27/12	1
77474	Hexachlorocyclopentadiene	50 %Rec	6/27/12	1
67721	Hexachloroethane	38 %Rec	6/27/12	1
193395	Indeno(1,2,3-cd)pyrene	88 %Rec	6/27/12	1
78591	Isophorone	89 %Rec	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	90 %Rec	6/27/12	1
91203	Naphthalene	73 %Rec	6/27/12	1
90120	Naphthalene, 1-methyl-	77 %Rec	6/27/12	1
91576	Naphthalene, 2-methyl-	74 %Rec	6/27/12	1
98953	Nitrobenzene	90 %Rec	6/27/12	1
621647	N-Nitrosodinpropylamine	87 %Rec	6/27/12	1
86306	n-Nitrosodiphenylamine	94 %Rec	6/27/12	1
87865	Pentachlorophenol	84 %Rec	6/27/12	1
85018	Phenanthrene	87 %Rec	6/27/12	1
108952	Phenol	89 %Rec	6/27/12	1
95487	Phenol, 2-methyl-	93 %Rec	6/27/12	1
129000	Pyrene	90 %Rec	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	97 %Rec	6/27/12	1
93951781	2-Nitrophenol-D4	97 %Rec	6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	87 %Rec	6/27/12	1
191656334	4-Chloroaniline-D4	68 %Rec	6/27/12	1
190780666	4-Methylphenol-D8	96 %Rec	6/27/12	1
93951792	4-Nitrophenol-D4	86 %Rec	6/27/12	1
93951974	Acenaphthylene-D8	96 %Rec	6/27/12	1
1719068	Anthracene-D10	90 %Rec	6/27/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec	6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	92 %Rec	6/27/12	1
81103799	D10-Fluorene (SS)	90 %Rec	6/27/12	1
1718521	D10-Pyrene	95 %Rec	6/27/12	1
93951747	d3-2,4-Dichlorophenol	98 %Rec	6/27/12	1
93951894	Dimethylphthalate-D6	91 %Rec	6/27/12	1
4165600	Nitrobenzene-d5	98 %Rec	6/27/12	1
4165622	Phenol-d5	96 %Rec	6/27/12	1

Sample : 74W062112L2 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	76	%Rec		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	69	%Rec		6/27/12	1
120821	1,2,4-Trichlorobenzene	47	%Rec		6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	85	%Rec		6/27/12	1
95954	2,4,5-Trichlorophenol	86	%Rec		6/27/12	1
88062	2,4,6-Trichlorophenol	94	%Rec		6/27/12	1
120832	2,4-Dichlorophenol	89	%Rec		6/27/12	1
105679	2,4-Dimethylphenol	88	%Rec		6/27/12	1
51285	2,4-Dinitrophenol	67	%Rec		6/27/12	1
121142	2,4-Dinitrotoluene	85	%Rec		6/27/12	1
606202	2,6-Dinitrotoluene	89	%Rec		6/27/12	1
91587	2-Chloronaphthalene	76	%Rec		6/27/12	1
95578	2-Chlorophenol	88	%Rec		6/27/12	1
88744	2-Nitroaniline	89	%Rec		6/27/12	1
88755	2-Nitrophenol	90	%Rec		6/27/12	1
91941	3,3'-Dichlorobenzidine	85	%Rec		6/27/12	1
99092	3-Nitroaniline	82	%Rec		6/27/12	1
534521	4,6-Dinitro-2-methylphenol	87	%Rec		6/27/12	1
101553	4-Bromophenyl-Phenylether	84	%Rec		6/27/12	1
59507	4-Chloro-3-methylphenol	87	%Rec		6/27/12	1
106478	4-Chloroaniline	65	%Rec		6/27/12	1
7005723	4-Chlorophenyl-Phenylether	78	%Rec		6/27/12	1
106445	4-Methylphenol	86	%Rec		6/27/12	1
100016	4-Nitroaniline	94	%Rec		6/27/12	1
100027	4-Nitrophenol	78	%Rec		6/27/12	1
86748	9H-Carbazole	89	%Rec		6/27/12	1
86737	9H-Fluorene	79	%Rec		6/27/12	1
83329	Acenaphthene	79	%Rec		6/27/12	1
208968	Acenaphthylene	83	%Rec		6/27/12	1
120127	Anthracene	80	%Rec		6/27/12	1
1912249	Atrazine	99	%Rec		6/27/12	1
100527	Benzaldehyde	105	%Rec		6/27/12	1
56553	Benzo(a)anthracene	84	%Rec		6/27/12	1
50328	Benzo(a)pyrene	84	%Rec		6/27/12	1
191242	Benzo(g,h,i)perylene	86	%Rec		6/27/12	1
205992	Benzo[b]Fluoranthene	83	%Rec		6/27/12	1
207089	Benzo[k]fluoranthene	87	%Rec		6/27/12	1
111444	bis(2-Chloroethyl)ether	81	%Rec		6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	82	%Rec		6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	92	%Rec		6/27/12	1
85687	Butylbenzylphthalate	92	%Rec		6/27/12	1
58082	Caffeine	69	%Rec		6/27/12	1
105602	Caprolactam	12	%Rec		6/27/12	1

Spiked Compounds (cont.):

218019	Chrysene	80 %Rec	6/27/12	1
53703	Dibenzo[a,h]anthracene	80 %Rec	6/27/12	1
132649	Dibenzofuran	80 %Rec	6/27/12	1
84662	Diethyl phthalate	89 %Rec	6/27/12	1
131113	Dimethylphthalate	88 %Rec	6/27/12	1
84742	Di-n-Butylphthalate	97 %Rec	6/27/12	1
117840	Di-n-octylphthalate	85 %Rec	6/27/12	1
98862	Ethanone, 1-phenyl-	82 %Rec	6/27/12	1
206440	Fluoranthene	83 %Rec	6/27/12	1
118741	Hexachlorobenzene	80 %Rec	6/27/12	1
87683	Hexachlorobutadiene	28 %Rec	6/27/12	1
77474	Hexachlorocyclopentadiene	43 %Rec	6/27/12	1
67721	Hexachloroethane	31 %Rec	6/27/12	1
193395	Indeno(1,2,3-cd)pyrene	82 %Rec	6/27/12	1
78591	Isophorone	86 %Rec	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	86 %Rec	6/27/12	1
91203	Naphthalene	65 %Rec	6/27/12	1
90120	Naphthalene, 1-methyl-	69 %Rec	6/27/12	1
91576	Naphthalene, 2-methyl-	65 %Rec	6/27/12	1
98953	Nitrobenzene	87 %Rec	6/27/12	1
621647	N-Nitrosodinpropylamine	81 %Rec	6/27/12	1
86306	n-Nitrosodiphenylamine	94 %Rec	6/27/12	1
87865	Pentachlorophenol	79 %Rec	6/27/12	1
85018	Phenanthrene	83 %Rec	6/27/12	1
108952	Phenol	82 %Rec	6/27/12	1
95487	Phenol, 2-methyl-	88 %Rec	6/27/12	1
129000	Pyrene	88 %Rec	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	91 %Rec	6/27/12	1
93951781	2-Nitrophenol-D4	93 %Rec	6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	81 %Rec	6/27/12	1
191656334	4-Chloroaniline-D4	67 %Rec	6/27/12	1
190780666	4-Methylphenol-D8	91 %Rec	6/27/12	1
93951792	4-Nitrophenol-D4	83 %Rec	6/27/12	1
93951974	Acenaphthylene-D8	93 %Rec	6/27/12	1
1719068	Anthracene-D10	84 %Rec	6/27/12	1
63466717	Benzo[a]pyrene-D12	89 %Rec	6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	85 %Rec	6/27/12	1
81103799	D10-Fluorene (SS)	84 %Rec	6/27/12	1
1718521	D10-Pyrene	94 %Rec	6/27/12	1
93951747	d3-2,4-Dichlorophenol	94 %Rec	6/27/12	1
93951894	Dimethylphthalate-D6	85 %Rec	6/27/12	1
4165600	Nitrobenzene-d5	95 %Rec	6/27/12	1
4165622	Phenol-d5	87 %Rec	6/27/12	1

Sample : 74W062212L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	83	%Rec		6/27/12	1
95943	1,2,4,5-Tetrachlorobenzene	78	%Rec		6/27/12	1
120821	1,2,4-Trichlorobenzene	63	%Rec		6/27/12	1
58902	2,3,4,6-Tetrachlorophenol	85	%Rec		6/27/12	1
95954	2,4,5-Trichlorophenol	79	%Rec		6/27/12	1
88062	2,4,6-Trichlorophenol	96	%Rec		6/27/12	1
120832	2,4-Dichlorophenol	90	%Rec		6/27/12	1
105679	2,4-Dimethylphenol	93	%Rec		6/27/12	1
51285	2,4-Dinitrophenol	73	%Rec		6/27/12	1
121142	2,4-Dinitrotoluene	88	%Rec		6/27/12	1
606202	2,6-Dinitrotoluene	89	%Rec		6/27/12	1
91587	2-Chloronaphthalene	83	%Rec		6/27/12	1
95578	2-Chlorophenol	90	%Rec		6/27/12	1
88744	2-Nitroaniline	92	%Rec		6/27/12	1
88755	2-Nitrophenol	94	%Rec		6/27/12	1
91941	3,3'-Dichlorobenzidine	87	%Rec		6/27/12	1
99092	3-Nitroaniline	80	%Rec		6/27/12	1
534521	4,6-Dinitro-2-methylphenol	88	%Rec		6/27/12	1
101553	4-Bromophenyl-Phenylether	89	%Rec		6/27/12	1
59507	4-Chloro-3-methylphenol	87	%Rec		6/27/12	1
106478	4-Chloroaniline	59	%Rec		6/27/12	1
7005723	4-Chlorophenyl-Phenylether	82	%Rec		6/27/12	1
106445	4-Methylphenol	89	%Rec		6/27/12	1
100016	4-Nitroaniline	96	%Rec		6/27/12	1
100027	4-Nitrophenol	72	%Rec		6/27/12	1
86748	9H-Carbazole	91	%Rec		6/27/12	1
86737	9H-Fluorene	84	%Rec		6/27/12	1
83329	Acenaphthene	85	%Rec		6/27/12	1
208968	Acenaphthylene	89	%Rec		6/27/12	1
120127	Anthracene	87	%Rec		6/27/12	1
1912249	Atrazine	99	%Rec		6/27/12	1
100527	Benzaldehyde	112	%Rec		6/27/12	1
56553	Benzo(a)anthracene	91	%Rec		6/27/12	1
50328	Benzo(a)pyrene	92	%Rec		6/27/12	1
191242	Benzo(g,h,i)perylene	94	%Rec		6/27/12	1
205992	Benzo[b]Fluoranthene	92	%Rec		6/27/12	1
207089	Benzo[k]fluoranthene	94	%Rec		6/27/12	1
111444	bis(2-Chloroethyl)ether	86	%Rec		6/27/12	1
108601	Bis(2-Chloroisopropyl)ether	87	%Rec		6/27/12	1
117817	Bis(2-ethylhexyl) phthalate	99	%Rec		6/27/12	1
85687	Butylbenzylphthalate	99	%Rec		6/27/12	1
58082	Caffeine	74	%Rec		6/27/12	1
105602	Caprolactam	13	%Rec		6/27/12	1

Spiked Compounds (cont.):

218019	Chrysene	87 %Rec	6/27/12	1
53703	Dibenzo[a,h]anthracene	89 %Rec	6/27/12	1
132649	Dibenzofuran	84 %Rec	6/27/12	1
84662	Diethyl phthalate	90 %Rec	6/27/12	1
131113	Dimethylphthalate	89 %Rec	6/27/12	1
84742	Di-n-Butylphthalate	101 %Rec	6/27/12	1
117840	Di-n-octylphthalate	93 %Rec	6/27/12	1
98862	Ethanone, 1-phenyl-	86 %Rec	6/27/12	1
206440	Fluoranthene	89 %Rec	6/27/12	1
118741	Hexachlorobenzene	85 %Rec	6/27/12	1
87683	Hexachlorobutadiene	43 %Rec	6/27/12	1
77474	Hexachlorocyclopentadiene	59 %Rec	6/27/12	1
67721	Hexachloroethane	42 %Rec	6/27/12	1
193395	Indeno(1,2,3-cd)pyrene	90 %Rec	6/27/12	1
78591	Isophorone	90 %Rec	6/27/12	1
111911	Methane, bis(2-chloroethoxy)-	90 %Rec	6/27/12	1
91203	Naphthalene	77 %Rec	6/27/12	1
90120	Naphthalene, 1-methyl-	79 %Rec	6/27/12	1
91576	Naphthalene, 2-methyl-	76 %Rec	6/27/12	1
98953	Nitrobenzene	90 %Rec	6/27/12	1
621647	N-Nitrosodinpropylamine	86 %Rec	6/27/12	1
86306	n-Nitrosodiphenylamine	94 %Rec	6/27/12	1
87865	Pentachlorophenol	80 %Rec	6/27/12	1
85018	Phenanthrene	86 %Rec	6/27/12	1
108952	Phenol	89 %Rec	6/27/12	1
95487	Phenol, 2-methyl-	92 %Rec	6/27/12	1
129000	Pyrene	91 %Rec	6/27/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	94 %Rec	6/27/12	1
93951781	2-Nitrophenol-D4	98 %Rec	6/27/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	84 %Rec	6/27/12	1
191656334	4-Chloroaniline-D4	60 %Rec	6/27/12	1
190780666	4-Methylphenol-D8	94 %Rec	6/27/12	1
93951792	4-Nitrophenol-D4	80 %Rec	6/27/12	1
93951974	Acenaphthylene-D8	95 %Rec	6/27/12	1
1719068	Anthracene-D10	90 %Rec	6/27/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec	6/27/12	1
93952024	Bis(2chloroethyl)ether-D8	90 %Rec	6/27/12	1
81103799	D10-Fluorene (SS)	87 %Rec	6/27/12	1
1718521	D10-Pyrene	97 %Rec	6/27/12	1
93951747	d3-2,4-Dichlorophenol	95 %Rec	6/27/12	1
93951894	Dimethylphthalate-D6	88 %Rec	6/27/12	1
4165600	Nitrobenzene-d5	99 %Rec	6/27/12	1
4165622	Phenol-d5	94 %Rec	6/27/12	1

Sample : 74W062512L1 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - 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	80	%Rec		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	75	%Rec		6/29/12	1
120821	1,2,4-Trichlorobenzene	63	%Rec		6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	83	%Rec		6/29/12	1
95954	2,4,5-Trichlorophenol	79	%Rec		6/29/12	1
88062	2,4,6-Trichlorophenol	93	%Rec		6/29/12	1
120832	2,4-Dichlorophenol	84	%Rec		6/29/12	1
105679	2,4-Dimethylphenol	86	%Rec		6/29/12	1
51285	2,4-Dinitrophenol	81	%Rec		6/29/12	1
121142	2,4-Dinitrotoluene	83	%Rec		6/29/12	1
606202	2,6-Dinitrotoluene	89	%Rec		6/29/12	1
91587	2-Chloronaphthalene	80	%Rec		6/29/12	1
95578	2-Chlorophenol	83	%Rec		6/29/12	1
88744	2-Nitroaniline	88	%Rec		6/29/12	1
88755	2-Nitrophenol	88	%Rec		6/29/12	1
91941	3,3'-Dichlorobenzidine	90	%Rec		6/29/12	1
99092	3-Nitroaniline	81	%Rec		6/29/12	1
534521	4,6-Dinitro-2-methylphenol	91	%Rec		6/29/12	1
101553	4-Bromophenyl-Phenylether	87	%Rec		6/29/12	1
59507	4-Chloro-3-methylphenol	83	%Rec		6/29/12	1
106478	4-Chloroaniline	63	%Rec		6/29/12	1
7005723	4-Chlorophenyl-Phenylether	80	%Rec		6/29/12	1
106445	4-Methylphenol	82	%Rec		6/29/12	1
100016	4-Nitroaniline	93	%Rec		6/29/12	1
100027	4-Nitrophenol	77	%Rec		6/29/12	1
86748	9H-Carbazole	89	%Rec		6/29/12	1
86737	9H-Fluorene	82	%Rec		6/29/12	1
83329	Acenaphthene	81	%Rec		6/29/12	1
208968	Acenaphthylene	85	%Rec		6/29/12	1
120127	Anthracene	85	%Rec		6/29/12	1
1912249	Atrazine	96	%Rec		6/29/12	1
100527	Benzaldehyde	104	%Rec		6/29/12	1
56553	Benzo(a)anthracene	90	%Rec		6/29/12	1
50328	Benzo(a)pyrene	89	%Rec		6/29/12	1
191242	Benzo(g,h,i)perylene	93	%Rec		6/29/12	1
205992	Benzo[b]Fluoranthene	87	%Rec		6/29/12	1
207089	Benzo[k]fluoranthene	91	%Rec		6/29/12	1
111444	bis(2-Chloroethyl)ether	80	%Rec		6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	78	%Rec		6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	92	%Rec		6/29/12	1
85687	Butylbenzylphthalate	92	%Rec		6/29/12	1
58082	Caffeine	70	%Rec		6/29/12	1
105602	Caprolactam	12	%Rec		6/29/12	1

Spiked Compounds (cont.):

218019	Chrysene	86 %Rec	6/29/12	1
53703	Dibenzo[a,h]anthracene	87 %Rec	6/29/12	1
132649	Dibenzofuran	81 %Rec	6/29/12	1
84662	Diethyl phthalate	87 %Rec	6/29/12	1
131113	Dimethylphthalate	87 %Rec	6/29/12	1
84742	Di-n-Butylphthalate	101 %Rec	6/29/12	1
117840	Di-n-octylphthalate	85 %Rec	6/29/12	1
98862	Ethanone, 1-phenyl-	80 %Rec	6/29/12	1
206440	Fluoranthene	87 %Rec	6/29/12	1
118741	Hexachlorobenzene	83 %Rec	6/29/12	1
87683	Hexachlorobutadiene	46 %Rec	6/29/12	1
77474	Hexachlorocyclopentadiene	59 %Rec	6/29/12	1
67721	Hexachloroethane	39 %Rec	6/29/12	1
193395	Indeno(1,2,3-cd)pyrene	88 %Rec	6/29/12	1
78591	Isophorone	84 %Rec	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	82 %Rec	6/29/12	1
91203	Naphthalene	73 %Rec	6/29/12	1
90120	Naphthalene, 1-methyl-	75 %Rec	6/29/12	1
91576	Naphthalene, 2-methyl-	74 %Rec	6/29/12	1
98953	Nitrobenzene	85 %Rec	6/29/12	1
621647	N-Nitrosodinpropylamine	79 %Rec	6/29/12	1
86306	n-Nitrosodiphenylamine	91 %Rec	6/29/12	1
87865	Pentachlorophenol	80 %Rec	6/29/12	1
85018	Phenanthrene	84 %Rec	6/29/12	1
108952	Phenol	81 %Rec	6/29/12	1
95487	Phenol, 2-methyl-	83 %Rec	6/29/12	1
129000	Pyrene	89 %Rec	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	84 %Rec	6/29/12	1
93951781	2-Nitrophenol-D4	87 %Rec	6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	85 %Rec	6/29/12	1
191656334	4-Chloroaniline-D4	64 %Rec	6/29/12	1
190780666	4-Methylphenol-D8	84 %Rec	6/29/12	1
93951792	4-Nitrophenol-D4	80 %Rec	6/29/12	1
93951974	Acenaphthylene-D8	88 %Rec	6/29/12	1
1719068	Anthracene-D10	85 %Rec	6/29/12	1
63466717	Benzo[a]pyrene-D12	94 %Rec	6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	80 %Rec	6/29/12	1
81103799	D10-Fluorene (SS)	83 %Rec	6/29/12	1
1718521	D10-Pyrene	91 %Rec	6/29/12	1
93951747	d3-2,4-Dichlorophenol	85 %Rec	6/29/12	1
93951894	Dimethylphthalate-D6	80 %Rec	6/29/12	1
4165600	Nitrobenzene-d5	91 %Rec	6/29/12	1
4165622	Phenol-d5	83 %Rec	6/29/12	1

Sample : 74W062512L2 Lab Control Std

Description : Lab Control Standard

Matrix : Liquid **Weight Basis :** N/A

Parameter : BNA

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270D - Semivolatiles by GC/MS

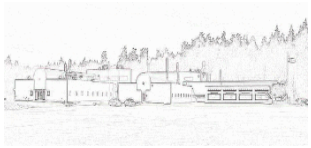
Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
92524	1,1'-Biphenyl	81	%Rec		6/29/12	1
95943	1,2,4,5-Tetrachlorobenzene	77	%Rec		6/29/12	1
120821	1,2,4-Trichlorobenzene	67	%Rec		6/29/12	1
58902	2,3,4,6-Tetrachlorophenol	82	%Rec		6/29/12	1
95954	2,4,5-Trichlorophenol	82	%Rec		6/29/12	1
88062	2,4,6-Trichlorophenol	92	%Rec		6/29/12	1
120832	2,4-Dichlorophenol	85	%Rec		6/29/12	1
105679	2,4-Dimethylphenol	86	%Rec		6/29/12	1
51285	2,4-Dinitrophenol	83	%Rec		6/29/12	1
121142	2,4-Dinitrotoluene	82	%Rec		6/29/12	1
606202	2,6-Dinitrotoluene	86	%Rec		6/29/12	1
91587	2-Chloronaphthalene	82	%Rec		6/29/12	1
95578	2-Chlorophenol	83	%Rec		6/29/12	1
88744	2-Nitroaniline	88	%Rec		6/29/12	1
88755	2-Nitrophenol	90	%Rec		6/29/12	1
91941	3,3'-Dichlorobenzidine	87	%Rec		6/29/12	1
99092	3-Nitroaniline	76	%Rec		6/29/12	1
534521	4,6-Dinitro-2-methylphenol	90	%Rec		6/29/12	1
101553	4-Bromophenyl-Phenylether	87	%Rec		6/29/12	1
59507	4-Chloro-3-methylphenol	82	%Rec		6/29/12	1
106478	4-Chloroaniline	48	%Rec		6/29/12	1
7005723	4-Chlorophenyl-Phenylether	79	%Rec		6/29/12	1
106445	4-Methylphenol	81	%Rec		6/29/12	1
100016	4-Nitroaniline	92	%Rec		6/29/12	1
100027	4-Nitrophenol	77	%Rec		6/29/12	1
86748	9H-Carbazole	89	%Rec		6/29/12	1
86737	9H-Fluorene	82	%Rec		6/29/12	1
83329	Acenaphthene	82	%Rec		6/29/12	1
208968	Acenaphthylene	86	%Rec		6/29/12	1
120127	Anthracene	86	%Rec		6/29/12	1
1912249	Atrazine	94	%Rec		6/29/12	1
100527	Benzaldehyde	105	%Rec		6/29/12	1
56553	Benzo(a)anthracene	90	%Rec		6/29/12	1
50328	Benzo(a)pyrene	90	%Rec		6/29/12	1
191242	Benzo(g,h,i)perylene	90	%Rec		6/29/12	1
205992	Benzo[b]Fluoranthene	89	%Rec		6/29/12	1
207089	Benzo[k]fluoranthene	93	%Rec		6/29/12	1
111444	bis(2-Chloroethyl)ether	80	%Rec		6/29/12	1
108601	Bis(2-Chloroisopropyl)ether	78	%Rec		6/29/12	1
117817	Bis(2-ethylhexyl) phthalate	91	%Rec		6/29/12	1
85687	Butylbenzylphthalate	93	%Rec		6/29/12	1
58082	Caffeine	69	%Rec		6/29/12	1
105602	Caprolactam	11	%Rec		6/29/12	1

Spiked Compounds (cont.):

218019	Chrysene	87 %Rec	6/29/12	1
53703	Dibenzo[a,h]anthracene	86 %Rec	6/29/12	1
132649	Dibenzofuran	81 %Rec	6/29/12	1
84662	Diethyl phthalate	87 %Rec	6/29/12	1
131113	Dimethylphthalate	85 %Rec	6/29/12	1
84742	Di-n-Butylphthalate	96 %Rec	6/29/12	1
117840	Di-n-octylphthalate	86 %Rec	6/29/12	1
98862	Ethanone, 1-phenyl-	80 %Rec	6/29/12	1
206440	Fluoranthene	86 %Rec	6/29/12	1
118741	Hexachlorobenzene	84 %Rec	6/29/12	1
87683	Hexachlorobutadiene	47 %Rec	6/29/12	1
77474	Hexachlorocyclopentadiene	60 %Rec	6/29/12	1
67721	Hexachloroethane	41 %Rec	6/29/12	1
193395	Indeno(1,2,3-cd)pyrene	86 %Rec	6/29/12	1
78591	Isophorone	84 %Rec	6/29/12	1
111911	Methane, bis(2-chloroethoxy)-	84 %Rec	6/29/12	1
91203	Naphthalene	75 %Rec	6/29/12	1
90120	Naphthalene, 1-methyl-	76 %Rec	6/29/12	1
91576	Naphthalene, 2-methyl-	75 %Rec	6/29/12	1
98953	Nitrobenzene	87 %Rec	6/29/12	1
621647	N-Nitrosodinpropylamine	79 %Rec	6/29/12	1
86306	n-Nitrosodiphenylamine	92 %Rec	6/29/12	1
87865	Pentachlorophenol	84 %Rec	6/29/12	1
85018	Phenanthrene	84 %Rec	6/29/12	1
108952	Phenol	82 %Rec	6/29/12	1
95487	Phenol, 2-methyl-	82 %Rec	6/29/12	1
129000	Pyrene	93 %Rec	6/29/12	1

Surrogate Compounds:

93951736	2-chlorophenol-d4	87 %Rec	6/29/12	1
93951781	2-Nitrophenol-D4	90 %Rec	6/29/12	1
93951769	4,6-Dinitro-2-methylphenol-d2	86 %Rec	6/29/12	1
191656334	4-Chloroaniline-D4	49 %Rec	6/29/12	1
190780666	4-Methylphenol-D8	86 %Rec	6/29/12	1
93951792	4-Nitrophenol-D4	81 %Rec	6/29/12	1
93951974	Acenaphthylene-D8	91 %Rec	6/29/12	1
1719068	Anthracene-D10	89 %Rec	6/29/12	1
63466717	Benzo[a]pyrene-D12	98 %Rec	6/29/12	1
93952024	Bis(2chloroethyl)ether-D8	84 %Rec	6/29/12	1
81103799	D10-Fluorene (SS)	84 %Rec	6/29/12	1
1718521	D10-Pyrene	98 %Rec	6/29/12	1
93951747	d3-2,4-Dichlorophenol	91 %Rec	6/29/12	1
93951894	Dimethylphthalate-D6	82 %Rec	6/29/12	1
4165600	Nitrobenzene-d5	93 %Rec	6/29/12	1
4165622	Phenol-d5	86 %Rec	6/29/12	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016N
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2012T10P303DD210W2LA00

Sample : 12254300

Description : SE02-0612
Matrix : Water
Weight Basis : N/A
Collected : 6/18/2012 10:15:00AM

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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.10**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		7/12/12	1
1718510	Terphenyl-d14	76	%Rec		7/12/12	1

Sample : 12254301

Description : CW02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM
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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.043**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	69	%Rec		7/12/12	1
1718510	Terphenyl-d14	76	%Rec		7/12/12	1

Sample : 12254302

Description : P1L-0612+LD
Matrix : Water
Collected : 6/18/2012 11:30:00AM
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	0.030	ug/L	U	7/12/12	1
83329	**Acenaphthene**	**0.047**	**ug/L**		7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.048**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	72	%Rec		7/12/12	1
1718510	Terphenyl-d14	72	%Rec		7/12/12	1

Sample : 12254303

Description : 02CDMW01-0612
Matrix : Water
Collected : 6/18/2012 1:50:00PM
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	0.030	ug/L	U	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	**Anthracene**	**0.041**	**ug/L**		7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.032**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	76	%Rec		7/12/12	1
1718510	Terphenyl-d14	75	%Rec		7/12/12	1

Sample : 12254304

Description : VG1L-0612
Matrix : Water
Collected : 6/18/2012 1:37:00PM
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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	**Fluoranthene**	**0.032**	**ug/L**		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.074**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	**Phenanthrene**	**0.030**	**ug/L**	J	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	79	%Rec		7/12/12	1

Sample : 12254305

Description : CW09-0612
Matrix : Water
Collected : 6/18/2012 3:40:00PM
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**	**7.8**	**ug/L**		7/13/12	10
83329	**Acenaphthene**	**14**	**ug/L**		7/13/12	10
208968	**Acenaphthylene**	**0.26**	**ug/L**		7/12/12	1
120127	**Anthracene**	**2.9**	**ug/L**		7/12/12	1
56553	**Benzo(a)anthracene**	**2.7**	**ug/L**		7/12/12	1
50328	**Benzo(a)pyrene**	**0.80**	**ug/L**		7/12/12	1
191242	**Benzo(g,h,i)perylene**	**0.18**	**ug/L**		7/12/12	1
205992	**Benzo[b]Fluoranthene**	**1.7**	**ug/L**		7/12/12	1
207089	**Benzo[k]fluoranthene**	**1.8**	**ug/L**		7/12/12	1
218019	**Chrysene**	**2.0**	**ug/L**		7/12/12	1
53703	**Dibenzo[a,h]anthracene**	**0.065**	**ug/L**		7/12/12	1
206440	**Fluoranthene**	**13**	**ug/L**		7/13/12	10
193395	**Indeno(1,2,3-cd)pyrene**	**0.18**	**ug/L**		7/12/12	1
91203	**Naphthalene**	**0.22**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	**Phenanthrene**	**20**	**ug/L**		7/13/12	10
129000	**Pyrene**	**8.0**	**ug/L**		7/13/12	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	64	%Rec		7/12/12	1
1718510	Terphenyl-d14	78	%Rec		7/12/12	1

Sample : 12254306

Description : P2L0612
Matrix : Water
Collected : 6/18/2012 4:55:00PM
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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.054**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		7/12/12	1
1718510	Terphenyl-d14	77	%Rec		7/12/12	1

Sample : 12254307

Description : VG2L-0612
Matrix : Water
Collected : 6/21/2012 12:30:00PM
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**	**19**	**ug/L**		7/16/12	10
83329	**Acenaphthene**	**35**	**ug/L**		7/16/12	10
208968	**Acenaphthylene**	**0.76**	**ug/L**		7/13/12	1
120127	**Anthracene**	**3.2**	**ug/L**		7/16/12	10
56553	**Benzo(a)anthracene**	**1.8**	**ug/L**		7/13/12	1
50328	**Benzo(a)pyrene**	**0.42**	**ug/L**		7/13/12	1
191242	**Benzo(g,h,i)perylene**	**0.10**	**ug/L**		7/13/12	1
205992	**Benzo[b]Fluoranthene**	**0.57**	**ug/L**		7/13/12	1
207089	**Benzo[k]fluoranthene**	**0.37**	**ug/L**		7/13/12	1
218019	**Chrysene**	**1.5**	**ug/L**		7/13/12	1
53703	**Dibenzo[a,h]anthracene**	**0.038**	**ug/L**		7/13/12	1
206440	**Fluoranthene**	**11**	**ug/L**		7/16/12	10
193395	**Indeno(1,2,3-cd)pyrene**	**0.10**	**ug/L**		7/13/12	1
91203	**Naphthalene**	**190**	**ug/L**		7/16/12	100
91576	**Naphthalene, 2-methyl-**	**11**	**ug/L**		7/16/12	10
85018	**Phenanthrene**	**36**	**ug/L**		7/16/12	10
129000	**Pyrene**	**6.1**	**ug/L**		7/16/12	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	85	%Rec		7/13/12	1
1718510	Terphenyl-d14	93	%Rec		7/13/12	1

Sample : 12254308

Description : MW80-0612
Matrix : Water
Collected : 6/21/2012 12:38:00PM
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**	**22**	**ug/L**		7/16/12	10
83329	**Acenaphthene**	**60**	**ug/L**		7/16/12	100
208968	**Acenaphthylene**	**0.90**	**ug/L**		7/13/12	1
120127	**Anthracene**	**3.8**	**ug/L**		7/13/12	1
56553	**Benzo(a)anthracene**	**0.96**	**ug/L**		7/13/12	1
50328	**Benzo(a)pyrene**	**0.25**	**ug/L**		7/13/12	1
191242	**Benzo(g,h,i)perylene**	**0.061**	**ug/L**		7/13/12	1
205992	**Benzo[b]Fluoranthene**	**0.33**	**ug/L**		7/13/12	1
207089	**Benzo[k]fluoranthene**	**0.16**	**ug/L**		7/13/12	1
218019	**Chrysene**	**0.82**	**ug/L**		7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	**Fluoranthene**	**7.6**	**ug/L**		7/16/12	10
193395	**Indeno(1,2,3-cd)pyrene**	**0.062**	**ug/L**		7/13/12	1
91203	**Naphthalene**	**260**	**ug/L**		7/16/12	100
91576	**Naphthalene, 2-methyl-**	**15**	**ug/L**		7/16/12	10
85018	**Phenanthrene**	**32**	**ug/L**		7/16/12	10
129000	**Pyrene**	**4.0**	**ug/L**		7/16/12	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	84	%Rec		7/13/12	1
1718510	Terphenyl-d14	84	%Rec		7/13/12	1

Sample : 12254309

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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**	**7.4**	**ug/L**		7/13/12	50
83329	**Acenaphthene**	**66**	**ug/L**		7/13/12	50
208968	**Acenaphthylene**	**1.2**	**ug/L**		7/12/12	1
120127	**Anthracene**	**2.2**	**ug/L**		7/12/12	1
56553	Benzo(a)anthracene	0.17	ug/L	U	7/12/12	1
50328	**Benzo(a)pyrene**	**0.049**	**ug/L**		7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.069	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.042	ug/L	U	7/12/12	1
218019	Chrysene	0.16	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	**Fluoranthene**	**2.7**	**ug/L**		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**98**	**ug/L**		7/13/12	50
91576	**Naphthalene, 2-methyl-**	**1.7**	**ug/L**		7/12/12	1
85018	**Phenanthrene**	**17**	**ug/L**		7/13/12	50
129000	**Pyrene**	**1.2**	**ug/L**		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	80	%Rec		7/12/12	1

Sample : 12254310

Description : MW50-0612
Matrix : Water
Collected : 6/19/2012 11:35:11AM
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**	**5.7**	**ug/L**		7/16/12	50
83329	**Acenaphthene**	**56**	**ug/L**		7/16/12	50
208968	**Acenaphthylene**	**0.99**	**ug/L**		7/12/12	1
120127	**Anthracene**	**2.2**	**ug/L**		7/12/12	1
56553	Benzo(a)anthracene	0.14	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.043	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.13	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	**Fluoranthene**	**2.6**	**ug/L**		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**68**	**ug/L**		7/16/12	50
91576	**Naphthalene, 2-methyl-**	**1.2**	**ug/L**		7/12/12	1
85018	**Phenanthrene**	**15**	**ug/L**		7/16/12	50
129000	**Pyrene**	**1.2**	**ug/L**		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		7/12/12	1
1718510	Terphenyl-d14	74	%Rec		7/12/12	1

Sample : 12254311

Description : CW05-0612
Matrix : Water
Collected : 6/19/2012 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**	**40**	**ug/L**		7/16/12	50
83329	**Acenaphthene**	**81**	**ug/L**		7/16/12	50
208968	**Acenaphthylene**	**1.9**	**ug/L**		7/12/12	1
120127	**Anthracene**	**3.3**	**ug/L**		7/12/12	1
56553	Benzo(a)anthracene	0.10	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.033	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.10	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	**Fluoranthene**	**3.3**	**ug/L**		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**890**	**ug/L**		7/16/12	500
91576	**Naphthalene, 2-methyl-**	**1.8**	**ug/L**		7/12/12	1
85018	**Phenanthrene**	**36**	**ug/L**		7/16/12	50
129000	**Pyrene**	**1.5**	**ug/L**		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	77	%Rec		7/12/12	1

Sample : 12254312

Description : P4L-0612
Matrix : Water
Collected : 6/19/2012 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	0.030	ug/L	U	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	Anthracene	0.030	ug/L	U	7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	**Fluoranthene**	**0.092**	**ug/L**		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	**Phenanthrene**	**0.13**	**ug/L**		7/13/12	1
129000	**Pyrene**	**0.053**	**ug/L**		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	81	%Rec		7/13/12	1
1718510	Terphenyl-d14	77	%Rec		7/13/12	1

Sample : 12254313

Description : VG3L-0612+LD
Matrix : Water
Collected : 6/19/2012 12:35:00PM
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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	**Fluoranthene**	**0.040**	**ug/L**		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	Naphthalene	0.030	ug/L	U	7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	**Phenanthrene**	**0.10**	**ug/L**		7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	79	%Rec		7/12/12	1

Sample : 12254314

Description : 99CDMW02-0612
Matrix : Water
Collected : 6/19/2012 11:55:00AM
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	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.90**	**ug/L**		7/12/12	1
91576	**Naphthalene, 2-methyl-**	**0.064**	**ug/L**		7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	70	%Rec		7/12/12	1
1718510	Terphenyl-d14	74	%Rec		7/12/12	1

Sample : 12254315

Description : P3L-0612
Matrix : Water
Collected : 6/20/2012 10:07:00AM
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**	**2.4**	**ug/L**		7/13/12	1
83329	**Acenaphthene**	**14**	**ug/L**		7/16/12	10
208968	**Acenaphthylene**	**0.16**	**ug/L**		7/13/12	1
120127	**Anthracene**	**0.35**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	**Fluoranthene**	**0.81**	**ug/L**		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	**Naphthalene**	**8.8**	**ug/L**		7/16/12	10
91576	**Naphthalene, 2-methyl-**	**0.15**	**ug/L**		7/13/12	1
85018	**Phenanthrene**	**1.2**	**ug/L**		7/13/12	1
129000	**Pyrene**	**0.48**	**ug/L**		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		7/13/12	1
1718510	Terphenyl-d14	77	%Rec		7/13/12	1

Sample : 12254316

Description : MW70-0612
Matrix : Water
Collected : 6/20/2012 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**	**2.6**	**ug/L**		7/13/12	1
83329	**Acenaphthene**	**16**	**ug/L**		7/17/12	50
208968	**Acenaphthylene**	**0.16**	**ug/L**		7/13/12	1
120127	**Anthracene**	**0.36**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	**Fluoranthene**	**0.86**	**ug/L**		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	**Naphthalene**	**9.8**	**ug/L**		7/17/12	50
91576	**Naphthalene, 2-methyl-**	**0.15**	**ug/L**		7/13/12	1
85018	**Phenanthrene**	**1.3**	**ug/L**		7/13/12	1
129000	**Pyrene**	**0.51**	**ug/L**		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	83	%Rec		7/13/12	1
1718510	Terphenyl-d14	81	%Rec		7/13/12	1

Sample : 12254317

Description : 99CDMW04-0612
Matrix : Water
Collected : 6/20/2012 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	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	**Anthracene**	**0.033**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		7/13/12	1
1718510	Terphenyl-d14	77	%Rec		7/13/12	1

Sample : 12254318

Description : CW12-0612
Matrix : Water
Collected : 6/20/2012 12:05:00PM
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	0.030	ug/L	U	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	**Anthracene**	**0.063**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	85	%Rec		7/13/12	1
1718510	Terphenyl-d14	83	%Rec		7/13/12	1

Sample : 12254319

Description : VG5L-0612+LD
Matrix : Water
Collected : 6/20/2012 12:15:00PM
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	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	Anthracene	0.030	ug/L	U	7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	78	%Rec		7/13/12	1
1718510	Terphenyl-d14	76	%Rec		7/13/12	1

Sample : 12254320

Description : P5L-0612
Matrix : Water
Collected : 6/19/2012 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	0.030	ug/L	U	7/12/12	1
83329	Acenaphthene	0.030	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/12/12	1
120127	Anthracene	0.030	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/12/12	1
218019	Chrysene	0.030	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/12/12	1
206440	Fluoranthene	0.030	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/12/12	1
91203	**Naphthalene**	**0.046**	**ug/L**		7/12/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/12/12	1
85018	Phenanthrene	0.030	ug/L	U	7/12/12	1
129000	Pyrene	0.030	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	78	%Rec		7/12/12	1

Sample : 12254321

Description : VG4L-0612
Matrix : Water
Collected : 6/19/2012 2:30:00PM
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	7/12/12	1
83329	Acenaphthene	0.031	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/12/12	1
120127	Anthracene	0.031	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.031	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	7/12/12	1
218019	Chrysene	0.031	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/12/12	1
206440	Fluoranthene	0.031	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/12/12	1
91203	Naphthalene	0.031	ug/L	U	7/12/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/12/12	1
85018	Phenanthrene	0.031	ug/L	U	7/12/12	1
129000	Pyrene	0.031	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	78	%Rec		7/12/12	1

Sample : 12254322

Description : P6L-0612
Matrix : Water
Collected : 6/20/2012 2:35:00PM
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	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	Anthracene	0.030	ug/L	U	7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	93	%Rec		7/13/12	1
1718510	Terphenyl-d14	91	%Rec		7/13/12	1

Sample : 12254323

Description : MW21-0612
Matrix : Water
Collected : 6/21/2012 10:15:00AM
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	7/13/12	1
83329	Acenaphthene	0.031	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/13/12	1
120127	**Anthracene**	**0.21**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.031	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	7/13/12	1
218019	Chrysene	0.031	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/13/12	1
206440	Fluoranthene	0.031	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/13/12	1
91203	Naphthalene	0.031	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/13/12	1
85018	Phenanthrene	0.031	ug/L	U	7/13/12	1
129000	Pyrene	0.031	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	78	%Rec		7/13/12	1
1718510	Terphenyl-d14	77	%Rec		7/13/12	1

Sample : 12254324

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	**Anthracene**	**0.061**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	**Naphthalene**	**0.057**	**ug/L**		7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/13/12	1
1718510	Terphenyl-d14	84	%Rec		7/13/12	1

Sample : 12254325

Description : PZ09-0612
Matrix : Water
Collected : 6/21/2012 1:29:00PM
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	7/13/12	1
83329	Acenaphthene	0.030	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.030	ug/L	U	7/13/12	1
120127	**Anthracene**	**0.088**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	Fluoranthene	0.030	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	Naphthalene	0.030	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.030	ug/L	U	7/13/12	1
85018	Phenanthrene	0.030	ug/L	U	7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		7/13/12	1
1718510	Terphenyl-d14	78	%Rec		7/13/12	1

Sample : 12254326

Description : PZ11-0612
Matrix : Water
Collected : 6/20/2012 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**	**2.9**	**ug/L**		7/13/12	1
83329	**Acenaphthene**	**15**	**ug/L**		7/16/12	10
208968	**Acenaphthylene**	**0.64**	**ug/L**		7/13/12	1
120127	**Anthracene**	**0.69**	**ug/L**		7/13/12	1
56553	Benzo(a)anthracene	0.030	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.030	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.030	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.030	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.030	ug/L	U	7/13/12	1
218019	Chrysene	0.030	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.030	ug/L	U	7/13/12	1
206440	**Fluoranthene**	**0.11**	**ug/L**		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.030	ug/L	U	7/13/12	1
91203	**Naphthalene**	**490**	**ug/L**		7/16/12	500
91576	**Naphthalene, 2-methyl-**	**1.4**	**ug/L**		7/13/12	1
85018	**Phenanthrene**	**2.2**	**ug/L**		7/13/12	1
129000	Pyrene	0.030	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	76	%Rec		7/13/12	1
1718510	Terphenyl-d14	76	%Rec		7/13/12	1

Sample : 12254309 Matrix Spike

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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
Spiked Compounds:						
86737	9H-Fluorene	NAR	%Rec		7/12/12	1
83329	Acenaphthene	NAR	%Rec		7/12/12	1
208968	Acenaphthylene	66	%Rec		7/12/12	1
120127	Anthracene	91	%Rec		7/12/12	1
56553	Benzo(a)anthracene	91	%Rec		7/12/12	1
50328	Benzo(a)pyrene	85	%Rec		7/12/12	1
191242	Benzo(g,h,i)perylene	77	%Rec		7/12/12	1
205992	Benzo[b]Fluoranthene	74	%Rec		7/12/12	1
207089	Benzo[k]fluoranthene	77	%Rec		7/12/12	1
218019	Chrysene	80	%Rec		7/12/12	1
53703	Dibenzo[a,h]anthracene	79	%Rec		7/12/12	1
206440	Fluoranthene	75	%Rec		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	80	%Rec		7/12/12	1
91203	Naphthalene	NAR	%Rec		7/12/12	1
91576	Naphthalene, 2-methyl-	81	%Rec		7/12/12	1
85018	Phenanthrene	NAR	%Rec		7/12/12	1
129000	Pyrene	82	%Rec		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		7/12/12	1
1718510	Terphenyl-d14	83	%Rec		7/12/12	1

Sample : 12254324 Matrix Spike

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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
Spiked Compounds:						
86737	9H-Fluorene	81	%Rec		7/13/12	1
83329	Acenaphthene	75	%Rec		7/13/12	1
208968	Acenaphthylene	85	%Rec		7/13/12	1
120127	Anthracene	82	%Rec		7/13/12	1
56553	Benzo(a)anthracene	100	%Rec		7/13/12	1
50328	Benzo(a)pyrene	94	%Rec		7/13/12	1
191242	Benzo(g,h,i)perylene	81	%Rec		7/13/12	1
205992	Benzo[b]Fluoranthene	87	%Rec		7/13/12	1
207089	Benzo[k]fluoranthene	88	%Rec		7/13/12	1
218019	Chrysene	91	%Rec		7/13/12	1
53703	Dibenzo[a,h]anthracene	85	%Rec		7/13/12	1
206440	Fluoranthene	94	%Rec		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	86	%Rec		7/13/12	1
91203	Naphthalene	72	%Rec		7/13/12	1
91576	Naphthalene, 2-methyl-	72	%Rec		7/13/12	1
85018	Phenanthrene	83	%Rec		7/13/12	1
129000	Pyrene	91	%Rec		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	81	%Rec		7/13/12	1
1718510	Terphenyl-d14	88	%Rec		7/13/12	1

Sample : 12254309 Matrix Spike#2

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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
Spiked Compounds:						
86737	9H-Fluorene	NAR	%Rec		7/12/12	1
83329	Acenaphthene	NAR	%Rec		7/12/12	1
208968	Acenaphthylene	62	%Rec		7/12/12	1
120127	Anthracene	94	%Rec		7/12/12	1
56553	Benzo(a)anthracene	94	%Rec		7/12/12	1
50328	Benzo(a)pyrene	85	%Rec		7/12/12	1
191242	Benzo(g,h,i)perylene	80	%Rec		7/12/12	1
205992	Benzo[b]Fluoranthene	74	%Rec		7/12/12	1
207089	Benzo[k]fluoranthene	74	%Rec		7/12/12	1
218019	Chrysene	82	%Rec		7/12/12	1
53703	Dibenzo[a,h]anthracene	82	%Rec		7/12/12	1
206440	Fluoranthene	76	%Rec		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	83	%Rec		7/12/12	1
91203	Naphthalene	NAR	%Rec		7/12/12	1
91576	Naphthalene, 2-methyl-	80	%Rec		7/12/12	1
85018	Phenanthrene	NAR	%Rec		7/12/12	1
129000	Pyrene	86	%Rec		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	83	%Rec		7/12/12	1
1718510	Terphenyl-d14	88	%Rec		7/12/12	1

Sample : 12254324 Matrix Spike#2

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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
Spiked Compounds:						
86737	9H-Fluorene	88	%Rec		7/13/12	1
83329	Acenaphthene	82	%Rec		7/13/12	1
208968	Acenaphthylene	92	%Rec		7/13/12	1
120127	Anthracene	86	%Rec		7/13/12	1
56553	Benzo(a)anthracene	102	%Rec		7/13/12	1
50328	Benzo(a)pyrene	96	%Rec		7/13/12	1
191242	Benzo(g,h,i)perylene	82	%Rec		7/13/12	1
205992	Benzo[b]Fluoranthene	89	%Rec		7/13/12	1
207089	Benzo[k]fluoranthene	91	%Rec		7/13/12	1
218019	Chrysene	92	%Rec		7/13/12	1
53703	Dibenzo[a,h]anthracene	86	%Rec		7/13/12	1
206440	Fluoranthene	96	%Rec		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	88	%Rec		7/13/12	1
91203	Naphthalene	76	%Rec		7/13/12	1
91576	Naphthalene, 2-methyl-	76	%Rec		7/13/12	1
85018	Phenanthrene	87	%Rec		7/13/12	1
129000	Pyrene	93	%Rec		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/13/12	1
1718510	Terphenyl-d14	90	%Rec		7/13/12	1

Sample : 66W062212B1 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	7/12/12	1
83329	Acenaphthene	0.031	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/12/12	1
120127	Anthracene	0.031	ug/L	U	7/12/12	1
56553	**Benzo(a)anthracene**	**0.035**	**ug/L**		7/12/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/12/12	1
205992	**Benzo[b]Fluoranthene**	**0.038**	**ug/L**		7/12/12	1
207089	**Benzo[k]fluoranthene**	**0.025**	**ug/L**	J	7/12/12	1
218019	**Chrysene**	**0.034**	**ug/L**		7/12/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/12/12	1
206440	Fluoranthene	0.031	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/12/12	1
91203	Naphthalene	0.031	ug/L	U	7/12/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/12/12	1
85018	Phenanthrene	0.031	ug/L	U	7/12/12	1
129000	Pyrene	0.031	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	82	%Rec		7/12/12	1
1718510	Terphenyl-d14	81	%Rec		7/12/12	1

Sample : 66W062212B2 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	7/12/12	1
83329	Acenaphthene	0.031	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/12/12	1
120127	Anthracene	0.031	ug/L	U	7/12/12	1
56553	**Benzo(a)anthracene**	**0.024**	**ug/L**	J	7/12/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/12/12	1
205992	**Benzo[b]Fluoranthene**	**0.034**	**ug/L**		7/12/12	1
207089	**Benzo[k]fluoranthene**	**0.026**	**ug/L**	J	7/12/12	1
218019	**Chrysene**	**0.024**	**ug/L**	J	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/12/12	1
206440	Fluoranthene	0.031	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/12/12	1
91203	Naphthalene	0.031	ug/L	U	7/12/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/12/12	1
85018	Phenanthrene	0.031	ug/L	U	7/12/12	1
129000	Pyrene	0.031	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		7/12/12	1
1718510	Terphenyl-d14	78	%Rec		7/12/12	1

Sample : 66W062512B1 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	7/13/12	1
83329	Acenaphthene	0.031	ug/L	U	7/13/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/13/12	1
120127	Anthracene	0.031	ug/L	U	7/13/12	1
56553	Benzo(a)anthracene	0.031	ug/L	U	7/13/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/13/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/13/12	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	7/13/12	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	7/13/12	1
218019	Chrysene	0.031	ug/L	U	7/13/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/13/12	1
206440	Fluoranthene	0.031	ug/L	U	7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/13/12	1
91203	Naphthalene	0.031	ug/L	U	7/13/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/13/12	1
85018	Phenanthrene	0.031	ug/L	U	7/13/12	1
129000	Pyrene	0.031	ug/L	U	7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	88	%Rec		7/13/12	1
1718510	Terphenyl-d14	86	%Rec		7/13/12	1

Sample : 66W062512B2 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	7/12/12	1
83329	Acenaphthene	0.031	ug/L	U	7/12/12	1
208968	Acenaphthylene	0.031	ug/L	U	7/12/12	1
120127	Anthracene	0.031	ug/L	U	7/12/12	1
56553	Benzo(a)anthracene	0.031	ug/L	U	7/12/12	1
50328	Benzo(a)pyrene	0.031	ug/L	U	7/12/12	1
191242	Benzo(g,h,i)perylene	0.031	ug/L	U	7/12/12	1
205992	Benzo[b]Fluoranthene	0.031	ug/L	U	7/12/12	1
207089	Benzo[k]fluoranthene	0.031	ug/L	U	7/12/12	1
218019	Chrysene	0.031	ug/L	U	7/12/12	1
53703	Dibenzo[a,h]anthracene	0.031	ug/L	U	7/12/12	1
206440	Fluoranthene	0.031	ug/L	U	7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	0.031	ug/L	U	7/12/12	1
91203	Naphthalene	0.031	ug/L	U	7/12/12	1
91576	Naphthalene, 2-methyl-	0.031	ug/L	U	7/12/12	1
85018	Phenanthrene	0.031	ug/L	U	7/12/12	1
129000	Pyrene	0.031	ug/L	U	7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	83	%Rec		7/12/12	1
1718510	Terphenyl-d14	81	%Rec		7/12/12	1

Sample : 66W062212L1 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	84	%Rec		7/12/12	1
83329	Acenaphthene	82	%Rec		7/12/12	1
208968	Acenaphthylene	88	%Rec		7/12/12	1
120127	Anthracene	86	%Rec		7/12/12	1
56553	Benzo(a)anthracene	100	%Rec		7/12/12	1
50328	Benzo(a)pyrene	94	%Rec		7/12/12	1
191242	Benzo(g,h,i)perylene	90	%Rec		7/12/12	1
205992	Benzo[b]Fluoranthene	92	%Rec		7/12/12	1
207089	Benzo[k]fluoranthene	92	%Rec		7/12/12	1
218019	Chrysene	92	%Rec		7/12/12	1
53703	Dibenzo[a,h]anthracene	89	%Rec		7/12/12	1
206440	Fluoranthene	89	%Rec		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	90	%Rec		7/12/12	1
91203	Naphthalene	80	%Rec		7/12/12	1
91576	Naphthalene, 2-methyl-	76	%Rec		7/12/12	1
85018	Phenanthrene	82	%Rec		7/12/12	1
129000	Pyrene	91	%Rec		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	83	%Rec		7/12/12	1
1718510	Terphenyl-d14	83	%Rec		7/12/12	1

Sample : 66W062512L1 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		7/13/12	1
83329	Acenaphthene	91	%Rec		7/13/12	1
208968	Acenaphthylene	102	%Rec		7/13/12	1
120127	Anthracene	98	%Rec		7/13/12	1
56553	Benzo(a)anthracene	108	%Rec		7/13/12	1
50328	Benzo(a)pyrene	99	%Rec		7/13/12	1
191242	Benzo(g,h,i)perylene	91	%Rec		7/13/12	1
205992	Benzo[b]Fluoranthene	99	%Rec		7/13/12	1
207089	Benzo[k]fluoranthene	90	%Rec		7/13/12	1
218019	Chrysene	98	%Rec		7/13/12	1
53703	Dibenzo[a,h]anthracene	92	%Rec		7/13/12	1
206440	Fluoranthene	97	%Rec		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	93	%Rec		7/13/12	1
91203	Naphthalene	91	%Rec		7/13/12	1
91576	Naphthalene, 2-methyl-	88	%Rec		7/13/12	1
85018	Phenanthrene	90	%Rec		7/13/12	1
129000	Pyrene	95	%Rec		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	90	%Rec		7/13/12	1
1718510	Terphenyl-d14	95	%Rec		7/13/12	1

Sample : 66W062212L2 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	86	%Rec		7/12/12	1
83329	Acenaphthene	84	%Rec		7/12/12	1
208968	Acenaphthylene	94	%Rec		7/12/12	1
120127	Anthracene	94	%Rec		7/12/12	1
56553	Benzo(a)anthracene	103	%Rec		7/12/12	1
50328	Benzo(a)pyrene	93	%Rec		7/12/12	1
191242	Benzo(g,h,i)perylene	85	%Rec		7/12/12	1
205992	Benzo[b]Fluoranthene	93	%Rec		7/12/12	1
207089	Benzo[k]fluoranthene	86	%Rec		7/12/12	1
218019	Chrysene	92	%Rec		7/12/12	1
53703	Dibenzo[a,h]anthracene	86	%Rec		7/12/12	1
206440	Fluoranthene	90	%Rec		7/12/12	1
193395	Indeno(1,2,3-cd)pyrene	85	%Rec		7/12/12	1
91203	Naphthalene	80	%Rec		7/12/12	1
91576	Naphthalene, 2-methyl-	78	%Rec		7/12/12	1
85018	Phenanthrene	85	%Rec		7/12/12	1
129000	Pyrene	91	%Rec		7/12/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		7/12/12	1
1718510	Terphenyl-d14	83	%Rec		7/12/12	1

Sample : 66W062512L2 Lab Control Std#2

Description : Lab Control Standard Dup.

Matrix : Liquid **Weight Basis :** N/A

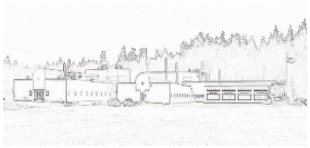
Parameter : PAH

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	84	%Rec		7/13/12	1
83329	Acenaphthene	82	%Rec		7/13/12	1
208968	Acenaphthylene	91	%Rec		7/13/12	1
120127	Anthracene	89	%Rec		7/13/12	1
56553	Benzo(a)anthracene	108	%Rec		7/13/12	1
50328	Benzo(a)pyrene	97	%Rec		7/13/12	1
191242	Benzo(g,h,i)perylene	90	%Rec		7/13/12	1
205992	Benzo[b]Fluoranthene	94	%Rec		7/13/12	1
207089	Benzo[k]fluoranthene	92	%Rec		7/13/12	1
218019	Chrysene	97	%Rec		7/13/12	1
53703	Dibenzo[a,h]anthracene	92	%Rec		7/13/12	1
206440	Fluoranthene	92	%Rec		7/13/12	1
193395	Indeno(1,2,3-cd)pyrene	92	%Rec		7/13/12	1
91203	Naphthalene	80	%Rec		7/13/12	1
91576	Naphthalene, 2-methyl-	78	%Rec		7/13/12	1
85018	Phenanthrene	82	%Rec		7/13/12	1
129000	Pyrene	92	%Rec		7/13/12	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	91	%Rec		7/13/12	1
1718510	Terphenyl-d14	96	%Rec		7/13/12	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016N
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2012T10P303DD210W2LA00

Sample : 12254300

Description : SE02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		7/12/12	1

Sample : 12254301

Description : CW02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		7/12/12	1

Sample : 12254302

Description : P1L-0612+LD
Matrix : Water
Collected : 6/18/2012 11:30:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		7/12/12	1

Sample : 12254303

Description : 02CDMW01-0612
Matrix : Water
Collected : 6/18/2012 1:50:00PM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		7/12/12	1

Sample : 12254304

Description : VG1L-0612
Matrix : Water
Collected : 6/18/2012 1:37:00PM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		7/12/12	1

Sample : 12254305

Description : CW09-0612
Matrix : Water
Collected : 6/18/2012 3:40:00PM

Parameter : TPH-Dx
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**	**0.31**	**mg/L**		7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	94	%Rec		7/12/12	1

Sample : 12254306

Description : P2L0612
Matrix : Water
Collected : 6/18/2012 4:55:00PM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	107	%Rec		7/12/12	1

Sample : 12254307

Description : VG2L-0612
Matrix : Water
Collected : 6/21/2012 12:30:00PM

Parameter : TPH-Dx
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**	**1.4**	**mg/L**		7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		7/13/12	1

Sample : 12254308

Description : MW80-0612
Matrix : Water
Collected : 6/21/2012 12:38:00PM

Parameter : TPH-Dx
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**	**1.7**	**mg/L**		7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	89	%Rec		7/13/12	1

Sample : 12254309

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM

Parameter : TPH-Dx
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**	**0.83**	**mg/L**		7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	109	%Rec		7/12/12	1

Sample : 12254310

Description : MW50-0612
Matrix : Water
Collected : 6/19/2012 11:35:11AM

Parameter : TPH-Dx
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**	**0.72**	**mg/L**		7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		7/12/12	1

Sample : 12254311

Description : CW05-0612
Matrix : Water
Collected : 6/19/2012 10:25:00AM

Parameter : TPH-Dx
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**	**2.7**	**mg/L**		7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		7/12/12	1

Sample : 12254312

Description : P4L-0612
Matrix : Water
Collected : 6/19/2012 10:30:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	107	%Rec		7/12/12	1

Sample : 12254313

Description : VG3L-0612+LD
Matrix : Water
Collected : 6/19/2012 12:35:00PM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	94	%Rec		7/12/12	1

Sample : 12254314

Description : 99CDMW02-0612
Matrix : Water
Collected : 6/19/2012 11:55:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		7/12/12	1

Sample : 12254315

Description : P3L-0612
Matrix : Water
Collected : 6/20/2012 10:07:00AM

Parameter : TPH-Dx
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**	**0.38**	**mg/L**		7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		7/13/12	1

Sample : 12254316

Description : MW70-0612
Matrix : Water
Collected : 6/20/2012 10:40:00AM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		7/13/12	1

Sample : 12254317

Description : 99CDMW04-0612
Matrix : Water
Collected : 6/20/2012 10:50:00AM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	115	%Rec		7/13/12	1

Sample : 12254318

Description : CW12-0612
Matrix : Water
Collected : 6/20/2012 12:05:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	120	%Rec		7/13/12	1

Sample : 12254319

Description : VG5L-0612+LD
Matrix : Water
Collected : 6/20/2012 12:15:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		7/13/12	1

Sample : 12254320

Description : P5L-0612
Matrix : Water
Collected : 6/19/2012 3:20:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	105	%Rec		7/13/12	1

Sample : 12254321

Description : VG4L-0612
Matrix : Water
Collected : 6/19/2012 2:30:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		7/13/12	1

Sample : 12254322

Description : P6L-0612
Matrix : Water
Collected : 6/20/2012 2:35:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	92	%Rec		7/13/12	1

Sample : 12254323

Description : MW21-0612
Matrix : Water
Collected : 6/21/2012 10:15:00AM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		7/13/12	1

Sample : 12254324

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		7/13/12	1

Sample : 12254325

Description : PZ09-0612
Matrix : Water
Collected : 6/21/2012 1:29:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		7/13/12	1

Sample : 12254326

Description : PZ11-0612
Matrix : Water
Collected : 6/20/2012 2:55:00PM

Parameter : TPH-Dx
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**	**0.40**	**mg/L**		7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		7/13/12	1

Sample : 12254302 Sample Duplicate

Description : P1L-0612+LD
Matrix : Water
Collected : 6/18/2012 11:30:00AM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	84	%Rec		7/12/12	1

Sample : 12254307 Sample Duplicate

Description : VG2L-0612
Matrix : Water
Collected : 6/21/2012 12:30:00PM

Parameter : TPH-Dx
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**	**1.8**	**mg/L**		7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		7/13/12	1

Sample : 12254313 Sample Duplicate

Description : VG3L-0612+LD
Matrix : Water
Collected : 6/19/2012 12:35:00PM

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		7/12/12	1

Sample : 12254319 Sample Duplicate

Description : VG5L-0612+LD
Matrix : Water
Collected : 6/20/2012 12:15:00PM

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.19	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		7/13/12	1

Sample : 66W062112B1 Blank

Description : Blank
Matrix : Liquid

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		7/12/12	1

Sample : 66W062112B2 Blank

Description : Blank
Matrix : Liquid

Parameter : TPH-Dx
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	7/12/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		7/12/12	1

Sample : 66W062612B1 Blank

Description : Blank
Matrix : Liquid

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		7/13/12	1

Sample : 66W062612B2 Blank

Description : Blank
Matrix : Liquid

Parameter : TPH-Dx
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	7/13/12	1
*400010	TPH-GC/Motor Oil Range Organics	0.20	mg/L	U	7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	114	%Rec		7/13/12	1

Sample : 66W062112L1 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid

Parameter : TPH-Dx
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	98	%Rec		7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		7/12/12	1

Sample : 66W062612L1 Lab Control Std

Description : Lab Control Standard
Matrix : Liquid

Parameter : TPH-Dx
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	101	%Rec		7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	107	%Rec		7/13/12	1

Sample : 66W062112L2 Lab Control Std#2

Description : Lab Control Standard Dup.
Matrix : Liquid

Parameter : TPH-Dx
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	95	%Rec		7/12/12	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		7/12/12	1

Sample : 66W062612L2 Lab Control Std#2

Description : Lab Control Standard Dup.

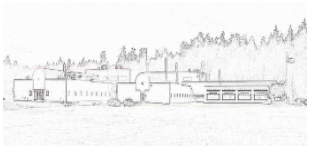
Matrix : Liquid

Parameter : TPH-Dx

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	102	%Rec		7/13/12	1
Surrogate Compounds:						
629992	Pentacosane	108	%Rec		7/13/12	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : WEH-016N
Site : WYCKOFF EAGLE HARBOR GROUND WATER
Contact : Howard Orlean
Account : 2012T10P303DD210W2LA00

Sample : 12254300

Description : SE02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	83	%Rec		7/9/12	1

Sample : 12254301

Description : CW02-0612
Matrix : Water
Collected : 6/18/2012 10:15:00AM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	88	%Rec		7/9/12	1

Sample : 12254302

Description : P1L-0612+LD
Matrix : Water
Collected : 6/18/2012 11:30:00AM
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	0.076	ug/L	U	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	86	%Rec		7/9/12	1

Sample : 12254303

Description : 02CDMW01-0612
Matrix : Water
Collected : 6/18/2012 1:50:00PM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	85	%Rec		7/9/12	1

Sample : 12254304

Description : VG1L-0612
Matrix : Water
Collected : 6/18/2012 1:37:00PM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	82	%Rec		7/9/12	1

Sample : 12254305

Description : CW09-0612
Matrix : Water
Collected : 6/18/2012 3:40:00PM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	82	%Rec		7/9/12	1

Sample : 12254306

Description : P2L0612
Matrix : Water
Collected : 6/18/2012 4:55:00PM
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	0.076	ug/L	U	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		7/9/12	1

Sample : 12254307

Description : VG2L-0612
Matrix : Water
Collected : 6/21/2012 12:30:00PM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	102	%Rec		7/10/12	1

Sample : 12254308

Description : MW80-0612
Matrix : Water
Collected : 6/21/2012 12:38:00PM
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	0.076	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	118	%Rec		7/10/12	1

Sample : 12254309

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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	0.078	ug/L	U	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	84	%Rec		7/9/12	1

Sample : 12254310

Description : MW50-0612
Matrix : Water
Collected : 6/19/2012 11:35:11AM
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	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		7/9/12	1

Sample : 12254311

Description : CW05-0612
Matrix : Water
Collected : 6/19/2012 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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	82	%Rec		7/10/12	1

Sample : 12254312

Description : P4L-0612
Matrix : Water
Collected : 6/19/2012 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	0.076	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	93	%Rec		7/10/12	1

Sample : 12254313

Description : VG3L-0612+LD
Matrix : Water
Collected : 6/19/2012 12:35:00PM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		7/10/12	1

Sample : 12254314

Description : 99CDMW02-0612
Matrix : Water **Weight Basis :** N/A
Collected : 6/19/2012 11:55:00AM

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**	**0.610**	**ug/L**		7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		7/10/12	1

Sample : 12254315

Description : P3L-0612
Matrix : Water **Weight Basis :** N/A
Collected : 6/20/2012 10:07:00AM

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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		7/10/12	1

Sample : 12254316

Description : MW70-0612
Matrix : Water **Weight Basis :** N/A
Collected : 6/20/2012 10:40:00AM

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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	96	%Rec		7/10/12	1

Sample : 12254317

Description : 99CDMW04-0612
Matrix : Water
Collected : 6/20/2012 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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		7/10/12	1

Sample : 12254318

Description : CW12-0612
Matrix : Water
Collected : 6/20/2012 12:05:00PM
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	0.077	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		7/10/12	1

Sample : 12254319

Description : VG5L-0612+LD
Matrix : Water
Collected : 6/20/2012 12:15:00PM
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	0.076	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		7/10/12	1

Sample : 12254320

Description : P5L-0612
Matrix : Water
Collected : 6/19/2012 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	0.076	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		7/10/12	1

Sample : 12254321

Description : VG4L-0612
Matrix : Water
Collected : 6/19/2012 2:30:00PM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	93	%Rec		7/10/12	1

Sample : 12254322

Description : P6L-0612
Matrix : Water
Collected : 6/20/2012 2:35:00PM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	87	%Rec		7/10/12	1

Sample : 12254323

Description : MW21-0612
Matrix : Water
Collected : 6/21/2012 10:15:00AM
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	0.079	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	94	%Rec		7/10/12	1

Sample : 12254324

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		7/10/12	1

Sample : 12254325

Description : PZ09-0612
Matrix : Water
Collected : 6/21/2012 1:29:00PM
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	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		7/10/12	1

Sample : 12254326

Description : PZ11-0612
Matrix : Water
Collected : 6/20/2012 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	0.076	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	94	%Rec		7/10/12	1

Sample : 12254309 Matrix Spike

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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**	**110**	**%Rec**		7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	86	%Rec		7/9/12	1

Sample : 12254324 Matrix Spike

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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**	**110**	**%Rec**		7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		7/10/12	1

Sample : 12254309 Matrix Spike#2

Description : CW15-0612+MS/MSD
Matrix : Water
Collected : 6/19/2012 12:05:00PM
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**	**120**	**%Rec**		7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		7/9/12	1

Sample : 12254324 Matrix Spike#2

Description : PZ03-0612+MS/MSD
Matrix : Water
Collected : 6/21/2012 11:57:00AM
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**	**110**	**%Rec**		7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		7/10/12	1

Sample : 66W062212B1 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	0.080	ug/L	U	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		7/9/12	1

Sample : 66W062212B2 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	0.080	ug/L	U	7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		7/9/12	1

Sample : 66W062512B1 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	0.080	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	79	%Rec		7/10/12	1

Sample : 66W062512B2 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	0.080	ug/L	U	7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		7/10/12	1

Sample : 66W062212L1 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
Spiked Compounds:						
87865	Pentachlorophenol	91	%Rec		7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	90	%Rec		7/9/12	1

Sample : 66W062512L1 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
Spiked Compounds:						
87865	Pentachlorophenol	79	%Rec		7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		7/10/12	1

Sample : 66W062212L2 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
Spiked Compounds:						
87865	Pentachlorophenol	91	%Rec		7/9/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	84	%Rec		7/9/12	1

Sample : 66W062512L2 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
Spiked Compounds:						
87865	Pentachlorophenol	100	%Rec		7/10/12	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		7/10/12	1