LONGHORN ARMY AMMUNITION PLANT KARNACK, TEXAS

ADMINISTRATIVE RECORD

Volume 8 of 8

2013

Bate Stamp Numbers
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Prepared for
Department of the Army
Longhorn Army Ammunition Plant

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LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS
ADMINISTRATIVE RECORD – CHRONOLOGICAL INDEX

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2013

A.	Title:	Meeting Minutes – Longhorn Army Ammunition Plant Monthly Managers' Meeting Minutes
	Author(s):	AECOM Technical Services
	Recipient:	All Stakeholders
	Date:	November 14, 2013
	Bate Stamp:	00189541 – 00189617
B.	Title:	Meeting Minutes – Longhorn Army Ammunition Plant Restoration Advisory Board (RAB) Meeting Minutes
	Author(s):	AECOM Technical Services
	Recipient:	All Stakeholders
	Date:	November 14, 2013
	Bate Stamp:	00189618 – 00189731
C.	Title:	Meeting Minutes – Longhorn Army Ammunition Plant Monthly Managers' Meeting Minutes
	Author(s):	AECOM Technical Services
	Recipient:	All Stakeholders
	Date:	December 10, 2013
	Bate Stamp:	00189732 – 00189750
D.	Title:	Letter - Dispute Resolution under Federal Facilities Agreement (FFA) on Records of Decision (RODs) Sites LHAAP-16 and LHAAP-17, and for MMRP Sites LHAAP-001-R and LHAAP-003-R, Longhorn Army Ammunition Plant, Karnack, Texas
	Author(s):	U.S. Environmental Protection Agency
	Recipient:	U.S. Army Corps of Engineers, Texas Commission on Environmental Quality
	Date:	April 5, 2013
	Bate Stamp:	00189751 – 00189770
E.	Title:	Letter - Dispute Resolution under Federal Facilities Agreement (FFA) on Records of Decision (RODs) Sites LHAAP-16 and LHAAP-17, and for MMRP Sites LHAAP-001-R and LHAAP-003-R, Longhorn Army Ammunition Plant, Karnack, Texas
	Author(s):	U.S. Army Corps of Engineers
	Recipient:	U.S. Environmental Protection Agency
	Date:	April 19, 2013
	Bate Stamp:	00189771 – 00189773

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KARNACK, TEXAS
ADMINISTRATIVE RECORD – CHRONOLOGICAL INDEX

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F.	Title:	Letter - Dispute Resolution under Federal Facilities Agreement (FFA) on Records of Decision (RODs) Sites LHAAP-16 and LHAAP-17, and for MMRP Sites LHAAP-001-R and LHAAP-003-R, Longhorn Army Ammunition Plant, Karnack, Texas
	Author(s):	U.S. Environmental Protection Agency
	Recipient:	U.S. Army Corps of Engineers
	Date:	May 16, 2013
	Bate Stamp:	00189751 – 00189770

LONGHORN ARMY AMMUNITION PLANT
Karnack, Texas

FINAL MONTHLY MANAGERS' MEETING

Minutes

DATE:	November 14, 2013
TIME:	11:00 a.m.
PLACE:	**LHAAP Army Trailer and Teleconference – 866-203-6896, passcode 1759304791**

Welcome **RMZ**

Attendees:

Army BRAC:	Rose Zeiler
EPA:	Rich Mayer, Janetta Coats, Kent Becher-USGS liaison to EPA
TCEQ:	April Palmie
USACE:	Aaron Williams, Rick Smith
USFWS:	Paul Bruckwicki
AECOM:	Dave Wacker, Gretchen McDonnell, Marwan Salameh
AEC:	Marilyn Plitnik, Robin Paul
TMD Technologies Group:	Bridget LaBorde, Robert Whitaker

Ms. Zeiler noted that the October 29, 2013 teleconference meeting between the FFA parties, Tulsa District and AECOM (Ms. Zeiler for Army, Ms. Palmie for TCEQ, Mr. Tzhone for EPA, Mr. Williams for Tulsa District and Ms. McDonnell for AECOM) constituted the October MMM.

Action Items
AECOM

- Provide a summary of the treated water nutrient data in October, after fluidized bed reactor feeding optimization has been implemented.
    1. Optimization plan is in place, but evaluation is not yet complete. Mr. Salameh provided a summary stating that there has been a small increase in nutrient in effluent, so there is a little room for us to adjust down, but it must be done slowly to ensure perchlorate continues to be effectively treated. Best approach is to do an incremental reduction of nutrient load to observe effects on the fluidized bed reactor, and that is the plan going forward. Summer and winter optimizations must be done separately. Last batch of acetic acid was bad and had to be replaced, which delayed initiation of the optimization work. Focus will be on optimization of phosphorus versus nitrogen, since nitrogen is fixed by plants.
    2. Potential impacts of discharge of nutrient-rich effluent to the bayou was the primary concern when the issue of effluent nutrient levels was first brought up by Mr. Becher. Mr. Wacker stated that, water has coincidentally been discharged through the sprinkler system, and not to the bayou, since then.
    3. This nutrient optimization work is a voluntary effort by Army, although the initial evaluation indicates there should be no issue with effluent nutrients in the bayou.
    4. Mr. Becher stated a study has been done indicating ammonia nitrogen helps reduce perchlorate.
    5. AECOM will report on the nutrient optimization work at next MMM.

- Develop a letter responsive to stated aspects of modifications to the GWTP air sampling plan. Provide basis of change from weekly to monthly sampling. State that monthly data will be presented in the quarterly GWTP reports, but that an email notification will be made monthly (before the subsequent sampling event) to indicate that data has been reviewed and providing a summary of the results. Describe a contingency plan for confirmation sampling if initial sampling indicates air limits have been exceeded. **IN PROGRESS.**
- Provide the document distribution table to MMM participants for review to ensure recipients and format preferences are correctly noted. **COMPLETED.**

  The current distribution list was circulated and reviewed/updated by all meeting attendees for their organizations during the MMM.
- Provide USFWS with maps of well coordinates for existing and new wells at all sites under AECOM's contract. **IN PROGRESS**. Survey data is in for LHAAP-37, LHAAP-50, and LHAAP-58, so location data can now be provided for all new wells at these sites along with LHAAP-46, LHAAP-67, and LHAAP-18/24. Due from AECOM at next MMM.
- Include all GWTP air monitoring data in quarterly reports, starting with the 3rd quarter 2013 report. **IN PROGRESS**. Currently awaiting the last of the air analytical data from the quarter, which has a 21-day turn-around time. Prior to the 3rd quarter, air monitoring results were being sent separately. Now, the air monitoring data will be entered into the AR through addition to the quarterly report. AECOM submitted an air data package that covered samples from the start of AECOM work through the 2nd quarter of 2013 to add those results in the AR. AECOM is developing a package of surface water and perimeter data for addition to the AR. Going forward, for surface water and perimeter data, AECOM will generate a memo to USACE with the new data for addition to the AR. Ms. Palmie wanted to ensure that the data appended to the MMM minutes was also placed in the AR in a way that would be logical for someone to find when searching for sampling data.
- Evaluate/consider whether surface application of treated groundwater should be implemented at a higher rate to encourage flushing of contaminants. **IN PROGRESS**. Mr. Wacker stated that surface application has been primary mode of discharge recently, due to lack of water in Harrison Bayou. Ms. Palmie stated that a quarterly report suggested surface application of water appeared to be flushing contamiantion out of the vadose zone, and she wondered if we should be looking at doing more surface application of effluent to encourage flushing. Consideration of using surface application strategically to flush vadose zone impacts should be added in the Feasibility Study analysis. Mr. Becher stated that he disagrees with surface application due to the potential for creating hydraulic head.

Army

- Combine decision documents for LHAAP-19 and LHAAP-56, -65, and -69 before returning them to TCEQ, for TCEQ staffing purposes. **IN PROGRESS.**
- Provide USFWS with map of well coordinates for new wells (specifically, LHAAP-35B(37), LHAAP-35A(58), LHAAP-46, LHAAP-50 and LHAAP-67) and existing wells on transferred properties. **IN PROGRESS.**
- Update LUC Management Plan by end of fiscal year. COMPLETE. Signatures were gathered from TCEQ, EPA on a document control sheet indicating that no update was needed for this year.

EPA

- Provide summarized EPA chemist comments on 1,4-dioxane analyses. **COMPLETE.** Submitted November 13, 2013. Mr. Mayer will try to set up a call to discuss the chemist comments.

Mr. Mayer stated that EPA's 5-Year Review report comments should be submitted by next week. Ms. Zeiler does not believe achieving a signature date for the document within the year is possible at this point.

TCEQ

AEC

LHAAP-35B(37) Bioplug Study Presentation

Bridger LaBorde and Robert Whittaker of TMD Technologies Group (TMD) provided a summary of the data generated by the LHAAP-35B(37) bioplug study. June 2013 sampling did not show any significant trend or improvement, but September 2013 did show some reductions. Slow progress is likely due to slow horizontal flow rates across the site, which causes delays in dispersion of the microbes.

-The area of MW 1-1 and MW 1-2 shows significant reductions in trichloroethylene from June 2013 to September 2013.

-TMD requested data from new wells installed at LHAAP-37 to help with their analysis. AECOM will transmit borehole logs to TMD.

-First injection was October 2012, so September 2013 data was the fourth quarter of results.

-Not expecting dramatic results in the next sampling event. Focus is on positive trends.

-Aberdeen Test Center scheduled to be out in December to do groundwater testing. Unknown if ATC will sample any of the new wells as part of this event.

Defense Environmental Restoration Program (DERP) PBR Update **AECOM**

- Upcoming document submissions to regulators (see Document and Issue Tracking table)

Item 1 (5-Year Review) – Awaiting EPA comments, anticipated early next week. A schedule will be established once extent of comments is assessed.

Item 2 (SOPs) – Agency comments have been received and RTCs are in progress.

Mr. Wacker addressed one comment relating to EPA comments on surface water sampling procedures. As proposed in the work plans as a resolution to surface water impact assessment questions, grab samples will be collected during precipitation events, as there is often not water in the surface water bodies except for soon after precipitation. However, the EPA comments on the SOPs included multiple comments stating that grab water samples were not acceptable, but significant supporting documentation must also be collected. Mr. Becher stated that the connection between groundwater and surface water should be established for each surface water sample collected, and that having a concentration is not valid without supporting data. Mr. Mayer stated that they just want samples taken when there could be surface water impacts.

Ms. Zeiler asked Mr. Becher how having the supporting data establishing the relationship between surface water and groundwater will change remedy implementation. Mr. Becher stated that the additional information might be used to decrease monitoring, but is more for confidence and continued characterization. Ms. Zeiler stated that surface water sampling is already very limited and will not persist beyond two years, so collection of the data to decrease monitoring is probably of limited benefit. With respect to use of the information for continued characterization, Ms. Plitnik noted that we are beyond the characterization phase of these projects, so collection of the data for

continued characterization is not supported. Ms. Paul stated that there approved RODs are already in place, so AEC cannot fund further characterization activities.

Mr. Becher stated there is a data gap with respect to this issue. Ms. Plitnik stated that the issue will be reviewed in the CERCLA 5-year review.

Mr. Mayer stated that EPA will provide Army with a starting point approach/SOP for discussion with Army.

Item 3 (IWWP, QAPP, and HASP) - RTCs for EPA comments in progress. TCEQ will review their RTCs and verify that all TCEQ comments have been adequately addressed.

Item 4 (LHAAP-18/24 – Explanation of Significant Differences) – Document is relatively close to complete.

Item 5 (GWTP Quarterly Report) – Awaiting EPA comments on the 2nd quarter report. 3rd quarter is being developed, awaiting air data for inclusion.

Item 6 (LHAAP-46, LHAAP-67 RACR) – These reports are in progress. Mr. Wacker provided a discussion of the information to be shared at the November RAB meeting.

LHAAP-46: The shallow plume has been bounded, with a slight change in the plume shape. Dry wells do not appear to be an issue as historical data also supports the current plume configuration. The intermediate plume requires another well on the north side to be completed bounded. Before the LUC boundary is proposed, the additional well must be installed and sampled to ensure the boundary is drawn to contain the entire plume. The plume area is ~1500 feet south of Caddo Lake WSC #2, with Caddo Lake WSC #1 farther northwest.

LHAAP-67: Additional DPT work was done to determine placement of an additional well to the west. An additional well placed at a clean DPT location west of St. Ignatius Street to bound the plume.

Item 7 (Monthly Managers Meeting) – Scheduled for December 10th at 9AM, by teleconference.

Item 8 (LHAAP-37, 50, and 58 RACRs) – In progress. Mr. Wacker provided a discussion of the information to be shared at the November RAB meeting.

LHAAP-50: A summary of the soil excavation and confirmation sampling layout will be presented.

LHAAP-58: Injection of microbial culture was completed this week. Substrate was injected 4-5 weeks ago.

Item 9 (LHAAP-29 PSI WP) – Additional field work is planned pending approval of work plans.

The October 29th MMM teleconference (Steve Tzhone – EPA, April Palmie – TCEQ, Getchen MacDonnell- AECOM, Rose Zeiler – LHAAP, Aaron Williams – Tulsa District) included a LHAAP-29 discussion regarding moving forward on the PSI. Two things were noted by Army during that teleconference. The first was that AECOM suggested that the selected remedy in the Site 29 Draft ROD might not be as effective depending on the size of the DNAPL plume and that another remedy (thermal treatment) should be evaluated. Army noted that an independent Army opinion was required and had already been solicited, but not yet received. The second was that the scope of proposed additional work was reviewed by AEC and AEC Legal and it was determined that the RI/FS for Site 29 would have to be reopened. During the teleconference, it was suggested

by Steve Tzhone that an "addendum" to the existing RI/FS be used to incorporate the findings of the additional work.

Since that time, the USACE Center of Excellence-Omaha provided an independent Army opinion that the selected remedy of in situ chemical oxidation might not be as effective in treating the DNAPL and concurred that thermal treatment of impacted soils should be evaluated, given the agreed trigger level for methylene chloride. There are still a few questions Army needs to answer and tightening up the nature and extent of the plume is required to better determine the mass of contamination. Instead of a PSI, the proposed work will be called a RI/FS Addendum workplan. If the remedy changes as a result of the RI/FS Addendum findings, the Proposed Plan must be modified. Army will provide a letter to the agencies describing the work planned. The RI addendum work plan will include soil gas survey, soil sampling, CPT/MIP, three new wells, and possibly soil resistivity testing.

Items 10-11(LHAAP-17 PDI WP and LHAAP-16 RD WP) – Placeholders for sites impacted by dispute.

Item 12 (LHAAP-18/24 Data Gap Report and Revised FS) – An on-board meeting to discuss planned responses to agency comments on this document will be held immediately after this MMM. Because this report is a secondary document and there is no opportunity for follow-on comments or dispute resolution, Army wishes to address comment resolution as fully as possible during the 30-day response period which ends on the 22nd of November. Any significant remaining comments not addressed during this period can be addressed in the context of the FS.

Item 13 (LHAAP-03 ROD) - Awaiting EPA comments. The due date for this document has been changed to November 30th based on EPA's extension request.

Item 14 (November RAB) – Army will propose February 20th (third Thursday) to the RAB as the next RAB meeting date.

Item 15 (GWTP O&M/Air Monitoring) - standard operating activities occurring

Item 16 (Admin Record Update) – The 3rd quarter FY2013 update should be to agencies for review by mid-December.

Item 17 (BERA Addendum) -no update

Item 18 (Nutrient Issue for HB and INF) – discussed previously

Item 19 (LUC Mgmt Plan) - discussed previously

Item 20 (CRP) – Responses to comments on the CRP will be reviewed with the RAB tonight.

A slide showing schedule impacts of the dispute between Army and EPA has been prepared for discussion at the November RAB.

Schedule Next Managers' Meeting - Scheduled earlier in the meeting for December 10th at 9AM, by teleconference.

Adjourn

Attachment: LHAAP Previously Unsubmitted Data Validated July 2012 – November 2013
-GWTP Influent and Effluent
-GWTP Air
-Annual Surface Water and Perimeter Groundwater and Monitoring Event
-LHAAP-12 Annual Compliance Event
-LHAAP-16 Annual Compliance Event
-LHAAP-16 Pre-Design Sampling Event
-LHAAP-18/24 Semi-Annual Compliance Event
-LHAAP-35B(37) RAWP Field Data – Hydropunch Groundwater
-LHAAP-35A(58) RAWP Field Data – Hydropunch Groundwater
-LHAAP-46 Quarterly MNA Groundwater Event
-LHAAP-50 RAWP Field Data – Hydropunch Groundwater
-LHAAP-67 Quarterly MNA Groundwater Event
-LHAAP-67 RAWP Field Data – Hydropunch Groundwater

ACRONYM LIST

AEC	**United States Army Environmental Command**
AECOM	**AECOM Technology Services, Inc.**
AP	**April Palmie**
AR	**Administrative Record**
ATC	**Aberdeen Test Center**
BERA	**Baseline Ecological Risk Assessment**
BRAC	**Base Realignment and Closure**
CPT/MIP	**Cone Penetrometer Testing / Membrane Interface Probe**
CRP	**Community Relations Plan**
DERP	**Defense Environmental Restoration Program**
DPT	**Direct Push Technology**
EPA	**United States Environmental Protection Agency**
FFA	**Federal Facility Agreement**
FS	**Feasibility Study**
FY	**Fiscal Year**
GWTP	**Ground Water Treatment Plant**
HASP	**Health and Safety Plan**
HB	**Harrison Bayou**
INF	**Intermediate-Range Nuclear Forces**
IWWP	**Installation Wide Work Plan**
LHAAP	**Longhorn Army Ammunition Plant**
LUC	**Land Use Control**
MMM	**Monthly Managers' Meeting**
MMRP	**Military Munitions Response Program**
O&M	**Operation and Maintenance**
PB	**Paul Bruckwicki**
PBR	**Performance-Based Remediation**
PSI	**Post Screening Investigation**

QAPP	**Quality Assurance Project Plan**
RAB	**Restoration Advisory Board**
RACR	**Remedial Action Completion Report**
RAWP	**Remedial Action Work Plan**
RD	**Remedial Design**
RI	**Remedial Investigation**
RI/FS	**Remedial Investigation / Feasibility Study**
RM	**Rich Mayer**
RMZ	**Rose M. Zeiler**
ROD	**Record of Decision**
RTC	**Response to Comments**
SOP	**Standard Operating Procedure**
TCEQ	**Texas Commission on Environmental Quality**
USACE	**United States Army Corps of Engineers**
USFWS	**United States Fish and Wildlife Service**
WP	**Work Plan**
WSC	**Water Supply Corporation**

Location ID: Date Sampled: Site ID:	Units	LH18/24-SP140-7003-GRAB 9/11/2012 Spigot	LH 18/24-SP140-7010 GRAB 10/1/2012 Spigot	LH18/24-SP140-7022-GRAB 11/5/2012 Spigot	LH18/24-SP650-6000-GRAB 7/30/2012 Spigot	LH18/24-SP650-6000-GRABDUP 7/31/2012 Spigot	LH18/24-SP650-6001-GRAB 8/2/2012 Spigot	LH18/24-SP650-6004-GRAB 9/11/2012 Spigot	LH18/24-SP650-6004-GRABDUP 9/12/2012 Spigot
ID Location:		GWTP – Collected from a spigot on the discharge of TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	50.8	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	33	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	2.4 J+	2.427323	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	4.47	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	2.94	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	NA	NA	NA	<0.1 U	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	<0.005 U	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	0.363	NA	NA
SELENIUM	mg/L	NA	NA	NA	NA	NA	<0.01 U	NA	NA
SILVER	mg/L	NA	NA	NA	NA	NA	<0.005 U	<0.001 U	NA
ANTIMONY	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	NA	NA	NA	NA	NA	0.00347 J	NA	NA
BARIUM	mg/L	NA	NA	NA	NA	NA	1.24	NA	NA
CADMIUM	mg/L	NA	NA	NA	NA	NA	<0.003 U	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	0.0095 J	NA	NA
LEAD	mg/L	NA	NA	NA	NA	NA	<0.005 U	<0.001 U	NA
MANGANESE	mg/L	NA	NA	NA	NA	NA	0.887	NA	NA
NICKEL	mg/L	NA	NA	NA	NA	NA	0.0204 J	NA	NA
THALLIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	<0.005 U	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	<0.125 U	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	7530	10400	19500	<0.2 U	NA	NA	8.18	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	<0.01 UJ	<0.01 UJ
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	7.98 J	10.3 J	12.5 J	NA	NA	<0.25 U	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	66.1	93.8	92 J	NA	NA	<1 U	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<7.5 U	<7.5 U	<15 U	NA	NA	<0.3 U	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<50 U	<50 U	<100 U	NA	NA	<2 UJ	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	23.4 J	25.1	36.6 J	NA	NA	0.307 J	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
2-BUTANONE	ug/L	<125 U	<125 U	<250 U	NA	NA	<5 U	<5 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<100 U	<100 U	NA	NA	NA	<4 U	<4 U	NA
2-CHLOROTOLUENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
2-HEXANONE	ug/L	<125 U	<125 U	<250 U	NA	NA	<5 UJ	<5 U	NA
4-CHLOROTOLUENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<125 U	<125 U	<250 U	NA	NA	<5 U	<5 U	NA
ACETONE	ug/L	<125 U	<125 U	<250 U	NA	NA	<5 U	<5 UJ	NA
BENZENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
BROMOBENZENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
BROMOFORM	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
BROMOMETHANE	ug/L	<25 U	<25 UJ	<50 U	NA	NA	<1 U	<1 U	NA
CARBON DISULFIDE	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
CHLOROBENZENE	ug/L	3.9 J	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
CHLOROETHANE	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
CHLOROFORM	ug/L	12.1 J	18 J	22 J	NA	NA	<0.25 U	<0.25 U	NA
CHLOROMETHANE	ug/L	<25 U	<25 UJ	<50 U	NA	NA	<1 U	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	3140	3860	3530	NA	NA	5.24	3.56	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
DIBROMOMETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
ETHYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
m,p-Xylene	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
METHYLENE CHLORIDE	ug/L	5000	548	54.4	NA	NA	<0.5 U	<0.5 U	NA
NAPHTHALENE	ug/L	<10 U	<10 U	<20 U	NA	NA	<0.4 U	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
O-XYLENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
STYRENE	ug/L	<6.25 U	<6.25 U	<12.5 U	NA	NA	<0.25 U	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
TETRACHLOROETHENE	ug/L	20.5 J	36.1	30.9 J	NA	NA	<0.5 U	<0.5 U	NA
TOLUENE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	12 J	14.9 J	16.2 J	NA	NA	<0.5 U	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<25 U	<25 U	<50 U	NA	NA	<1 U	<1 U	NA
TRICHLOROETHENE	ug/L	5290	6860	7330	NA	NA	1.6	1.41	NA
TRICHLOROFLUOROMETHANE	ug/L	<12.5 U	<12.5 U	<25 U	NA	NA	<0.5 U	<0.5 U	NA
VINYL ACETATE	ug/L	<125 U	<125 U	NA	NA	NA	<5 U	<5 U	NA
VINYL CHLORIDE	ug/L	113	63.1	35.7 J	NA	NA	26.3	6.61	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	1140	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	8.66 J	NA

Location ID: Date Sampled: Site ID:	Units	LH18/24-SP650-6006-GRAB 9/19/2012 Spigot	LH18/24-SP650-6006-GRABDUP 9/20/2012 Spigot	LH18/24-SP650-6008-COMP 9/24/2012 Holding Jar/Spigot	LH18/24-SP650-6008-GRAB 9/24/2012 Spigot	LH18/24-SP650-6008-GRABDUP 9/25/2012 Spigot	LH18/24-SP650-6009-GRAB 10/1/2012 Spigot	LH 18/24-SP650-6009-GRAB 10/1/2012 Spigot	LH 18/24-SP650-6009-GRABDUP 10/2/2012 Spigot
ID Location:		GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly
Ammonia (350.1)									
AMMONIA AS N	mg/L	47.5	NA	NA	NA	NA	NA	10.4	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	12.9	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	1.99 J+	2	NA	NA	NA	NA	1.37 J+	1.37
Phosphorous (365.4)									
PHOSPHORUS	mg/L	4.84	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	4.22	NA	NA	NA	NA	NA	1.74 J	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	mg/L	NA	NA	<0.001 U	<0.001 U	NA	NA	NA	NA
ANTIMONY	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	mg/L	NA	NA	<0.001 U	<0.001 U	NA	NA	NA	NA
MANGANESE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	8.92 J+	NA	<0.2 U	<0.2 U	NA	<0.2 U	NA	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	<0.01 UJ	<0.01 UJ	<0.01 UJ	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	ug/L	NA	NA	NA	<0.3 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	NA	NA	<2 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
2,2-DICHLOROPROPANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
2-BUTANONE	ug/L	NA	NA	NA	<5 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	NA	<4 U	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
2-HEXANONE	ug/L	NA	NA	NA	<5 U	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	ug/L	NA	NA	NA	<5 U	NA	NA	NA	NA
ACETONE	ug/L	NA	NA	NA	<5 U	NA	NA	NA	NA
BENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
BROMOBENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
BROMOFORM	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
BROMOMETHANE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
CARBON DISULFIDE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
CHLOROBENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
CHLOROETHANE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
CHLOROFORM	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
CHLOROMETHANE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	ug/L	NA	NA	NA	3.34	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
DIBROMOMETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
ETHYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
ISOPROPYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
m,p-Xylene	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
NAPHTHALENE	ug/L	NA	NA	NA	<0.4 U	NA	NA	NA	NA
N-BUTYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
N-PROPYLBENZENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
O-XYLENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
P-ISOPROPYLTOLUENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
STYRENE	ug/L	NA	NA	NA	<0.25 U	NA	NA	NA	NA
TERT-BUTYLBENZENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
TETRACHLOROETHENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
TOLUENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	NA	NA	<1 U	NA	NA	NA	NA
TRICHLOROETHENE	ug/L	NA	NA	NA	1.67	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	ug/L	NA	NA	NA	<0.5 U	NA	NA	NA	NA
VINYL ACETATE	ug/L	NA	NA	NA	<5 U	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	NA	NA	NA	5.04	NA	NA	NA	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	983	979	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	22.7	22.6	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	LH 18/24-SP650-6010 GRAB 10/1/2012 Spigot	LH18/24-SP650-6013-COMP 10/8/2012 Holding Jar/Spigot	LH18/24-SP650-6013-GRAB 10/8/2012 Spigot	LH18/24-SP650-6013-GRABDUP 10/9/2012 Spigot	LH18/24-SP650-6015-GRAB 10/15/2012 Spigot	LH18/24-SP650-6018-COMP 10/22/2012 Holding Jar/Spigot	LH18/24-SP650-6018-GRAB 10/22/2012 Spigot	LH18/24-SP650-6018-GRABDUP 10/23/2012 Spigot
ID Location:		GWTP – Collected from a spigot on the discharge of TK-650 Sampled Monthly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	4.76	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	1.15	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	6.68	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	mg/L	NA	<0.01 U	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA
SILVER	mg/L	NA	<0.001 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA
ANTIMONY	mg/L	<0.001 U	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	0.00341	NA	NA	NA	NA	NA	NA	NA
BARIUM	mg/L	0.456	NA	NA	NA	NA	NA	NA	NA
CADMIUM	mg/L	0.00535	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	mg/L	NA	<0.001 U	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA
MANGANESE	mg/L	0.11	NA	NA	NA	NA	NA	NA	NA
NICKEL	mg/L	0.00704 J	NA	NA	NA	NA	NA	NA	NA
THALLIUM	mg/L	<0.0002 U	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	NA	<0.2 U	<0.2 U	NA	<0.2 U	<0.2 UJ	<0.2 UJ	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	NA	NA	<0.3 U	NA	NA	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	NA	<2 U	NA	NA	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
2-BUTANONE	ug/L	NA	NA	<5 U	NA	NA	NA	<5 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
2-HEXANONE	ug/L	NA	NA	<5 U	NA	NA	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	NA	NA	<5 U	NA	NA	NA	<5 U	NA
ACETONE	ug/L	NA	NA	3.85 J	NA	NA	NA	2.88 J	NA
BENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
BROMOBENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
BROMOFORM	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
BROMOMETHANE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
CARBON DISULFIDE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
CARBON TETRACHLORIDE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
CHLOROETHANE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
CHLOROFORM	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	NA	NA	2.79	NA	NA	NA	3.26	NA
CIS-1,3-DICHLOROPROPENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
m,p-Xylene	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
NAPHTHALENE	ug/L	NA	NA	<0.4 U	NA	NA	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
O-XYLENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
STYRENE	ug/L	NA	NA	<0.25 U	NA	NA	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
TOLUENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	NA	<1 U	NA	NA	NA	<1 U	NA
TRICHLOROETHENE	ug/L	NA	NA	1.17	NA	NA	NA	1.26	NA
TRICHLOROFLUOROMETHANE	ug/L	NA	NA	<0.5 U	NA	NA	NA	<0.5 U	NA
VINYL ACETATE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	NA	NA	3.83	NA	NA	NA	3.1	NA
Anions (9056)									
CHLORIDE	mg/L	NA	709	704	NA	NA	571	513	NA
SULFATE	mg/L	NA	15.7	15.6	NA	NA	23.8	22.4	NA

Location ID: Date Sampled: Site ID:	Units	LH18/24-SP650-6020-GRAB 10/29/2012 Spigot	LH18/24-SP650-6020-GRABDUP 10/31/2012 Spigot	LH18/24-SP650-6023-COMP 11/5/2012 Holding Jar/Spigot	LH18/24-SP650-6023-COMPDUP 11/6/2012 Holding Jar/Spigot	LH18/24-SP650-6023-GRAB 11/5/2012 Spigot	LH18/24-SP650-6025-GRAB 11/12/2012 Spigot	LH18/24-SP650-6025-GRABDUP 11/14/2012 Spigot	LH18/24-SP650-6027-COMP 11/19/2012 Holding Jar/Spigot
ID Location:		GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Daily and Biweekly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on TK-650 every couple of hours Sampled Daily and Biweekly
Ammonia (350.1)									
AMMONIA AS N	mg/L	7.81	NA	NA	NA	NA	5.45	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	1.24 J+	1.24	NA	NA	NA	1.04 J+	1.05	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	5.06	NA	NA	NA	NA	5.56	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	mg/L	NA	NA	<0.01 U	NA	<0.01 U	NA	NA	<0.01 U
SILVER	mg/L	NA	NA	<0.001 U	NA	<0.001 U	NA	NA	<0.001 U
ANTIMONY	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	mg/L	NA	NA	<0.001 U	NA	<0.001 U	NA	NA	<0.001 U
MANGANESE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	NA	<0.2 U	NA	<0.2 U	<0.2 U	NA	<0.2 U
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	<0.01 UJ	<0.01 UJ	<0.01 UJ	NA	NA	<0.01 UJ
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,1-DICHLOROETHANE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
1,1-DICHLOROETHENE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
1,1-DICHLOROPROPENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.3 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	NA	NA	NA	<2 U	NA	NA	NA
1,2-DIBROMOETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,2-DICHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
1,2-DICHLOROETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,2-DICHLOROPROPANE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,3-DICHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
1,3-DICHLOROPROPANE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
1,4-DICHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
2,2-DICHLOROPROPANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
2-BUTANONE	ug/L	NA	NA	NA	NA	<5 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
2-HEXANONE	ug/L	NA	NA	NA	NA	<5 U	NA	NA	NA
4-CHLOROTOLUENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
4-METHYL-2-PENTANONE	ug/L	NA	NA	NA	NA	<5 U	NA	NA	NA
ACETONE	ug/L	NA	NA	NA	NA	<5 U	NA	NA	NA
BENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
BROMOBENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
BROMOCHLOROMETHANE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
BROMODICHLOROMETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
BROMOFORM	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
BROMOMETHANE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
CARBON DISULFIDE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
CARBON TETRACHLORIDE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
CHLOROBENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
CHLOROETHANE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
CHLOROFORM	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
CHLOROMETHANE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	ug/L	NA	NA	NA	NA	2.73	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
DIBROMOCHLOROMETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
DIBROMOMETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
ETHYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
HEXACHLOROBUTADIENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
ISOPROPYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
m,p-Xylene	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
METHYLENE CHLORIDE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
NAPHTHALENE	ug/L	NA	NA	NA	NA	<0.4 U	NA	NA	NA
N-BUTYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
N-PROPYLBENZENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
O-XYLENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
P-ISOPROPYLTOLUENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
SEC-BUTYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
STYRENE	ug/L	NA	NA	NA	NA	<0.25 U	NA	NA	NA
TERT-BUTYLBENZENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
TETRACHLOROETHENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
TOLUENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	NA	NA	NA	<1 U	NA	NA	NA
TRICHLOROETHENE	ug/L	NA	NA	NA	NA	0.852 J	NA	NA	NA
TRICHLOROFLUOROMETHANE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
VINYL ACETATE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	626	NA	625	NA	NA	855
SULFATE	mg/L	NA	NA	13.7	NA	13.5	NA	NA	18.4

Location ID: Date Sampled: Site ID:	Units	LH18/24-SP650-6027-GRAB 11/19/2012 Spigot	LH18/24-SP650-6027-GRABDUP 11/20/2012 Spigot	102-260912 9/26/2012 18/24 MW	109-260912 9/26/2012 MW	123-021012 10/2/2012 MW	126-240912 9/24/2012 MW	129-011012 10/1/2012 MW	18WW02-280912 9/28/2012 MW
ID Location:		GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	GWTP – Collected from a spigot on the discharge of TK-650 Sampled Daily and Biweekly	Site 18/24 – S just inside the fence line Sampled Semi-Annually	Site 18/24 – NE, just inside the fence line Sampled Semi-Annually	Site 18/24 – NW inside the fence line outer region Sampled Semi-Annually	Site 18/24 – SE, on right side of road as you turn toward Site 18/24 entrance Sampled Once	Site 18/24 – SW, just inside the fence line Sampled Once	Site 18/24 Sampled Once
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	0.449	0.0543 J	0.209	0.229	0.638 J	1.57
COBALT	mg/L	NA	NA	0.00338	<0.001 U	0.0011 J	0.0255	0.00133 J	<0.02 U
IRON	mg/L	NA	NA	0.542	0.113 J	0.156 J	0.471 J+	0.712 J	1.81
SELENIUM	mg/L	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.001 U	NA	<0.001 U	<0.001 U	<0.01 U	<0.001 U	<0.01 U	<0.01 U
ANTIMONY	mg/L	NA	NA	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00168 J	0.00118 J
ARSENIC	mg/L	NA	NA	<0.001 U	0.000743 J	0.000798 J	0.0138	0.00229	0.0109 J+
BARIUM	mg/L	NA	NA	0.197 J+	0.231 J+	0.588	9.27	0.312 J	0.0928 J+
CADMIUM	mg/L	NA	NA	<0.0006 U	<0.0006 U	<0.0006 U	0.00035 J	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	NA	NA	<0.002 U	0.00122 J	0.00177 J	0.00316 J	0.00268 J	0.00634
LEAD	mg/L	<0.001 U	NA	0.000505 J	<0.001 U	<0.001 U	<0.001 U	0.000579 J	0.00892
MANGANESE	mg/L	NA	NA	0.0179 J+	0.0207 J+	0.00678	0.36	0.03 J	0.0409
NICKEL	mg/L	NA	NA	0.00861 J+	<0.004 U	0.00683 J	0.028	0.00645 J	0.00834
THALLIUM	mg/L	NA	NA	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	NA	NA	0.00129 J	0.0015 J	0.000817 J	0.00552	0.00204	0.00554
ZINC	mg/L	NA	NA	0.0127 J	<0.025 U	<0.025 U	0.0432 J	<0.025 U	0.0509
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	NA	326 J	16200	18.5	<0.2 U	3530 J	<0.2 U
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	<0.01 UJ	<0.01 UJ	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	0.296 J	<0.5 U	<0.5 U	<5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	<0.25 U	3.43	<0.25 U	<0.25 U	<2.5 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	NA	<1 U	14	<1 U	<1 U	<10 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	<2 U	<2 U	<2 U	<20 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	14.9	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	<4 U	<4 U	<4 U	<4 U	<40 UJ	<4 U
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
2-HEXANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U
ACETONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U
BENZENE	ug/L	<0.25 U	NA	<0.25 U	0.178 J	<0.25 U	<0.25 U	<2.5 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
BROMOFORM	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
BROMOMETHANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
CHLOROFORM	ug/L	<0.25 U	NA	<0.25 U	5.1	<0.25 U	<0.25 U	6.96 J	<0.25 U
CHLOROMETHANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	2.52	NA	<0.5 U	287	0.261 J	<0.5 U	5.68 J	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
m,p-Xylene	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
STYRENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	2.49	<0.5 U	<0.5 U	<5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	5.34	<0.5 U	<0.5 U	<5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U
TRICHLOROETHENE	ug/L	0.701 J	NA	<0.5 U	1310	12.3	<0.5 U	1340 J	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	0.392 J	<0.5 U	<0.5 U	<5 U	<0.5 U
VINYL ACETATE	ug/L	NA	NA	<5 U	<5 U	<5 U	<5 UJ	<50 U	<5 U
VINYL CHLORIDE	ug/L	2.71	NA	<0.5 U	3.4	<0.5 U	<0.5 U	<5 U	<0.5 U
Anions (9056)									
CHLORIDE	mg/L	822	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	19.2	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	18WW02-280912F 9/28/2012 MW	18WW03-270912 9/27/2012 MW	18WW03-270912F 9/27/2012 MW	18WW04-021012 10/2/2012 MW	18WW06-280912 9/28/2012 MW	18WW06-280912F 9/28/2012 MW	18WW07-280912 9/28/2012 MW	18WW08-260912 9/26/2012 MW
ID Location:		Site 18/24 Sampled Once	Site 18/24 – E, outside the fence line Sampled Once	Site 18/24 – E, outside the fence line Sampled Once	Site 18/24 – NNE, outside the fence line, on left side of road heading back into the woods Sampled Once	Site 18/24 – W, just outside the fence line Sampled Once	Site 18/24 – W, just outside the fence line Sampled Once	Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – NNW, outside the fence line Sampled Semi-Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	0.177 J	<0.1 U	<0.1 U	0.0627 J	0.369	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	<0.02 U	<0.001 U	0.00298	0.000963 J	<0.02 U	<0.02 U	<0.02 U	0.0263
IRON	mg/L	0.108 J	9.49	6.49	1.7	37 J+	43.9 J+	0.117 J	1.96
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.001 U
ANTIMONY	mg/L	0.00108 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.0107 J+	0.00245	0.00187 J	0.00171 J	0.00354 J+	0.00397 J+	0.000768 J	0.00259
BARIUM	mg/L	0.0475 J+	0.381	0.358	0.081	0.247 J+	0.298 J+	0.162 J+	0.1 J+
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	0.00189 J	0.091	0.00121 J	0.00373 J	0.0968	0.00143 J	0.0108	0.00317 J
LEAD	mg/L	0.00122 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	0.0102	0.193	0.176	0.169 J	0.577	0.71	0.256	1.17 J+
NICKEL	mg/L	<0.004 U	0.00218 J	<0.004 U	0.00932	0.139	0.0867	0.00406 J	0.0333 J+
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.0028	0.00337	0.000566 J	0.00073 J	0.0042	0.000787 J	0.00129 J	0.00184 J
ZINC	mg/L	<0.025 U	<0.025 U	<0.025 U	0.0269 J	<0.025 U	<0.025 U	<0.025 U	0.0173 J
Perchlorate (6850)									
PERCHLORATE	ug/L	NA	<0.2 U	NA	<0.2 U	<0.2 U	NA	<0.2 U	2080 J
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	0.569 J
1,1-DICHLOROETHENE	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	NA	<0.3 U	NA	<0.3 U	<0.3 U	NA	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	<2 U	NA	<2 U	<2 U	NA	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
2-BUTANONE	ug/L	NA	<5 U	NA	<5 U	<5 U	NA	<5 U	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	NA	<4 U	NA	<4 U	<4 U	NA	<4 U	<4 U
2-CHLOROTOLUENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
2-HEXANONE	ug/L	NA	<5 U	NA	<5 U	<5 U	NA	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	NA	<5 U	NA	<5 U	<5 U	NA	<5 U	<5 U
ACETONE	ug/L	NA	<5 U	NA	<5 U	<5 U	NA	<5 U	<5 U
BENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
BROMOFORM	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
BROMOMETHANE	ug/L	NA	<1 UJ	NA	<1 U	<1 U	NA	<1 U	<1 U
CARBON DISULFIDE	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
CHLOROFORM	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	NA	<1 UJ	NA	<1 U	<1 U	NA	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	2.03
CIS-1,3-DICHLOROPROPENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
m,p-Xylene	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
O-XYLENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
STYRENE	ug/L	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	<1 U	NA	<1 U	<1 U	NA	<1 U	<1 U
TRICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	5.09
TRICHLOROFLUOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
VINYL ACETATE	ug/L	NA	<5 U	NA	<5 U	<5 U	NA	<5 U	<5 U
VINYL CHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	1.48
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	18WW09-260912 9/26/2012 MW	18WW10-240912 9/24/2012 MW	18WW10-240912F 9/24/2012 MW	18WW11-280912 9/28/2012 MW	18WW11-280912F 9/28/2012 MW	18WW18-021012 10/2/2012 MW	18WW19-021012 10/2/2012 MW	18WW19-021012F 10/2/2012 MW
ID Location:		Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – W, outside the fence line Sampled Once	Site 18/24 – W, outside the fence line Sampled Once	Site 18/24 – W, outside the fence line Sampled Once	Site 18/24 – W, outside the fence line Sampled Once	Site 18/24 – NE, just past the outer loop road Sampled Semi-Annually	Site 18/24 – NNW, outside the fence line Sampled Once	Site 18/24 – NNW, outside the fence line Sampled Once
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	<0.1 U	<0.1 U	<0.1 U	0.0674 J	<0.1 U	<0.1 U	0.283	<0.1 U
COBALT	mg/L	0.000517 J	0.0804	0.0827	<0.02 U	<0.02 U	0.000891 J	0.000676 J	<0.001 U
IRON	mg/L	32.9	2.02 J+	0.863 J+	26.4 J+	23.9 J+	70.3	13.5	12.8
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.00171 J	0.00296	0.00394	0.00252 J+	0.00242 J+	0.00944	0.00122 J	0.000777 J
BARIUM	mg/L	0.238 J+	0.185	0.187	0.207 J+	0.191 J+	0.91	0.127	0.118
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	0.00033 J	<0.0006 U
CHROMIUM	mg/L	0.025	0.0101	0.0028 J	0.00698	0.00128 J	0.00842	0.00383 J	<0.002 U
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.000842 J	<0.001 U
MANGANESE	mg/L	0.616 J+	0.894	0.883	0.405	0.392	1.35 J	0.273	0.281
NICKEL	mg/L	0.02 J+	0.117	0.119	0.0069 J	0.00581 J	0.0269	0.00225 J	<0.004 U
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	0.000269 J	<0.0002 U
VANADIUM	mg/L	0.000714 J	0.00131 J	0.00151 J	0.000847 J	0.000537 J	<0.001 U	0.00187 J	<0.001 U
ZINC	mg/L	<0.025 U	0.0421 J	0.0415 J	<0.025 U	<0.025 U	0.0133 J	0.0163 J	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	<0.2 U	NA	<0.2 U	NA	<0.2 U	<0.2 U	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	NA	<0.3 U	NA	<0.3 U	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	NA	<2 U	NA	<2 U	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	<5 U	NA	<5 U	NA	<5 U	<5 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	<4 U	NA	<4 U	NA	<4 U	<4 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	<5 U	NA	<5 U	NA	<5 U	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	NA	<5 U	NA	<5 U	<5 U	NA
ACETONE	ug/L	<5 U	<5 U	NA	<5 U	NA	<5 U	<5 U	NA
BENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
BROMOFORM	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
BROMOMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
CARBON DISULFIDE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
CHLOROFORM	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
m,p-Xylene	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
STYRENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	NA	<1 U	NA	<1 U	<1 U	NA
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
VINYL ACETATE	ug/L	<5 U	<5 UJ	NA	<5 U	NA	<5 U	<5 U	NA
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	18WW20-260912 9/26/2012 MW	18WW20-260912F 9/26/2012 MW	18WW20D-260912 9/26/2012 MW	18WW20D-260912F 9/26/2012 MW	18WW21-270912 9/27/2012 MW	18WW21-270912F 9/27/2012 MW	AWD-1-260912 9/26/2012 MW	AWD-1-260912F 9/26/2012 MW
ID Location:		Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – NNW, outside the fence line Sampled Annually	Site 18/24 – NE, outside the fence line Sampled Once	Site 18/24 – NE, outside the fence line Sampled Once	Site 18/24 – W, just inside the fence line Sampled Semi-Annually	Site 18/24 – W, just inside the fence line Sampled Semi-Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	0.151 J	<0.1 U	0.16 J	<0.1 U	<0.1 U	<0.1 U	309	0.529
COBALT	mg/L	0.002	0.00173 J	0.002	0.00168 J	0.00107 J	0.000905 J	0.0833	0.00244
IRON	mg/L	5.63	1.43	5.62	1.44	37.1	33.8	208	0.787
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.001 U	<0.001 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00127 J	0.000511 J
ARSENIC	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.011	0.00827	0.0194	0.00128 J
BARIUM	mg/L	0.111 J+	0.101 J+	0.112 J+	0.1 J+	0.583	0.57	3.04 J+	0.0522 J+
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	0.00038 J	<0.0006 U
CHROMIUM	mg/L	0.00308 J	0.00186 J	0.00534	0.00137 J	0.00119 J	<0.002 U	0.141	0.00134 J
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.106	0.000617 J
MANGANESE	mg/L	0.194 J+	0.195 J+	0.218 J+	0.19 J+	0.833	0.815	1.48 J+	0.0485 J+
NICKEL	mg/L	0.00582 J	0.00524 J	0.00622 J	0.00552 J	<0.004 U	0.00222 J	0.128 J+	0.0107 J+
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	0.00124	<0.0002 U
VANADIUM	mg/L	0.00115 J	<0.001 U	0.0012 J	<0.001 U	0.000509 J	0.000506 J	0.219	0.00274
ZINC	mg/L	0.015 J	<0.025 U	<0.025 U	0.0142 J	<0.025 U	0.0133 J	1.21	0.0149 J
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	NA	<0.2 U	NA	<0.2 U	NA	79.6	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	13.3 J	NA
1,1-DICHLOROETHENE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	31.3 J	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	NA	<0.3 U	NA	<15 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	NA	<2 U	NA	<100 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	45 J	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
2-BUTANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<250 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	NA	<4 U	NA	<4 U	NA	<200 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
2-HEXANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<250 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<250 U	NA
ACETONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<250 U	NA
BENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
BROMOFORM	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
BROMOMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 UJ	NA	<50 U	NA
CARBON DISULFIDE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
CHLOROETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
CHLOROFORM	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
CHLOROMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 UJ	NA	<50 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	5730	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
m,p-Xylene	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
METHYLENE CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<20 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
STYRENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<12.5 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
TOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<50 U	NA
TRICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	2210	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<25 U	NA
VINYL ACETATE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<250 U	NA
VINYL CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	292	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	AWD-2-280912 9/28/2012 MW	AWD-2-280912D 9/28/2012 MW	AWD-3-260912 9/26/2012 MW	AWD-3D-260912 9/26/2012 MW	AWD-4-280912 9/28/2012 MW	AWD-4-280912F 9/28/2012 MW	C-02-280912 9/28/2012 MW	C-02-280912F 9/28/2012 MW
ID Location:		Site 18/24 – WNW, inside the fence line, outer region Sampled Once	Site 18/24 – WNW, inside the fence line, outer region Sampled Once	Site 18/24 – SW, inside the fence line, central region Sampled Annually	Site 18/24 – SW, inside the fence line, central region Sampled Annually	Site 18/24 – NNW, outside the fence line, just along the perimeter road Sampled Once	Site 18/24 – NNW, outside the fence line, just along the perimeter road Sampled Once	Site 18/24 – W outside the fence line, at the beginning of the outer loop road Sampled Once	Site 18/24 – W outside the fence line, at the beginning of the outer loop road Sampled Once
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	0.87	0.77	0.0805 J	0.0757 J	<0.1 U	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	0.01 J	<0.02 U	0.0269	0.0253	0.0418	0.0455	<0.02 U	<0.02 U
IRON	mg/L	0.972 J+	0.855 J+	1.22	1.17	13.8	12.7 J+	49.6 J+	48.7 J+
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.01 U	<0.01 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.000855 J	0.000689 J
ARSENIC	mg/L	0.000788 J	0.000645 J	<0.001 U	<0.001 U	0.00169 J	0.00135 J	0.00203 J+	0.00199 J
BARIUM	mg/L	0.535 J+	0.516 J+	0.311 J+	0.322 J+	0.258 J+	0.26 J+	0.266 J+	0.345 J+
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	0.0394	0.0368	0.277	0.267	0.823	0.557	0.00108 J	0.00115 J
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00203	<0.001 U
MANGANESE	mg/L	0.162	0.139	0.213 J+	0.197 J+	0.366	0.393	1.14	1.17
NICKEL	mg/L	0.248	0.233	2.23 J+	2.17 J+	1.98	2.2	<0.004 U	0.00226 J
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.00336 J	0.00271 J	0.00298	0.00351	0.0198	0.0135	0.000675 J	0.00067 J
ZINC	mg/L	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	13.8	13.7	13100	15100	6650	NA	<0.2 U	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	0.626 J	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	0.575 J	<1.25 U	0.807 J	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	11.8	9.01 J	<1 U	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<1.5 U	<0.3 U	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<10 U	<2 U	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	28.8	26	109 J	90.5	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<25 U	<5 U	NA	<5 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	<4 U	<4 U	<20 U	<4 U	NA	<4 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<25 U	<5 U	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<25 U	<5 U	NA	<5 U	NA
ACETONE	ug/L	<5 U	<5 U	<5 U	<25 U	<5 U	NA	<5 U	NA
BENZENE	ug/L	0.182 J	<0.25 U	3.48	3.24 J	<0.25 U	NA	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<5 UJ	<1 UJ	NA	<1 U	NA
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	44.5 J	32.6 J	<0.5 U	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
CHLOROFORM	ug/L	0.28 J	0.226 J	9.58	7.91	<0.25 U	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<5 UJ	<1 UJ	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	169	152	170	158	4.51	NA	<0.5 U	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
m,p-Xylene	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	0.373 J	0.311 J	<0.5 U	<2.5 UJ	<0.5 U	NA	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<2 U	<0.4 U	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<1.25 U	<0.25 U	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	4.04	3.59 J	<0.5 U	NA	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<2.5 U	<0.5 U	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	0.539 J	0.42 J	6.72 J	3.38 J	<0.5 U	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<5 U	<1 U	NA	<1 U	NA
TRICHLOROETHENE	ug/L	245	287	3600	2650	19.3	NA	<0.5 U	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	1.41	<2.5 U	<0.5 U	NA	<0.5 U	NA
VINYL ACETATE	ug/L	<5 U	<5 U	<5 U	<25 U	<5 U	NA	<5 U	NA
VINYL CHLORIDE	ug/L	4.92	4.54	3.85	3.9 J	0.887 J	NA	<0.5 U	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	C-03-240912 9/24/2012 MW	C-03-240912F 9/24/2012 MW	C-04-250912 9/25/2012 MW	C-04-250912F 9/25/2012 MW	C-04A-021012 10/2/2012 MW	C-05-011012 10/1/2012 MW	C-05-011012F 10/1/2012 MW	C-06-250912 9/25/2012 MW
ID Location:		Site 18/24 – NE outside the fence line, on the outer loop road Sampled Once	Site 18/24 – NE outside the fence line, on the outer loop road Sampled Once	Site 18/24 – NNE, outside the fence line, along road heading into the woods Sampled Semi-Annually	Site 18/24 – NNE, outside the fence line, along road heading into the woods Sampled Semi-Annually	Site 18/24 – NNE, outside the fence line, along road heading into the woods Sampled Once	Site 18/24 – NNE, outside the fence line, on right side of road heading back into the woods Sampled Once	Site 18/24 – NNE, outside the fence line, on right side of road heading back into the woods Sampled Once	Site 18/24 – NE, outside the fence line, follow the road that C-08 is on far back into the woods Sampled Semi-Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	0.00116 J	0.00123 J	0.00113 J	0.00116 J	0.00159 J	0.00286	0.000943 J	0.00385
IRON	mg/L	40.4 J+	39.5 J+	3.17	0.0924 J	2.09	10.6	0.896	62.9
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.01 U	<0.001 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.00565	0.00579	0.00111 J	0.000945 J	0.0011 J	0.00132 J	0.000691 J	0.00612
BARIUM	mg/L	1.35	1.33	0.178 J+	0.176 J+	0.063	0.109	0.0469	1.07 J+
CADMIUM	mg/L	0.000613 J	0.000626 J	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	0.00429	0.00259 J	<0.002 U	0.00117 J	0.00738	0.00219 J	<0.002 U	0.00143 J
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	1.23	1.22	0.137	0.133	0.219	0.727	0.264	0.984
NICKEL	mg/L	0.0038 J	0.00412 J	0.00282 J	0.0033 J	0.113	0.00301 J	<0.004 U	0.00454 J
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.00167 J	0.00116 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	0.00103 J
ZINC	mg/L	0.0558	0.0319 J	<0.025 U	0.0155 J	<0.025 U	<0.025 U	<0.025 U	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	619	NA	<0.2 U	NA	<0.2 U	<0.2 U	NA	<0.2 U
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	NA	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	NA	<2 U	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	<5 U	NA	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	NA	<4 U	NA	<4 U	<4 U	NA	<4 U
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	<5 U	NA	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	<5 U	NA	<5 U
ACETONE	ug/L	<5 U	NA	<5 U	NA	<5 U	<5 U	NA	<5 U
BENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	0.267 J	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
VINYL ACETATE	ug/L	<5 U	NA	<5 UJ	NA	<5 U	<5 U	NA	<5 UJ
VINYL CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	C-08-240912 9/24/2012 MW	MW-1-290912 9/29/2012 MW	MW-2-270912 9/27/2012 MW	MW-3-290912 9/29/2012 MW	MW-3-290912D 9/29/2012 MW	MW-4-290912 9/29/2012 MW	MW-5-290912 9/29/2012 MW	MW-6-011012 10/1/2012 MW
ID Location:		Site 18/24 – E, outside the fence line, on the outer loop road Sampled Semi-Annually	Site 18/24 – N, inside the fence line, middle region Sampled Once	Site 18/24 – NE, inside the fence line, middle region Sampled Semi-Annually	Site 18/24 – NNE, inside the fence line, outer region Sampled Semi-Annually	Site 18/24 – NNE, inside the fence line, outer region Sampled Semi-Annually	Site 18/24 – N, inside the fence line, outer region Sampled Once	Site 18/24 – N just inside the fence line Sampled Semi-Annually	Site 18/24 – NNW just inside the fence line Sampled Once
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	0.00167 J	0.0235	0.104	0.0063	0.00607	0.00541	0.00245	0.00247
IRON	mg/L	0.0958 J	<0.1 U	15	1.27	1.09	4.13	<0.1 U	1.19
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.001 U	<0.001 U	<0.01 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.01 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.0145	0.00254	0.00613	0.000725 J	0.000842 J	0.00144 J	0.000557 J	0.00359
BARIUM	mg/L	5.57	2.13	5.26	0.312	0.283	0.308	0.9	0.873
CADMIUM	mg/L	<0.0006 U	0.000505 J	0.000561 J	<0.0006 U	<0.0006 U	0.000331 J	0.000597 J	<0.0006 U
CHROMIUM	mg/L	0.00239 J	0.0243	0.236	0.00491 J	0.00379 J	0.507	0.0773	0.21
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	0.0822	1.7	3.11	1.38	1.26	0.536	0.0998	0.139
NICKEL	mg/L	0.0115	0.569	0.325	0.0056 J	0.0055 J	0.335	0.0569	0.0145
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.00523	0.000676 J	0.0132	0.00077 J	0.000678 J	0.00333	0.00153 J	0.00344
ZINC	mg/L	<0.025 U	<0.025 U	0.0354 J	0.0147 J	<0.025 U	0.0137 J	0.0215 J	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	27000	6940	10800	10900	12000	25200	8850
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	0.745 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	38.2	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	35.5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	1.69	79.3	4.53	4.51	3.21	4.02	4.89
1,1-DICHLOROETHENE	ug/L	<1 U	31.8	2060	3.36	3.44	9.62	0.86 J	1.32 J
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	0.317 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	19.9	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	1.05	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	13.8	5.25	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	4.02	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.787 J	1.06 J
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.139 J
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	18	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	0.65 J	4.99	0.225 J	0.234 J	0.193 J	<0.25 U	0.199 J
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	121	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	0.37 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	2.42	NA	1.08	1.07	0.63 J	0.357 J	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	12.9 J	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	15.9	40100	47	46.6	22.6	12.3	14.4
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	115	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	5.58	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
m,p-Xylene	ug/L	<1 U	<1 U	64.8	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	0.252 J	1170000	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	23.2	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	2.24	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	47.9	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	0.948 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	0.782 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	850	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	1.33	262	0.333 J	0.479 J	0.305 J	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	87.3	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	1.41	458	1.1	1.2	0.717 J	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	11.9	734	61500	226	251	150	50.9	30.7
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL ACETATE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
VINYL CHLORIDE	ug/L	<0.5 U	8.99	127	29.7	30.8	14.5	9.73	12.5
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	MW-6-011012D 10/1/2012 MW	MW-7-260912 9/26/2012 MW	MW-7-260912F 9/26/2012 MW	MW-8-270912 9/27/2012 MW	MW-9-270912 9/27/2012 MW	MW-10-280912 9/28/2012 MW	MW-10-280912F 9/28/2012 MW	MW-12-290912 9/29/2012 MW
ID Location:		Site 18/24 – NNW just inside the fence line Sampled Once	Site 18/24 – SW, just outside the fence line Sampled Semi-Annually	Site 18/24 – SW, just outside the fence line Sampled Semi-Annually	Site 18/24 – SW, outside the fence line Sampled Semi-Annually	Site 18/24 – WSW, just outside the fence line Sampled Semi-Annually	Site 18/24 – W, just outside the fence line Sampled Semi-Annually	Site 18/24 – W, just outside the fence line Sampled Semi-Annually	Site 18/24 – W, inside the fence line, outer region Sampled Once
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	0.00264	0.00424	0.00325	0.0457	0.01	<0.02 U	<0.02 U	0.0285
IRON	mg/L	1.21	2.23	<0.1 U	<0.1 U	0.118 J	55.4 J+	50.4	83
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.01 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.001 U
ANTIMONY	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.00328	0.000844 J	0.000923 J	0.00341	<0.001 U	0.00181 J	0.00186 J	0.00266
BARIUM	mg/L	0.901	0.116 J+	0.109 J+	0.57	0.27	0.486 J+	0.46 J+	0.162
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	0.000788 J	<0.0006 U	<0.0006 U	<0.0006 U	0.000481 J
CHROMIUM	mg/L	0.233	0.526	0.00258 J	0.0258	0.0126	0.00867	0.00141 J	0.0818
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	0.148	0.0458 J+	0.0405 J+	0.52	0.246	0.921	0.896	2.39
NICKEL	mg/L	0.0149	1.71 J+	1.69 J+	0.197	0.246	0.00493 J	0.00599 J	0.216
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.0038	0.0154	0.00057 J	0.00155 J	0.000841 J	0.000924 J	0.000903 J	0.000753 J
ZINC	mg/L	0.0128 J	<0.025 U	0.0129 J	0.0376 J	<0.025 U	<0.025 U	<0.025 U	0.0959
Perchlorate (6850)									
PERCHLORATE	ug/L	8750	34100	NA	72500	1340	<0.2 U	NA	257
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	0.54 J	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	1.08	0.511 J	<0.5 U	NA	0.658 J
1,1-DICHLOROETHANE	ug/L	4.81	0.396 J	NA	0.339 J	1.64	<0.25 U	NA	11.9
1,1-DICHLOROETHENE	ug/L	1.33 J	15.5	NA	0.551 J	6.37	<1 U	NA	25.7
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	NA	<2 U	<2 U	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	25.8	NA	19.9	1.18	<0.5 U	NA	10.6
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	0.802 J	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	0.127 J	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	NA	<5 U	<5 U	<5 U	NA	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	<4 U	NA	<4 U	<4 UJ	<4 U	NA	<4 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	NA	<5 U	<5 U	<5 U	NA	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	NA	<5 U	<5 U	<5 U	NA	<5 U
ACETONE	ug/L	<5 U	<5 U	NA	<5 U	<5 U	<5 U	NA	<5 U
BENZENE	ug/L	0.184 J	3.79	NA	0.406 J	0.323 J	<0.25 U	NA	0.978 J
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L	<1 U	<1 UJ	NA	<1 UJ	<1 UJ	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	7.38	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	<0.25 U	20.5	NA	2.33	6.15	<0.25 U	NA	1.79
CHLOROMETHANE	ug/L	<1 U	<1 UJ	NA	<1 UJ	<1 U	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	13.9	22.1	NA	8.06	300	<0.5 U	NA	189
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 UJ	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	0.786 J	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	0.28 J	NA	0.317 J	2.1	<0.5 U	NA	3.11
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	28.7	2130	NA	959	5620	0.568 J	NA	2190
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
VINYL ACETATE	ug/L	<5 U	<5 U	NA	<5 U	<5 U	<5 U	NA	<5 U
VINYL CHLORIDE	ug/L	12.2	0.956 J	NA	<0.5 U	0.812 J	<0.5 U	NA	6.15
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	MW-13-270912 9/27/2012 MW	MW-13-270912F 9/27/2012 MW	MW-14-290912 9/29/2012 MW	MW-16-260912 9/26/2012 MW	MW-17-240912 9/24/2012 MW	MW-18-280912 9/28/2012 MW	MW-19-270912 9/27/2012 MW	MW-19-270912F 9/27/2012 MW
ID Location:		Site 18/24 – W, outside the fence line, along the outer loop road Sampled Once	Site 18/24 – W, outside the fence line, along the outer loop road Sampled Once	Site 18/24 – W, inside the fence line, outer region Sampled Annually	Site 18/24 – WNW outside the fence line Sampled Semi-Annually	Site 18/24 – WSW outside the fence line along the outer loop road Sampled Semi-Annually	Site 18/24 – SW along the outer loop road, Sampled Semi-Annually	Site 18/24 – SW, outside the fence line, along the outer loop road Sampled Semi-Annually	Site 18/24 – SW, outside the fence line, along the outer loop road Sampled Semi-Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	0.0829 J	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
COBALT	mg/L	0.00164 J	0.0015 J	0.00758	0.000539 J	0.0155	<0.02 U	0.0131	0.00963
IRON	mg/L	103	99	151	49.8	9.52 J+	1.41	77.9	69.2
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SILVER	mg/L	<0.01 U	<0.01 U	<0.001 U	<0.001 U	<0.001 U	<0.01 U	<0.01 U	<0.01 U
ANTIMONY	mg/L	0.00071 J	0.000831 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.0024	0.00238	0.0115	0.00322	0.005	0.00986 J+	0.0149	0.0146
BARIUM	mg/L	0.515	0.503	1.34	0.485 J+	0.769	0.134 J+	0.153	0.139
CADMIUM	mg/L	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	0.0529	0.0014 J	0.00813	0.00398 J	0.00312 J	0.018	0.296	0.00179 J
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	1.53	1.49	3.71	0.737 J+	0.952	0.0133	2.38	2.23
NICKEL	mg/L	0.0456	0.0418	0.0337	0.00372 J	0.0803	<0.004 U	0.533	0.354
THALLIUM	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L	0.002	0.000599 J	0.000603 J	0.00074 J	0.000588 J	0.0016 J	0.00923	0.00143 J
ZINC	mg/L	0.015 J	0.0168 J	0.133	<0.025 U	<0.025 U	<0.025 U	0.0163 J	0.0142 J
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	NA	173000	16.5	<0.2 U	0.246 J	<0.2 U	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	3.92	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	31.7	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	<1 U	NA	139	1.01 J	<1 U	<1 U	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	<2 U	<2 U	<2 U	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	52.7	6.67 J	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<5 U	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<4 U	NA	<4 U	<4 U	<4 U	<4 U	<4 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<5 U	NA
ACETONE	ug/L	<5 U	NA	<5 U	<5 U	<5 U	<5 U	<5 U	NA
BENZENE	ug/L	<0.25 U	NA	4.03	<0.25 U	<0.25 U	0.517 J	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
BROMOFORM	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<1 U	NA
BROMOMETHANE	ug/L	<1 UJ	NA	<1 U	<1 U	<1 U	<1 UJ	<1 UJ	NA
CARBON DISULFIDE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	NA	1.41 J	<1 U	<1 U	<1 U	<1 U	NA
CHLOROFORM	ug/L	<0.25 U	NA	8.22	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 UJ	NA	<1 U	<1 U	<1 U	<1 UJ	<1 UJ	NA
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	2000	2.42	<0.5 U	<0.5 U	0.568 J	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
m,p-Xylene	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<1 U	NA
METHYLENE CHLORIDE	ug/L	<0.5 U	NA	1.6	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
STYRENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	NA	0.893 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	NA	0.285 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	18.4	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	<1 U	<1 U	NA
TRICHLOROETHENE	ug/L	<0.5 U	NA	11800	38.7	0.943 J	<0.5 U	6.07	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
VINYL ACETATE	ug/L	<5 U	NA	<5 U	<5 U	<5 UJ	<5 U	<5 U	NA
VINYL CHLORIDE	ug/L	<0.5 U	NA	3.84	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	MW-21-250912 9/25/2012 MW	MW-22-260912 9/26/2012 MW	MW-23-250912 9/25/2012 MW	MW-23D-250912 9/25/2012 MW	108-021012 10/1/2012 MW	110-011012 10/1/2012 MW	112-011012 10/1/2012 MW	133-011012 10/1/2012 MW
ID Location:		Site 18/24 – ENE, just inside the fence line Sampled Semi-Annually	Site 18/24 – ESE, inside the fence line, outer region Sampled Semi-Annually	Site 18/24 – S, inside the fence line, middle region Sampled Semi-Annually	Site 18/24 – S, inside the fence line, middle region Sampled Semi-Annually	Perimeter Site – ENE edge of LHAAP, close to creek Sampled Annually	Perimeter Site – SSE edge of LHAAP Sampled Annually	Perimeter Site – WNW edge of LHAAP Sampled Annually	Perimeter Site – NW edge of LHAAP Sampled Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA	NA	NA	NA
COBALT	mg/L	0.0382	0.000526 J	<0.001 U	<0.001 U	NA	NA	NA	NA
IRON	mg/L	0.283	0.0597 J	<0.1 U	<0.1 U	NA	NA	NA	NA
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 U	<0.01 U	NA	NA	NA	NA
SILVER	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	NA	NA
ANTIMONY	mg/L	<0.001 U	0.000623 J	<0.001 U	0.000644 J	NA	NA	NA	NA
ARSENIC	mg/L	0.019	0.00289	0.00526	0.00518	NA	NA	NA	NA
BARIUM	mg/L	8.74 J+	0.784 J+	0.287 J	0.313 J+	NA	NA	NA	NA
CADMIUM	mg/L	0.000956 J	<0.0006 U	<0.0006 U	<0.0006 U	NA	NA	NA	NA
CHROMIUM	mg/L	0.031 J+	0.00723	0.00927 J+	0.0089 J+	NA	NA	NA	NA
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	NA	NA	NA	NA
MANGANESE	mg/L	1.05	0.0035 J	0.00307 J	0.00315 J	NA	NA	NA	NA
NICKEL	mg/L	1.61	0.0136 J+	0.00869	0.00815	NA	NA	NA	NA
THALLIUM	mg/L	0.000181 J	<0.0002 U	<0.0002 U	<0.0002 U	NA	NA	NA	NA
VANADIUM	mg/L	0.0035 J+	0.00282	0.00798 J+	0.00749 J+	NA	NA	NA	NA
ZINC	mg/L	0.0226 J	<0.025 U	<0.025 U	<0.025 U	NA	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	28900	2540 J	53100	54200	<0.2 U	0.535	<0.2 U	0.598
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	ug/L	<25 U	0.977 J	<5 U	<5 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	ug/L	<7.5 U	<0.3 U	<1.5 U	<1.5 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<50 U	<2 U	<10 U	<10 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	ug/L	66.2	6.49	31.4	30.9	NA	NA	NA	NA
1,2-DICHLOROPROPANE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
2,2-DICHLOROPROPANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
2-BUTANONE	ug/L	<125 U	<5 U	<25 U	<25 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	ug/L	<100 U	<4 U	<20 U	<20 U	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
2-HEXANONE	ug/L	<125 U	<5 U	<25 U	<25 U	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	ug/L	<125 U	<5 U	<25 U	<25 U	NA	NA	NA	NA
ACETONE	ug/L	<125 U	<5 U	<25 U	<25 U	NA	NA	NA	NA
BENZENE	ug/L	3.27 J	1.63	0.729 J	0.681 J	NA	NA	NA	NA
BROMOBENZENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
BROMOFORM	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
BROMOMETHANE	ug/L	<25 U	<1 UJ	<5 U	<5 U	NA	NA	NA	NA
CARBON DISULFIDE	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
CHLOROBENZENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
CHLOROETHANE	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
CHLOROFORM	ug/L	10.2 J	5.47	2 J	2.04 J	NA	NA	NA	NA
CHLOROMETHANE	ug/L	<25 U	<1 UJ	<5 U	<5 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	ug/L	124	5.22	4.22 J	3.69 J	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
DIBROMOMETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
ETHYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
ISOPROPYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
m,p-Xylene	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/L	11.9 J	<0.5 UJ	1.29 J	1.39 J	NA	NA	NA	NA
NAPHTHALENE	ug/L	<10 U	<0.4 U	<2 U	<2 U	NA	NA	NA	NA
N-BUTYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
N-PROPYLBENZENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
O-XYLENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
P-ISOPROPYLTOLUENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
STYRENE	ug/L	<6.25 U	<0.25 U	<1.25 U	<1.25 U	NA	NA	NA	NA
TERT-BUTYLBENZENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
TETRACHLOROETHENE	ug/L	<12.5 U	0.704 J	<2.5 U	<2.5 U	NA	NA	NA	NA
TOLUENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<25 U	<1 U	<5 U	<5 U	NA	NA	NA	NA
TRICHLOROETHENE	ug/L	4980	388	729	732	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	ug/L	<12.5 U	<0.5 U	<2.5 U	<2.5 U	NA	NA	NA	NA
VINYL ACETATE	ug/L	<125 U	<5 U	<25 U	<25 U	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	53.6	0.369 J	<2.5 U	<2.5 U	NA	NA	NA	NA
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	134-011012 10/1/2012 MW	12WW20-031212 12/3/2012 MW	12WW20-031212D 12/3/2012 MW	12WW21-031212 12/3/2012 MW	12WW21-031212MS 12/3/2012 MW	12WW21-031212SD 12/3/2012 MW	12WW22-041212 12/4/2012 MW	12WW23-031212 12/3/2012 MW
ID Location:		Perimeter Site – NW edge of LHAAP Sampled Annually	Site 12 – NW, central region Sampled Annually	Site 12 – NW, central region Sampled Annually	Site 12 – N, middle region Sampled Annually	Site 12 – N, middle region Sampled Annually	Site 12 – N, middle region Sampled Annually	Site 12 – NNW, outer region Sampled Annually	Site 12 – NE, outer region Sampled Annually
Ammonia (350.1)									
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)									
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)									
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)									
ALUMINUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	0.671	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.9	20.1	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.7	18.9	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	20.6	20.5	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	22.1	22.6	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	19.5	19.4	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	NA	<1 U	<1 U	<1 U	18.1	18.5	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.5	19.7	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	NA	<0.3 U	<0.3 U	<0.3 U	18.6	18.6	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	NA	<1 U	<1 U	<1 U	19.5	19.8	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	18.9	18.5	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.6	19.6	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	<2 U	<2 U	<2 U	16.8	18.2	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.9	20.1	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	18.2	17.7	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.9	19.3	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	21.2	21	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.8	19.5	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17.9	17.8	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	20.8	20.9	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	19.1	19.1	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.9	18.7	<0.5 U	<0.5 U
2-BUTANONE	ug/L	NA	<5 U	<5 U	<5 U	17.9	18	<5 U	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	17.2	16.7	<0.25 U	<0.25 U
2-HEXANONE	ug/L	NA	<5 U	<5 U	<5 U	17.5	18.7	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17	16.8	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	NA	<5 U	<5 U	<5 U	19	18.2	<5 U	<5 U
ACETONE	ug/L	NA	<5 U	<5 U	<5 U	19.3	18.2	<5 U	<5 U
BENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	20.1	20.3	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	19.6	18.8	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	22.3	22.5	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.6	19.7	<0.5 U	<0.5 U
BROMOFORM	ug/L	NA	<1 U	<1 U	<1 U	20.3	20.9	<1 U	<1 U
BROMOMETHANE	ug/L	NA	<1 U	<1 U	<1 U	20.2	19.4	<1 U	<1 U
CARBON DISULFIDE	ug/L	NA	<1 U	<1 U	<1 U	24.3	23.7	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.9	18.5	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	18.5	18.8	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	NA	<1 U	<1 U	<1 U	20.3	20.5	<1 U	<1 U
CHLOROFORM	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	19.8	20	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	NA	<1 U	<1 U	<1 U	17.5	17.8	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	NA	0.41 J	0.331 J	<0.5 U	20.8	20.8	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	22.1	22.5	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.7	19.7	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	21.6	21.2	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	21.1	21.1	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.8	19.9	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17	16.8	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.5	18.6	<0.5 U	<0.5 U
m,p-Xylene	ug/L	NA	<1 U	<1 U	<1 U	40	39.8	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	21.1	20.7	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	19.7	20	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17.9	18.1	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	17.9	17.4	<0.25 U	<0.25 U
O-XYLENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.1	19.5	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	18.3	18.3	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17.7	17.4	<0.5 U	<0.5 U
STYRENE	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	21.4	21.4	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	16.7	17	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	20.1	21	<0.5 U	<0.5 U
TOLUENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.9	20.4	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	20	19.6	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	<1 U	<1 U	<1 U	19.8	20	<1 U	<1 U
TRICHLOROETHENE	ug/L	NA	0.5 J	0.582 J	<0.5 U	22.1	21.7	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	19.3	19.2	<0.5 U	<0.5 U
VINYL ACETATE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	17	16.8	<0.5 U	<0.5 U
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled: Site ID:	Units	16EW01-041212 12/4/2012 MW	16EW02-041212 12/4/2012 MW	16EW03-041212 12/4/2012 MW	16EW04-041212 12/4/2012 MW	16EW05-041212 12/4/2012 MW	16EW06-041212 12/4/2012 MW	16EW07-041212 12/4/2012 MW	16EW07-041212D 12/4/2012 MW	16EW08-041212 12/4/2012 MW
ID Location:		Site 16 – NE, middle region Sampled Annually	Site 16 – NE, middle region Sampled Annually	Site 16 – NE middle region Sampled Annually	Site 16 – ENE, middle region Sampled Annually	Site 16 – NE middle region Sampled Annually	Site 16 – NE, middle region Sampled Annually	Site 16 – NE, middle region Sampled Annually	Site 16 – NE, middle region Sampled Annually	Site 16 – ENE, middle region Sampled Annually
Ammonia (350.1)										
AMMONIA AS N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen (351.2)										
NITROGEN	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ortho-Phosphate (365.2)										
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorous (365.4)										
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)										
TOTAL ORGANIC CARBON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010/6020)										
ALUMINUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perchlorate (6850)										
PERCHLORATE	ug/L	1050	151	0.139 J	0.165 J	529	76.4	<0.2 U	<0.2 U	<0.2 U
Hexavalent Chromium (7196A)										
HEXAVALENT CHROMIUM	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)										
1,1,1,2-TETRACHLOROETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<2.5 U	177	59.4 J	64.6 J	<50 U	13.4 J	<2 U	0.527 J	<1 U
1,1-DICHLOROPROPENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.75 U	<15 U	<15 U	<15 U	<15 U	<7.5 U	<0.6 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<5 U	<100 U	<100 U	<100 U	<100 U	<50 U	<4 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	4.53 J	50.6	29 J	21.5 J	35.9 J	<12.5 U	<1 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<12.5 U	<250 U	<250 U	<250 U	<250 U	<125 U	<10 U	<5 U	<5 U
2-CHLOROETHYL VINYL ETHER	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<12.5 U	<250 U	<250 U	<250 U	<250 U	<125 U	<10 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<12.5 U	<250 U	<250 U	<250 U	<250 U	<125 U	<10 U	<5 U	<5 U
ACETONE	ug/L	<12.5 U	<250 U	<250 U	<250 U	<250 U	<125 U	<10 U	<5 U	<5 U
BENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
BROMOMETHANE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	1.03 J
CARBON TETRACHLORIDE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.625 U	10.3 J	11.2 J	11.8 J	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	496 J	26700	14800	11400	14900	1150	18.6	20.7	30.7
CIS-1,3-DICHLOROPROPENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
m,p-Xylene	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<1 U	<20 U	<20 U	<20 U	<20 U	<10 U	<0.8 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.625 U	<12.5 U	<12.5 U	<12.5 U	<12.5 U	<6.25 U	<0.5 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<1.25 U	31.4 J	15.5 J	13.8 J	34.8 J	<12.5 U	<1 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<2.5 U	<50 U	<50 U	<50 U	<50 U	<25 U	<2 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	380 J	33400	31400	53500	7130	6370	304	293	122
TRICHLOROFLUOROMETHANE	ug/L	<1.25 U	<25 U	<25 U	<25 U	<25 U	<12.5 U	<1 U	<0.5 U	<0.5 U
VINYL ACETATE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	ug/L	5.58 J	579	130	130	872	69.6	<1 U	0.537 J	<0.5 U
Anions (9056)										
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: / Date Sampled:	Unit	Limit	LH18/24-Air-5071-Downwind 4/23/2013	LH18/24-Air-5071-GWTP 4/22/2013	LH18/24-Air-5071-Stripper 4/22/2013	LH18/24-Air-5073-Downwind 5/2/2013	LH18/24-Air-5073-GWTP 5/1/2013	LH18/24-Air-5073-Stripper 5/1/2013	LH18/24-Air-5075-Downwind 5/7/2013	LH18/24-Air-5075-GWTP 5/6/2013	LH18/24-Air-5075-Stripper 5/6/2013
ID location:			GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Volatile Organic Compounds (TO-15)											
1,1,1-TRICHLOROETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,1,2,2-TETRACHLOROETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,1,2-TRICHLOROETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,1-DICHLOROETHANE	ug/m3	4047	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,1-DICHLOROETHENE	ug/m3	714	<0.69 U	<0.66 U	150	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	220
1,2,4-TRICHLOROBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2,4-TRIMETHYLBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	1.2	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-DIBROMOETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-DICHLOROBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-DICHLOROETHANE	ug/m3	162	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,2-DICHLOROPROPANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,3,5-TRIMETHYLBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,3-Butadiene	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,3-DICHLOROBENZENE	ug/m3	720	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,4-DICHLOROBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
1,4-DIOXANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
2-BUTANONE (MEK)	ug/m3		<6.9 U	<6.6 U	<1300 U	7	<6.7 U	<2200 U	<8.2 U	<6.9 U	<2200 U
2-HEXANONE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
2-PROPANOL	ug/m3		<6.9 U	<6.6 U	<1300 U	<6.4 U	<6.7 U	<2200 U	<8.2 U	<6.9 U	<2200 U
4-ETHYLTOLUENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
4-METHYL-2-PENTANONE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
ACETONE	ug/m3		7.1	<6.6 U	<1300 U	25	10	<2200 U	13	<6.9 U	<2200 U
ACETONITRILE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
ACROLEIN	ug/m3		<2.7 U	<2.6 U	<530 U	<2.6 U	<2.7 U	<870 U	<3.3 U	<2.7 U	<860 U
ACRYLONITRILE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
ALLYL CHLORIDE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
alpha-Pinene	ug/m3	3499	2.7	4.1	<130 U	1.1	1.3	<220 U	3.1	0.9	<220 U
BENZENE	ug/m3	575	<0.69 U	<0.66 U	<130 U	0.68	<0.67 U	<220 U	<0.82 U	0.81	<220 U
BENZYL CHLORIDE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
BROMODICHLOROMETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
BROMOFORM	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
BROMOMETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CARBON DISULFIDE	ug/m3	30	<6.9 U	<6.6 U	<1300 U	<6.4 U	<6.7 U	<2200 U	<8.2 U	<6.9 U	<2200 U
CARBON TETRACHLORIDE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CHLOROBENZENE	ug/m3		<0.69 U	1.9	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CHLOROETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CHLOROFORM	ug/m3	98	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CHLOROMETHANE	ug/m3		0.7	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	0.7	<220 U
CIS-1,2-DICHLOROETHENE	ug/m3	7900	<0.69 U	9	12000	0.8	14	16000	<0.82 U	<0.69 U	20000
CIS-1,3-DICHLOROPROPENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
CYCLOHEXANE	ug/m3		<1.4 U	<1.3 U	<270 U	<1.3 U	<1.3 U	<430 U	<1.6 U	<1.4 U	<430 U
DIBROMOCHLOROMETHANE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
DICHLORODIFLUOROMETHANE	ug/m3		2.1	2.1	<130 U	2.3	2.1	<220 U	2.5	2.5	<220 U
d-Limonene	ug/m3	1100	0.95	1.8	<130 U	1.5	1.1	<220 U	<0.82 U	<0.69 U	<220 U
ETHANOL	ug/m3	18800	50	33	<1300 U	110	17	<2200 U	23	<6.9 U	<2200 U
ETHYL ACETATE	ug/m3		<1.4 U	2.3	<270 U	1.3	<1.3 U	<430 U	<1.6 U	<1.4 U	<430 U
ETHYLBENZENE	ug/m3	86844	<0.69 U	12	<130 U	2.3	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
HEXACHLOROBUTADIENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
ISOPROPYLBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
m,p-Xylene	ug/m3		<1.4 U	22	<270 U	6.4	<1.3 U	<430 U	<1.6 U	<1.4 U	<430 U
METHYL METHACRYLATE	ug/m3		<1.4 U	<1.3 U	<270 U	<1.3 U	<1.3 U	<430 U	<1.6 U	<1.4 U	<430 U
METHYL TERT-BUTYL ETHER	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
METHYLENE CHLORIDE	ug/m3	12158	<0.69 U	0.74	140	18	1.7	1700	<0.82 U	<0.69 U	240
NAPHTHALENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
n-Butyl Acetate	ug/m3		<0.69 U	45	<130 U	2.5	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
N-Heptane	ug/m3		<0.69 U	<0.66 U	<130 U	1.1	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
n-Hexane	ug/m3	6336	<0.69 U	0.97	<130 U	2.7	1	<220 U	<0.82 U	1.2	<220 U
n-Nonane	ug/m3		<0.69 U	2.3	<130 U	1.9	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
n-Octane	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
N-PROPYLBENZENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
O-XYLENE	ug/m3	7382	<0.69 U	7.4	<130 U	1.8	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
Propene	ug/m3		1.9	<0.66 U	<130 U	1.3	<0.67 U	<220 U	1.6	0.78	<220 U
STYRENE	ug/m3	21725	<0.69 U	<0.66 U	<130 U	1.6	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
TETRACHLOROETHENE	ug/m3	6782	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
TETRAHYDROFURAN	ug/m3		<0.69 U	<0.66 U	<130 U	10	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
TOLUENE	ug/m3	15074	<0.69 U	1.3	<130 U	6.7	0.97	<220 U	<0.82 U	0.77	<220 U
TRANS-1,2-DICHLOROETHENE	ug/m3	7900	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
TRANS-1,3-DICHLOROPROPENE	ug/m3		<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U
TRICHLOROETHENE	ug/m3	537	<0.69 U	24	23000	2.1	37	29000	<0.82 U	<0.69 U	34000
TRICHLOROFLUOROMETHANE	ug/m3		1.1	1.1	<130 U	1.7	1.1	<220 U	1.2	1.2	<220 U
TRICHLOROTRIFLUOROETHANE	ug/m3		10	35	11000	2.7	51	14000	3.9	0.83	15000
VINYL ACETATE	ug/m3		<6.9 U	<6.6 U	<1300 U	<6.4 U	<6.7 U	<2200 U	<8.2 U	<6.9 U	<2200 U
VINYL CHLORIDE	ug/m3	66460	<0.69 U	<0.66 U	<130 U	<0.64 U	<0.67 U	<220 U	<0.82 U	<0.69 U	<220 U

Limit= AMCV levels when available, otherwise ESL used

Location ID: Date Sampled:	Unit	Limit	LH18/24-Air-5075-Stripper-DUP 5/6/2013	LH18/24-Air-5078-Downwind 5/14/2013	LH18/24-Air-5078-GWTP 5/13/2013	LH18/24-Air-5078-Stripper 5/13/2013
ID location:			GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Volatile Organic Compounds (TO-15)						
1,1,1-TRICHLOROETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,1,2,2-TETRACHLOROETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,1,2-TRICHLOROETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,1-DICHLOROETHANE	ug/m3	4047	<260 U	<0.78 U	<0.66 U	<160 U
1,1-DICHLOROETHENE	ug/m3	714	<260 U	<0.78 U	<0.66 U	170
1,2,4-TRICHLOROBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2,4-TRIMETHYLBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2-DIBROMOETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2-DICHLOROBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,2-DICHLOROETHANE	ug/m3	162	<260 U	<0.78 U	<0.66 U	<160 U
1,2-DICHLOROPROPANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,3,5-TRIMETHYLBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,3-Butadiene	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,3-DICHLOROBENZENE	ug/m3	720	<260 U	<0.78 U	<0.66 U	<160 U
1,4-DICHLOROBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
1,4-DIOXANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
2-BUTANONE (MEK)	ug/m3		<2600 U	<7.8 U	<6.6 U	<1600 U
2-HEXANONE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
2-PROPANOL	ug/m3		<2600 U	<7.8 U	<6.6 U	<1600 U
4-ETHYLTOLUENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
4-METHYL-2-PENTANONE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
ACETONE	ug/m3		<2600 U	8.3	<6.6 U	<1600 U
ACETONITRILE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
ACROLEIN	ug/m3		<1000 U	<3.1 U	<2.6 U	<650 U
ACRYLONITRILE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
ALLYL CHLORIDE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
alpha-Pinene	ug/m3	3499	<260 U	0.83	3	<160 U
BENZENE	ug/m3	575	<260 U	0.82	0.84	<160 U
BENZYL CHLORIDE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
BROMODICHLOROMETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
BROMOFORM	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
BROMOMETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
CARBON DISULFIDE	ug/m3	30	<2600 U	<7.8 U	<6.6 U	<1600 U
CARBON TETRACHLORIDE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
CHLOROBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
CHLOROETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
CHLOROFORM	ug/m3	98	<260 U	<0.78 U	<0.66 U	<160 U
CHLOROMETHANE	ug/m3		<260 U	<0.78 U	0.68	<160 U
CIS-1,2-DICHLOROETHENE	ug/m3	7900	20000	<0.78 U	2.9	16000
CIS-1,3-DICHLOROPROPENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
CYCLOHEXANE	ug/m3		<520 U	<1.6 U	<1.3 U	<330 U
DIBROMOCHLOROMETHANE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
DICHLORODIFLUOROMETHANE	ug/m3		<260 U	2.1	2.1	<160 U
d-Limonene	ug/m3	1100	<260 U	<0.78 U	4.7	<160 U
ETHANOL	ug/m3	18800	<2600 U	22	22	<1600 U
ETHYL ACETATE	ug/m3		<520 U	<1.6 U	<1.3 U	<330 U
ETHYLBENZENE	ug/m3	86844	<260 U	<0.78 U	<0.66 U	<160 U
HEXACHLOROBUTADIENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
ISOPROPYLBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
m,p-Xylene	ug/m3		<520 U	<1.6 U	1.7	<330 U
METHYL METHACRYLATE	ug/m3		<520 U	<1.6 U	<1.3 U	<330 U
METHYL TERT-BUTYL ETHER	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
METHYLENE CHLORIDE	ug/m3	12158	260	<0.78 U	<0.66 U	<160 U
NAPHTHALENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
n-Butyl Acetate	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
N-Heptane	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
n-Hexane	ug/m3	6336	<260 U	0.87	1.1	<160 U
n-Nonane	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
n-Octane	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
N-PROPYLBENZENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
O-XYLENE	ug/m3	7382	<260 U	<0.78 U	<0.66 U	<160 U
Propene	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
STYRENE	ug/m3	21725	<260 U	<0.78 U	<0.66 U	<160 U
TETRACHLOROETHENE	ug/m3	6782	<260 U	<0.78 U	<0.66 U	<160 U
TETRAHYDROFURAN	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
TOLUENE	ug/m3	15074	<260 U	0.82	1.3	<160 U
TRANS-1,2-DICHLOROETHENE	ug/m3	7900	<260 U	<0.78 U	<0.66 U	<160 U
TRANS-1,3-DICHLOROPROPENE	ug/m3		<260 U	<0.78 U	<0.66 U	<160 U
TRICHLOROETHENE	ug/m3	537	34000	<0.78 U	8.5	26000
TRICHLOROFLUOROMETHANE	ug/m3		<260 U	1.1	1	<160 U
TRICHLOROTRIFLUOROETHANE	ug/m3		15000	2.8	15	12000
VINYL ACETATE	ug/m3		<2600 U	<7.8 U	<6.6 U	<1600 U
VINYL CHLORIDE	ug/m3	66460	<260 U	<0.78 U	<0.66 U	<160 U

Limit= AMCV levels when available, otherwise ESL used

Location ID: Date Sampled:	Unit	Limit	LH18/24-SP140-7076-GRAB 5/6/2013 Spigot	LH18/24-SP650-6074-GRAB 5/1/2013 Spigot	LH18/24-SP650-6076-GRAB 5/6/2013 Spigot	LH18/24-SP650-6077-COMP 5/6/2013 Holding Jar/Spigot	LH18/24-SP650-6077-GRAB 5/6/2013 Spigot	LH18/24-SP650-6079-GRAB 5/14/2013 Spigot
ID Location:			GWTP – Collected from a spigot on the discharge of influent TK-140 Sampled Monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly
Ammonia (350.1)								
AMMONIA AS N	mg/L		NA	11.4	NA	NA	NA	8.42
Ortho-Phosphate (365.2)								
ORTHO-PHOSPHATE	mg/L		NA	1.57	NA	NA	NA	1.36
Total Organic Carbon (415.1)								
TOTAL ORGANIC CARBON (TOC)	mg/L		NA	10.8	NA	NA	NA	4.26
Metals (6010C/6020)								
ALUMINUM	mg/L		NA	NA	<0.1 U	NA	NA	NA
IRON	mg/L		NA	NA	0.0752 J	NA	NA	NA
SELENIUM	mg/L	12	NA	NA	<0.01 U	<0.01 U	<0.01 U	NA
ANTIMONY	mg/L		NA	NA	0.000506 J	NA	NA	NA
ARSENIC	mg/L		NA	NA	0.00536	NA	NA	NA
BARIUM	mg/L		NA	NA	0.0728	NA	NA	NA
CADMIUM	mg/L		NA	NA	<0.0006 U	NA	NA	NA
CHROMIUM	mg/L		NA	NA	0.00723	NA	NA	NA
COBALT	mg/L		NA	NA	0.00071 J	NA	NA	NA
LEAD	mg/L	4.6	NA	NA	<0.001 U	<0.001 U	<0.001 U	NA
MANGANESE	mg/L		NA	NA	0.221	NA	NA	NA
NICKEL	mg/L		NA	NA	0.00327 J	NA	NA	NA
SILVER	mg/L	3	NA	NA	<0.001 U	<0.001 U	<0.001 U	NA
THALLIUM	mg/L		NA	NA	<0.0002 U	NA	NA	NA
VANADIUM	mg/L		NA	NA	<0.001 U	NA	NA	NA
ZINC	mg/L		NA	NA	<0.025 U	NA	NA	NA
Perchlorate (6850)								
PERCHLORATE	ug/L	13	18100	<0.2 U	NA	<0.2 U	<0.2 U	<0.2 U
Hexavalent Chromium (7196A)								
HEXAVALENT CHROMIUM	mg/L	124	NA	NA	NA	<0.01 U	<0.01 U	NA
Volatile Organic Compounds (SW8260)								
1,1,1,2-TETRACHLOROETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	7230	<25 U	NA	NA	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	216.9	<25 U	NA	NA	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	14032	<12.5 U	NA	NA	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	253	83.9 J	NA	NA	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L		<15 U	NA	NA	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L		<50 U	NA	NA	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L		<100 U	NA	NA	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	181	38.9 J	NA	NA	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
2-BUTANONE	ug/L		<250 U	NA	NA	NA	<5 U	NA
2-CHLOROTOLUENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
2-HEXANONE	ug/L		<250 U	NA	NA	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L		<250 U	NA	NA	NA	<5 U	NA
ACETONE	ug/L	181	<250 U	NA	NA	NA	<5 U	NA
BENZENE	ug/L	181	<12.5 U	NA	NA	NA	<0.25 U	NA
BROMOBENZENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
BROMOFORM	ug/L		<50 U	NA	NA	NA	<1 U	NA
BROMOMETHANE	ug/L		<50 U	NA	NA	NA	<1 U	NA
CARBON DISULFIDE	ug/L		<50 U	NA	NA	NA	2.87	NA
CARBON TETRACHLORIDE	ug/L	3615	<25 U	NA	NA	NA	<0.5 U	NA
CHLOROBENZENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
CHLOROETHANE	ug/L		<50 U	NA	NA	NA	<1 U	NA
CHLOROFORM	ug/L	57025	19 J	NA	NA	NA	<0.25 U	NA
CHLOROMETHANE	ug/L		<50 U	NA	NA	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L		5020	NA	NA	NA	1.94	NA
CIS-1,3-DICHLOROPROPENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	83.6	<25 U	NA	NA	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
m,p-Xylene	ug/L		<50 U	NA	NA	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	83.6	<25 U	NA	NA	NA	<0.5 U	NA
NAPHTHALENE	ug/L		<20 U	NA	NA	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L		<12.5 U	NA	NA	NA	<0.25 U	NA
O-XYLENE	ug/L	2395	<25 U	NA	NA	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
STYRENE	ug/L	5987	<12.5 U	NA	NA	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	180.7	33.6 J	NA	NA	NA	<0.5 U	NA
TOLUENE	ug/L	4189	<25 U	NA	NA	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L		19.2 J	NA	NA	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L		<50 U	NA	NA	NA	<1 U	NA
TRICHLOROETHENE	ug/L	181	10700	NA	NA	NA	1.16	NA
TRICHLOROFLUOROMETHANE	ug/L		<25 U	NA	NA	NA	<0.5 U	NA
VINYL CHLORIDE	ug/L	72	44.6 J	NA	NA	NA	<0.5 U	NA
Anions (9056)								
CHLORIDE	mg/L		NA	NA	NA	846	822	NA
SULFATE	mg/L		NA	NA	NA	230	194	NA

Limit based on MAX value for Effluent Discharge at GWTP.

Location ID: / Date Sampled:	Unit	MCL	123-051113 5/11/2013	126-051113 5/11/2013	129-051013 5/10/2013	129-051013-F 5/10/2013	18CPTMW14-051313 5/13/2013	18CPTMW19-051313 5/13/2013	18CPTMW19F-051313 5/13/2013	18CPTMW23-051313 5/13/2013	18CPTMW23-051313-FD 5/13/2013
ID Location:			Site 18/24 – NW, inside the fence line, outer region Sampled Semi-annually	Site 18/24 – SE, outside the fence line, to the right before you enter the site Sampled One Time Only	Site 18/24 – SW, inside the fence line, outer region Sampled Annually	Site 18/24 – SW, inside the fence line, outer region Filtered Sampled Annually	Site 18/24 – SE, outside the fence line, along the road surrounding the fence line Sampled Semi-annually	Site 18/24 – N, outside the fence line Sampled Semi-annually	Site 18/24 – N, outside the fence line Filtered Sampled Semi-annually	Site 18/24 – WNW, outside the fence line, near the road surrounding the fence line Sampled Semi-annually	Site 18/24 – WNW, outside the fence line, near the road surrounding the fence line Filtered Dup Sampled Semi-annually
Metals (6010C/6020B/7471)											
ALUMINUM	mg/L		0.285	NA	NA	<0.1 U	<0.1 U	NA	1.2	0.445 J	0.239 J
BERYLLIUM	mg/L	0.004	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U
CALCIUM	mg/L		16.5	NA	NA	27.4	333	NA	1.51	15.3	15.2
IRON	mg/L		0.288	NA	NA	<0.1 U	0.0708 J	NA	2.11	9.31	9.81
MAGNESIUM	mg/L		13.1	NA	NA	23	195	NA	1.02	9.4	9.27
POTASSIUM	mg/L		0.626 J	NA	NA	<1 U	8.42	NA	0.56 J	18.9	19.1
SELENIUM	mg/L	0.05	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U
SODIUM	mg/L		71.8	NA	NA	203	599	NA	16	100	110
ANTIMONY	mg/L	0.006	0.00056 J	NA	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.01	0.00079 J	NA	NA	0.00184 J	0.0212	NA	0.00172 J	0.00239	0.00299
BARIUM	mg/L	2	0.296	8.75	NA	0.761	8.74	NA	0.056	0.292	0.288
CADMIUM	mg/L	0.005	<0.0006 U	NA	NA	0.00054 J	0.0006 J	NA	<0.0006 U	<0.0006 U	<0.0006 U
CHROMIUM	mg/L		0.00117 J	NA	NA	0.00184 J	0.0228	NA	0.00681	0.00306 J	0.00294 J
COBALT	mg/L		0.00203	NA	NA	<0.001 U	0.0159	NA	0.001 J	0.0281	0.0273
COPPER	mg/L	1.3	<0.002 U	NA	NA	0.00114 J	0.00381 J	NA	0.00184 J	0.00136 J	0.00129 J
LEAD	mg/L	0.015	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	0.001 J	<0.001 U	<0.001 U
MANGANESE	mg/L		0.00595	NA	NA	0.0127	0.571	NA	0.027	0.501	0.494
NICKEL	mg/L		0.00401 J	NA	NA	0.0135	0.0352	NA	0.00344 J	0.0275	0.0266
SILVER	mg/L		<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U	<0.001 U
THALLIUM	mg/L	0.002	<0.0002 U	NA	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L		0.00095 J	NA	NA	<0.001 U	<0.001 U	NA	0.00416	0.00145 J	0.00169 J
ZINC	mg/L		<0.025 U	NA	NA	0.0171 J	0.0255 J	NA	0.0187 J	0.0389 J	0.0362 J
MERCURY	mg/L	0.002	<0.0002 U	NA	NA	0.00023 J	<0.0002 U	NA	<0.0002 U	<0.0002 U	<0.0002 U
Perchlorate (6850)											
PERCHLORATE	ug/L		17.1	NA	6750	NA	1560	13.2	NA	8950	8800
Hexavalent Chromium (7196A)											
HEXAVALENT CHROMIUM	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)											
1,1,1,2-TETRACHLOROETHANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	200	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L		<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	5	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	0.767 J	0.802 J
1,1-DICHLOROETHANE	ug/L		<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	1.07	1.05
1,1-DICHLOROETHENE	ug/L	7	<1 U	NA	<10 U	NA	0.895 J	<1 U	NA	9.18	9.14
1,1-DICHLOROPROPENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L		<0.3 U	NA	<3 U	NA	<0.3 U	<0.3 U	NA	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	70	<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	<2 U	NA	<20 U	NA	<2 U	<2 U	NA	<2 UJ	<2 UJ
1,2-DIBROMOETHANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	600	<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	5	0.635 J	NA	17.9	NA	1.31	<0.5 U	NA	197	202
1,2-DICHLOROPROPANE	ug/L	5	<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L		<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	75	<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
2-BUTANONE	ug/L		<5 U	NA	<50 UJ	NA	<5 U	<5 U	NA	<5 U	<5 U
2-CHLOROTOLUENE	ug/L		<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
2-HEXANONE	ug/L		<5 U	NA	<50 UJ	NA	<5 U	<5 U	NA	<5 U	<5 U
4-CHLOROTOLUENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L		<5 U	NA	<50 U	NA	<5 U	<5 U	NA	<5 U	<5 U
ACETONE	ug/L		<5 U	NA	<50 UJ	NA	<5 U	<5 UJ	NA	2.65 J	2.85 J
BENZENE	ug/L	5	<0.25 U	NA	<2.5 U	NA	1.23	<0.25 U	NA	1.45	1.46
BROMOBENZENE	ug/L		<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L		<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	80	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
BROMOFORM	ug/L	80	<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
BROMOMETHANE	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
CARBON DISULFIDE	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	1.4 J	1.02 J
CARBON TETRACHLORIDE	ug/L	5	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	100	<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
CHLOROETHANE	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
CHLOROFORM	ug/L	80	<0.25 U	NA	3.96 J	NA	6.2	<0.25 U	NA	4.86	4.95
CHLOROMETHANE	ug/L		<1 U	NA	<10 UJ	NA	<1 U	<1 U	NA	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	70	0.315 J	NA	5.76 J	NA	<0.5 U	<0.5 U	NA	65.6	66.3
CIS-1,3-DICHLOROPROPENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	80	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	700	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
m,p-Xylene	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	5	<0.5 U	NA	3.37 J	NA	0.448 J	<0.5 U	NA	0.375 J	0.39 J
NAPHTHALENE	ug/L		<0.4 U	NA	<4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L		<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
O-XYLENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
STYRENE	ug/L	100	<0.25 U	NA	<2.5 U	NA	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L		<0.5 U	NA	<5 U	NA	0.864 J	<0.5 U	NA	1.06	1.07
TOLUENE	ug/L	1000	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	100	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	3.19	3.13
TRANS-1,3-DICHLOROPROPENE	ug/L		<1 U	NA	<10 U	NA	<1 U	<1 U	NA	<1 U	<1 U
TRICHLOROETHENE	ug/L		27.6	NA	1030	NA	413	<0.5 U	NA	3100	3040
TRICHLOROFLUOROMETHANE	ug/L		<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	2	<0.5 U	NA	<5 U	NA	<0.5 U	<0.5 U	NA	2.98	2.86
Hexachlorobenzene (8270D)											
HEXACHLOROBENZENE	ug/L	1	0.5 J	NA	NA	NA	<0.5 UJ	<0.5 UJ	NA	<0.5 U	<0.5 UJ
Chromium Trivalent (SM 3500-CR)											
Chromium, Trivalent	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA

MCL: Maximum Contamination Limit as determined by
EPA Region 6 Guidelines.

Location ID: / Date Sampled:	Unit	MCL	18CPTMW24-051313 5/14/2013	18WW09-050913 5/9/2013	18WW18-050713F 5/7/2013	18WW20-050913 5/9/2013	18WW20-050913F 5/9/2013	18WW22-051313 5/13/2013	C02-050913 5/9/2013	C02-050913-F 5/9/2013	CO3-050713 5/7/2013
ID Location:			Site 18/24 – E, outside the fence line, on the road surrounding the fence line Sampled Semi-annually	Site 18/24 – NW, outside the fence line, near Harrison Bayou Sampled Annually	Site 18/24 – NE, outside the fence line, by the outer loop road Filtered Sampled Semi-annually	Site 18/24 – N, outside the fence line, near Harrison Bayou Sampled Annually	Site 18/24 – N, outside the fence line, near Harrison Bayou Filtered Sampled Annually	Site 18/24 – NNE, outside the fence line, on the road heading north Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Sampled Annually	Site 18/24 – W, outside the fence line, along the outer loop road Filtered Sampled Annually	Site 18/24 – NE, outside the fence line, along the outer loop road Sampled Annually
Metals (6010C/6020B/7471)											
ALUMINUM	mg/L		<0.1 U	<0.1 U	<0.1 U	NA	<0.1 U	<0.1 U	NA	<0.1 U	<0.1 U
BERYLLIUM	mg/L	0.004	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
CALCIUM	mg/L		341	15.7	38.1	NA	2.11	11.7	NA	18.2	56.4
IRON	mg/L		0.118 J	33.6	77.5	NA	1.44	0.442	NA	43.8	87.5
MAGNESIUM	mg/L		258	9.51	24.9	NA	1.45	4.23	NA	12.8	32
POTASSIUM	mg/L		16.5	1.88 J	2.98	NA	1.55 J	12.2	NA	3.36	3.49
SELENIUM	mg/L	0.05	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
SODIUM	mg/L		972	49.5	133	NA	24.1	30.3	NA	78.7	160
ANTIMONY	mg/L	0.006	<0.001 U	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
ARSENIC	mg/L	0.01	0.028	0.00218	0.00864	NA	<0.001 U	0.00264	NA	0.00211	0.00842
BARIUM	mg/L	2	8.63	0.257	0.989	NA	0.0811	0.153	NA	0.379	1.5
CADMIUM	mg/L	0.005	0.00052 J	<0.0006 U	<0.0006 U	NA	<0.0006 U	<0.0006 U	NA	<0.0006 U	<0.0006 U
CHROMIUM	mg/L		0.0134	0.0366	0.00129 J	NA	<0.002 U	0.0056	NA	<0.002 U	0.00217 J
COBALT	mg/L		0.00632	0.00067 J	<0.001 U	NA	<0.001 U	0.00068 J	NA	<0.001 U	0.00273
COPPER	mg/L	1.3	0.00375 J	0.00195 J	0.00104 J	NA	<0.002 U	<0.002 U	NA	<0.002 U	0.00127 J
LEAD	mg/L	0.015	<0.001 U	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
MANGANESE	mg/L		0.332	0.613 J	1.4	NA	0.0492	0.0228	NA	1.27	1.81
NICKEL	mg/L		0.0297	0.0179	0.00551 J	NA	<0.004 U	0.0021 J	NA	<0.004 U	0.00509 J
SILVER	mg/L		<0.001 U	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
THALLIUM	mg/L	0.002	<0.0002 U	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
VANADIUM	mg/L		<0.05 U	<0.001 U	<0.001 U	NA	<0.001 U	0.00466	NA	<0.001 U	<0.001 U
ZINC	mg/L		0.0136 J	<0.025 U	0.0149 J	NA	<0.025 U	<0.025 U	NA	<0.025 U	0.0398 J
MERCURY	mg/L	0.002	<0.0002 U	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
Perchlorate (6850)											
PERCHLORATE	ug/L		710	<0.2 U	<0.2 U	<0.2 U	NA	0.234 J	<0.2 U	NA	121
Hexavalent Chromium (7196A)											
HEXAVALENT CHROMIUM	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)											
1,1,1,2-TETRACHLOROETHANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	200	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L		<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L		<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	7	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
1,1-DICHLOROPROPENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L		<0.3 U	<0.3 U	<0.3 U	<0.3 U	NA	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	70	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	<2 UJ	<2 U	<2 U	<2 U	NA	<2 U	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	600	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	5	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L		<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	75	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L		<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 UJ	NA	<5 U
2-CHLOROTOLUENE	ug/L		<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L		<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 UJ	NA	<5 U
4-CHLOROTOLUENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L		<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 U	NA	<5 U
ACETONE	ug/L		<5 UJ	<5 U	<5 U	<5 U	NA	<5 UJ	<5 UJ	NA	<5 U
BENZENE	ug/L	5	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L		<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L		<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	80	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	80	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
CARBON TETRACHLORIDE	ug/L	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	100	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	80	0.144 J	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 UJ	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	70	0.53 J	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	80	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	700	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	2.2	NA	0.336 J
NAPHTHALENE	ug/L		<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L		<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	100	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	1000	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	100	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L		<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L		68.8	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	0.906 J	NA	0.476 J
TRICHLOROFLUOROMETHANE	ug/L		<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	2	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
Hexachlorobenzene (8270D)											
HEXACHLOROBENZENE	ug/L	1	<0.5 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Trivalent (SM 3500-CR)											
Chromium, Trivalent	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA

MCL: Maximum Contamination Limit as determined by
EPA Region 6 Guidelines.

Location ID: / Date Sampled:	Unit	MCL	C04-051113 5/11/2013	C04-051113-F 5/11/2013	CO6-050713 5/7/2013	C08-050713 5/7/2013	MW2-050913 5/9/2013	MW3-050713 5/7/2013	MW5-051313 5/13/2013	MW6-050913 5/9/2013	MW7-051413 5/14/2013
ID Location:			Site 18/24 – N, outside the fence line, along the road heading north Sampled Annually	Site 18/24 – N, outside the fence line, along the road heading north Filtered Sampled Annually	Site 18/24 – NE, outside the fence line, along the road heading northeast Sampled Annually	Site 18/24 – E, outside the fence line, along the road heading east-northeast Sampled Semi-annually	Site 18/24 – NE, inside the fence line, middle region Sampled Semi-annually	Site 18/24 – N, inside the fence line, outer region Sampled Semi-annually	Site 18/24 – N, inside the fence line, outer region Sampled Semi-annually	Site 18/24 – N, inside the fence line, outer region Sampled Annually	Site 18/24 – SW, outside the fence line, along the road surrounding the fence line Sampled Semi-annually
Metals (6010C/6020B/7471)											
ALUMINUM	mg/L		NA	<0.1 U	0.0522 J	0.492	0.0864 J	0.0542 J	<0.1 U	<0.1 U	<0.1 U
BERYLLIUM	mg/L	0.004	NA	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U
CALCIUM	mg/L		NA	7.43	24.1	243	164	16.7	18.5	33.5	8.42
IRON	mg/L		NA	7.81	69.3	0.79	12.3	0.189 J	0.239	0.608	3.34
MAGNESIUM	mg/L		NA	5.31	14.4	158	105	10.6	20.8	30.4	7.18
POTASSIUM	mg/L		NA	1.58 J	4.24	1.35 J	4.33	1.3 J	2	2.41	0.767 J
SELENIUM	mg/L	0.05	NA	<0.01 U	<0.01 U	<0.01 U	0.017 J	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SODIUM	mg/L		NA	25.1	259	971	314	178	111	291	263
ANTIMONY	mg/L	0.006	NA	<0.001 U	<0.001 U	0.00119 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
ARSENIC	mg/L	0.01	NA	0.00084 J	0.00523	0.0169	0.0106	0.00119 J	0.00142 J	0.00394	0.00412
BARIUM	mg/L	2	NA	0.207	0.999	5.46	5.73	0.293 J	0.828	0.832	0.0313
CADMIUM	mg/L	0.005	NA	<0.0006 U	<0.0006 U	<0.0006 U	0.00118 J	<0.0006 U	0.00088 J	<0.0006 U	<0.0006 U
CHROMIUM	mg/L		NA	<0.002 U	<0.002 U	0.00248 J	1.12	0.00147 J	0.0366	0.101	1.34
COBALT	mg/L		NA	<0.001 U	0.00378	0.00113 J	0.0906	0.00419	0.00443	0.00179 J	0.004
COPPER	mg/L	1.3	NA	<0.002 U	<0.002 U	0.00352 J	0.0029 J	0.00102 J	0.00194 J	0.00163 J	0.0147
LEAD	mg/L	0.015	NA	<0.001 U	<0.001 U	0.00078 J	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L		NA	0.244	0.987	0.0176	3.25	1.2	0.158	0.107	0.0601
NICKEL	mg/L		NA	<0.004 U	0.0043 J	0.0145	0.891	0.00543 J	0.118	0.0118	0.216
SILVER	mg/L		NA	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U
THALLIUM	mg/L	0.002	NA	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L		NA	<0.001 U	<0.001 U	0.00086 J	<0.04 U	<0.001 U	<0.001 U	<0.005 U	<0.05 U
ZINC	mg/L		NA	<0.025 UJ	<0.025 U	0.03 J	0.0442 J	<0.025 U	0.0216 J	<0.025 U	<0.025 U
MERCURY	mg/L	0.002	NA	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Perchlorate (6850)											
PERCHLORATE	ug/L		<0.2 U	NA	<0.2 U	<0.2 U	4780	11200	27600	8250	37500
Hexavalent Chromium (7196A)											
HEXAVALENT CHROMIUM	mg/L		NA	NA	NA	NA	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U
Volatile Organic Compounds (8260B)											
1,1,1,2-TETRACHLOROETHANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,1,1-TRICHLOROETHANE	ug/L	200	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L		<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
1,1,2-TRICHLOROETHANE	ug/L	5	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,1-DICHLOROETHANE	ug/L		<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	2.74	3.52	4.05	<6.25 U
1,1-DICHLOROETHENE	ug/L	7	<1 U	NA	<1 U	<1 U	<10000 U	1.5 J	0.715 J	1.11 J	14 J
1,1-DICHLOROPROPENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,2,3-TRICHLOROBENZENE	ug/L		<0.3 U	NA	<0.3 U	<0.3 U	<3000 U	<0.3 U	<0.3 U	<0.3 U	<7.5 U
1,2,3-TRICHLOROPROPANE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
1,2,4-TRICHLOROBENZENE	ug/L	70	<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
1,2,4-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	<2 U	NA	<2 U	<2 U	<20000 U	<2 U	<2 U	<2 U	<50 U
1,2-DIBROMOETHANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,2-DICHLOROBENZENE	ug/L	600	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
1,2-DICHLOROETHANE	ug/L	5	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	43.3
1,2-DICHLOROPROPANE	ug/L	5	<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
1,3,5-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
1,3-DICHLOROBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	0.587 J	0.865 J	<12.5 U
1,3-DICHLOROPROPANE	ug/L		<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
1,4-DICHLOROBENZENE	ug/L	75	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
2,2-DICHLOROPROPANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
2-BUTANONE	ug/L		<5 U	NA	<5 U	<5 U	<50000 U	<5 U	<5 U	<5 U	<125 U
2-CHLOROTOLUENE	ug/L		<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
2-HEXANONE	ug/L		<5 U	NA	<5 U	<5 U	<50000 U	<5 U	<5 U	<5 U	<125 U
4-CHLOROTOLUENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
4-METHYL-2-PENTANONE	ug/L		<5 U	NA	<5 U	<5 U	<50000 U	<5 U	<5 U	<5 U	<125 U
ACETONE	ug/L		<5 U	NA	<5 U	<5 U	<50000 U	<5 U	<5 UJ	<5 U	<125 U
BENZENE	ug/L	5	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	0.167 J	<0.25 U	0.187 J	7.79 J
BROMOBENZENE	ug/L		<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
BROMOCHLOROMETHANE	ug/L		<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
BROMODICHLOROMETHANE	ug/L	80	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
BROMOFORM	ug/L	80	<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
BROMOMETHANE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
CARBON DISULFIDE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
CARBON TETRACHLORIDE	ug/L	5	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
CHLOROBENZENE	ug/L	100	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
CHLOROETHANE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
CHLOROFORM	ug/L	80	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 UJ	0.374 J	<0.25 U	20.9 J
CHLOROMETHANE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
CIS-1,2-DICHLOROETHENE	ug/L	70	<0.5 U	NA	<0.5 U	<0.5 U	44400	27.9	10.5	12.4	22.2 J
CIS-1,3-DICHLOROPROPENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
DIBROMOCHLOROMETHANE	ug/L	80	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
DIBROMOMETHANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
DICHLORODIFLUOROMETHANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
ETHYLBENZENE	ug/L	700	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
HEXACHLOROBUTADIENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
ISOPROPYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
m,p-Xylene	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
METHYLENE CHLORIDE	ug/L	5	<0.5 U	NA	<0.5 U	<0.5 U	1050000	0.369 J	<0.5 U	<0.5 U	<12.5 U
NAPHTHALENE	ug/L		<0.4 U	NA	<0.4 U	<0.4 U	<4000 U	<0.4 U	<0.4 U	<0.4 U	<10 U
N-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
N-PROPYLBENZENE	ug/L		<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
O-XYLENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
P-ISOPROPYLTOLUENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
SEC-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
STYRENE	ug/L	100	<0.25 U	NA	<0.25 U	<0.25 U	<2500 U	<0.25 U	<0.25 U	<0.25 U	<6.25 U
TERT-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
TETRACHLOROETHENE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	0.256 J	<0.5 U	<0.5 U	<12.5 U
TOLUENE	ug/L	1000	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	100	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	0.529 J	<0.5 U	<0.5 U	<12.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L		<1 U	NA	<1 U	<1 U	<10000 U	<1 U	<1 U	<1 U	<25 U
TRICHLOROETHENE	ug/L		<0.5 U	NA	<0.5 U	13.2	68400	142	45.7	27.3	2690
TRICHLOROFLUOROMETHANE	ug/L		<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	<0.5 U	<0.5 U	<0.5 U	<12.5 U
VINYL CHLORIDE	ug/L	2	<0.5 U	NA	<0.5 U	<0.5 U	<5000 U	7.84	7.83	9.22	<12.5 U
Hexachlorobenzene (8270D)											
HEXACHLOROBENZENE	ug/L	1	NA	NA	NA	NA	<0.5 UJ	<0.5 U	<0.5 UJ	NA	<0.5 UJ
Chromium Trivalent (SM 3500-CR)											
Chromium, Trivalent	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA

MCL: Maximum Contamination Limit as determined by
EPA Region 6 Guidelines.

Location ID: / Date Sampled:	Unit	MCL	MW9-050913 5/9/2013	MW9-050913-FD 5/9/2013	MW10-050813 5/8/2013	MW10-050813F 5/8/2013	MW10-050813-FD 5/8/2013	MW10-050813F-FD 5/8/2013	MW16-051013 5/10/2013	MW16-051013-F 5/10/2013	MW17-051013 5/10/2013
ID Location:			Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line Sampled Semi-annually	Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line Filtered Dup Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Filtered Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Filtered Dup Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Filtered Dup Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the road surrounding the fence line Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the road surrounding the fence Filtered Sampled Semi-annually	Site 18/24 – W, outside the fence line, along the outer loop road Sampled Semi-annually
Metals (6010C/6020B/7471)											
ALUMINUM	mg/L		<0.1 U	<0.1 U	NA	<0.1 U	NA	<0.1 U	NA	<0.1 U	<0.1 U
BERYLLIUM	mg/L	0.004	<0.01 U	<0.01 U	NA	<0.01 U	NA	<0.01 U	NA	<0.01 U	<0.01 U
CALCIUM	mg/L		32.2	31.2	NA	18.1	NA	17.9	NA	26.2	40.2
IRON	mg/L		0.779	0.822	NA	11.3	NA	14.4	NA	55.5	1.89
MAGNESIUM	mg/L		12	11.7	NA	10.3	NA	10.1	NA	15.4	23.4
POTASSIUM	mg/L		0.816 J	0.779 J	NA	3.71	NA	3.63	NA	3.23	2.9
SELENIUM	mg/L	0.05	<0.01 U	<0.01 U	NA	<0.01 U	NA	<0.01 U	NA	<0.01 U	<0.01 U
SODIUM	mg/L		30.8	30	NA	96.4	NA	96.9	NA	100	85.5
ANTIMONY	mg/L	0.006	<0.001 U	<0.001 U	NA	<0.001 U	NA	<0.001 U	NA	<0.001 U	<0.001 U
ARSENIC	mg/L	0.01	<0.001 U	0.00077 J	NA	0.00198 J	NA	0.00186 J	NA	0.0039	0.00382
BARIUM	mg/L	2	0.31	0.311	NA	0.814	NA	1.06	NA	0.551	0.507
CADMIUM	mg/L	0.005	<0.0006 U	<0.0006 U	NA	<0.0006 U	NA	<0.0006 U	NA	<0.0006 U	<0.0006 U
CHROMIUM	mg/L		0.194	0.181	NA	0.0309	NA	0.031	NA	<0.002 U	0.0112
COBALT	mg/L		0.0019 J	0.00202	NA	0.00127 J	NA	0.00131 J	NA	0.00123 J	0.00412
COPPER	mg/L	1.3	0.00119 J	0.00116 J	NA	0.00575	NA	0.00576	NA	<0.002 U	<0.002 U
LEAD	mg/L	0.015	<0.001 U	<0.001 U	NA	<0.001 U	NA	<0.001 U	NA	<0.001 U	<0.001 U
MANGANESE	mg/L		0.0315	0.0326	NA	0.973	NA	1.28	NA	0.857	0.2
NICKEL	mg/L		0.139	0.134	NA	0.0646	NA	0.0648	NA	0.00596 J	0.0226
SILVER	mg/L		<0.001 U	<0.001 U	NA	<0.001 U	NA	<0.001 U	NA	<0.001 U	<0.001 U
THALLIUM	mg/L	0.002	<0.0002 U	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U	<0.0002 U
VANADIUM	mg/L		<0.005 U	<0.005 U	NA	<0.001 U	NA	<0.001 U	NA	<0.001 U	<0.001 U
ZINC	mg/L		<0.025 U	<0.025 U	NA	<0.025 U	NA	<0.025 U	NA	0.0145 J	<0.025 U
MERCURY	mg/L	0.002	<0.0002 U	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U	<0.0002 U
Perchlorate (6850)											
PERCHLORATE	ug/L		320	320	<0.2 U	NA	<0.2 U	NA	166	NA	<0.2 U
Hexavalent Chromium (7196A)											
HEXAVALENT CHROMIUM	mg/L		<0.01 U	<0.01 U	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)											
1,1,1,2-TETRACHLOROETHANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	200	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L		<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	5	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L		<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	0.346 J	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	7	<10 U	<10 U	<1 U	NA	<1 U	NA	2.04	NA	<1 U
1,1-DICHLOROPROPENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L		<3 U	<3 U	<0.3 U	NA	<0.3 U	NA	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	70	<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	<20 U	<20 U	<2 U	NA	<2 U	NA	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	600	<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	5	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	11.3	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	5	<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L		<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	75	<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L		<50 U	<50 U	<5 U	NA	<5 U	NA	<5 UJ	NA	<5 UJ
2-CHLOROTOLUENE	ug/L		<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L		<50 U	<50 U	<5 U	NA	<5 U	NA	<5 UJ	NA	<5 UJ
4-CHLOROTOLUENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L		<50 U	<50 U	<5 U	NA	<5 U	NA	<5 U	NA	<5 U
ACETONE	ug/L		<50 U	<50 U	<5 U	NA	<5 U	NA	<5 UJ	NA	<5 UJ
BENZENE	ug/L	5	<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L		<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L		<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	80	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	80	<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
BROMOMETHANE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
CARBON TETRACHLORIDE	ug/L	5	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	100	<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
CHLOROFORM	ug/L	80	2.81 J	2.75 J	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 UJ	NA	<1 UJ
CIS-1,2-DICHLOROETHENE	ug/L	70	205	203	<0.5 U	NA	<0.5 U	NA	5.12	NA	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	80	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	700	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	5	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	0.335 J
NAPHTHALENE	ug/L		<4 U	<4 U	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L		<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
STYRENE	ug/L	100	<2.5 U	<2.5 U	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	1000	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	100	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L		<10 U	<10 U	<1 U	NA	<1 U	NA	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L		2400	2370	0.698 J	NA	0.76 J	NA	89.9	NA	0.519 J
TRICHLOROFLUOROMETHANE	ug/L		<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	2	<5 U	<5 U	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U
Hexachlorobenzene (8270D)											
HEXACHLOROBENZENE	ug/L	1	<0.5 UJ	<0.5 UJ	NA	NA	NA	NA	<0.5 UJ	NA	<0.5 UJ
Chromium Trivalent (SM 3500-CR)											
Chromium, Trivalent	mg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA

MCL: Maximum Contamination Limit as determined by
EPA Region 6 Guidelines.

Location ID: / Date Sampled:	Unit	MCL	MW18-050813 5/8/2013	MW18-050813F 5/8/2013	MW19-050813 5/8/2013	MW19-050813F 5/8/2013	MW21-050713 5/7/2013	MW22-050813 5/8/2013	MW23-050813 5/8/2013
ID Location:			Site 18/24 – SW, outside the fence line, along the outer loop road Sampled Semi-annually	Site 18/24 – SW, outside the fence line, along the outer loop road Filtered Sampled Semi-annually	Site 18/24 – SSW, outside the fence line, along the outer loop road Sampled Semi-annually	Site 18/24 – SSW, outside the fence line, along the outer loop road Filtered Sampled Semi-annually	Site 18/24 – ENE, inside the fence line, middle region Sampled Semi-annually	Site 18/24 – ESE, inside the fence line, middle region Sampled Semi-annually	Site 18/24 – S, inside the fence line, middle region Sampled Semi-annually
Metals (6010C/6020B/7471)									
ALUMINUM	mg/L		NA	<0.1 U	NA	<0.1 U	<0.1 U	<0.1 U	<0.1 U
BERYLLIUM	mg/L	0.004	NA	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U	<0.01 U
CALCIUM	mg/L		NA	10.1	NA	126	281	47.6 J	8.63
IRON	mg/L		NA	1.51	NA	65.4	0.886	0.452	0.0595 J
MAGNESIUM	mg/L		NA	6.05	NA	67.5	210	13.6	5.79
POTASSIUM	mg/L		NA	1.38 J	NA	3.61	2.31	2.28	2.83
SELENIUM	mg/L	0.05	NA	<0.01 U	NA	<0.01 U	<0.01 U	<0.01 U	<0.01 U
SODIUM	mg/L		NA	90.4	NA	1220	704	412	290
ANTIMONY	mg/L	0.006	NA	<0.001 U	NA	<0.001 U	<0.001 U	0.00072 J	<0.001 U
ARSENIC	mg/L	0.01	NA	0.00151 J	NA	0.0165	0.0167	0.00664	0.00509
BARIUM	mg/L	2	NA	0.299	NA	0.145	10.8	0.922	0.287
CADMIUM	mg/L	0.005	NA	<0.0006 U	NA	<0.0006 U	0.00121	<0.0006 U	<0.0006 U
CHROMIUM	mg/L		NA	<0.002 U	NA	0.03	0.0803	0.0974	0.00888
COBALT	mg/L		NA	<0.001 U	NA	0.0189	0.0633	0.00184 J	0.00068 J
COPPER	mg/L	1.3	NA	<0.002 U	NA	0.0109	0.0125	0.00288 J	0.00218 J
LEAD	mg/L	0.015	NA	<0.001 U	NA	<0.001 U	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L		NA	0.126	NA	2.73	2.24	0.0223	0.00721
NICKEL	mg/L		NA	0.0278	NA	0.857	0.461	0.096	0.0118
SILVER	mg/L		NA	<0.001 U	NA	<0.001 U	<0.001 U	<0.001 U	<0.001 U
THALLIUM	mg/L	0.002	NA	<0.0002 U	NA	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
VANADIUM	mg/L		NA	<0.001 U	NA	<0.005 U	<0.01 U	<0.005 U	0.00557
ZINC	mg/L		NA	<0.025 U	NA	0.0151 J	0.0355 J	<0.025 U	<0.025 U
MERCURY	mg/L	0.002	NA	<0.0002 U	NA	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Perchlorate (6850)									
PERCHLORATE	ug/L		0.783	NA	<0.2 U	NA	43700	1510	55600
Hexavalent Chromium (7196A)									
HEXAVALENT CHROMIUM	mg/L		NA	NA	NA	NA	<0.01 U	<0.01 U	<0.01 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,1,1-TRICHLOROETHANE	ug/L	200	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L		<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
1,1,2-TRICHLOROETHANE	ug/L	5	<0.5 U	NA	<0.5 U	NA	19 J	<1 U	<2.5 U
1,1-DICHLOROETHANE	ug/L		<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
1,1-DICHLOROETHENE	ug/L	7	<1 U	NA	<1 U	NA	25.7 J	<2 U	<5 U
1,1-DICHLOROPROPENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,2,3-TRICHLOROBENZENE	ug/L		<0.3 U	NA	<0.3 U	NA	<15 U	<0.6 U	<1.5 U
1,2,3-TRICHLOROPROPANE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
1,2,4-TRICHLOROBENZENE	ug/L	70	<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
1,2,4-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	<2 U	NA	<2 U	NA	<100 U	<4 U	<10 U
1,2-DIBROMOETHANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,2-DICHLOROBENZENE	ug/L	600	<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
1,2-DICHLOROETHANE	ug/L	5	<0.5 U	NA	0.707 J	NA	106	2.7	16
1,2-DICHLOROPROPANE	ug/L	5	<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
1,3,5-TRIMETHYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,3-DICHLOROBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
1,3-DICHLOROPROPANE	ug/L		<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
1,4-DICHLOROBENZENE	ug/L	75	<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
2,2-DICHLOROPROPANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
2-BUTANONE	ug/L		<5 U	NA	<5 U	NA	<250 U	<10 U	13.8 J
2-CHLOROTOLUENE	ug/L		<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
2-HEXANONE	ug/L		<5 U	NA	<5 U	NA	<250 U	<10 U	<25 U
4-CHLOROTOLUENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
4-METHYL-2-PENTANONE	ug/L		<5 U	NA	<5 U	NA	<250 U	<10 U	<25 U
ACETONE	ug/L		<5 U	NA	<5 U	NA	<250 U	<10 U	<25 U
BENZENE	ug/L	5	<0.25 U	NA	<0.25 U	NA	8.7 J	1.31 J	0.873 J
BROMOBENZENE	ug/L		<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
BROMOCHLOROMETHANE	ug/L		<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
BROMODICHLOROMETHANE	ug/L	80	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
BROMOFORM	ug/L	80	<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
BROMOMETHANE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
CARBON DISULFIDE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
CARBON TETRACHLORIDE	ug/L	5	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
CHLOROBENZENE	ug/L	100	<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	0.98 J
CHLOROETHANE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
CHLOROFORM	ug/L	80	<0.25 U	NA	<0.25 U	NA	25.7 J	1.99 J	1.4 J
CHLOROMETHANE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
CIS-1,2-DICHLOROETHENE	ug/L	70	<0.5 U	NA	1.15	NA	169	2.13	2.62 J
CIS-1,3-DICHLOROPROPENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
DIBROMOCHLOROMETHANE	ug/L	80	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
DIBROMOMETHANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
DICHLORODIFLUOROMETHANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
ETHYLBENZENE	ug/L	700	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
HEXACHLOROBUTADIENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
ISOPROPYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
m,p-Xylene	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
METHYLENE CHLORIDE	ug/L	5	<0.5 U	NA	<0.5 U	NA	<25 U	0.531 J	<2.5 U
NAPHTHALENE	ug/L		<0.4 U	NA	<0.4 U	NA	<20 U	<0.8 U	<2 U
N-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
N-PROPYLBENZENE	ug/L		<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
O-XYLENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
P-ISOPROPYLTOLUENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
SEC-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
STYRENE	ug/L	100	<0.25 U	NA	<0.25 U	NA	<12.5 U	<0.5 U	<1.25 U
TERT-BUTYLBENZENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
TETRACHLOROETHENE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
TOLUENE	ug/L	1000	<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	100	<0.5 U	NA	<0.5 U	NA	13.8 J	<1 U	<2.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L		<1 U	NA	<1 U	NA	<50 U	<2 U	<5 U
TRICHLOROETHENE	ug/L		2.57	NA	16	NA	14400	213	547
TRICHLOROFLUOROMETHANE	ug/L		<0.5 U	NA	<0.5 U	NA	<25 U	<1 U	<2.5 U
VINYL CHLORIDE	ug/L	2	<0.5 U	NA	<0.5 U	NA	68.8	<1 U	<2.5 U
Hexachlorobenzene (8270D)									
HEXACHLOROBENZENE	ug/L	1	<0.5 UJ	NA	<0.5 UJ	NA	<0.5 U	<0.5 U	<0.5 U
Chromium Trivalent (SM 3500-CR)									
Chromium, Trivalent	mg/L		NA	NA	NA	NA	NA	0.0974	0.00888

MCL: Maximum Contamination Limit as determined by
EPA Region 6 Guidelines.

Location ID: Sample Date:	Units	LH18/24-Air-5080-GWTP 5/21/2013	LH18/24-Air-5080-Stripper 5/21/2013	LH18/24-Air-5080-Downwind 5/22/2013	LH18/24-Air-5082-GWTP 5/28/2013	LH18/24-Air-5082-Stripper 5/28/2013	LH18/24-Air-5082-Downwind 5/29/2013
ID Location:		GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly
Volatile Organic Compounds (TO-15)							
1,1,1-TRICHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,1-DICHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,1-DICHLOROETHENE	ug/m3	<0.65 U	280	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2,4-TRICHLOROBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	1.1	<170 U	<0.86 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2-DIBROMOETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2-DICHLOROBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2-DICHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,2-DICHLOROPROPANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,3-Butadiene	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,3-DICHLOROBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,4-DICHLOROBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
1,4-DIOXANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
2-BUTANONE (MEK)	ug/m3	<6.5 U	<2200 U	<8.4 U	<6.7 U	<1700 U	<8.6 U
2-HEXANONE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
2-PROPANOL	ug/m3	<6.5 U	<2200 U	<8.4 U	<6.7 U	<1700 U	<8.6 U
4-ETHYLTOLUENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
4-METHYL-2-PENTANONE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
ACETONE	ug/m3	12	<2200 U	52	7	<1700 U	<8.6 U
ACETONITRILE	ug/m3	0.87	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
ACROLEIN	ug/m3	<2.6 U	<890 U	<3.4 U	<2.7 U	<660 U	<3.4 U
ACRYLONITRILE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
ALLYL CHLORIDE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
alpha-Pinene	ug/m3	1.6	<220 U	1.6	13	<170 U	2.7
BENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
BENZYL CHLORIDE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
BROMODICHLOROMETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
BROMOFORM	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
BROMOMETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CARBON DISULFIDE	ug/m3	<6.5 U	<2200 U	<8.4 U	<6.7 U	<1700 U	<8.6 U
CARBON TETRACHLORIDE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CHLOROBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CHLOROETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CHLOROFORM	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CHLOROMETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CIS-1,2-DICHLOROETHENE	ug/m3	4.9	19000	<0.84 U	4.6	19000	<0.86 U
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
CYCLOHEXANE	ug/m3	<1.3 U	<440 U	<1.7 U	<1.3 U	<330 U	<1.7 U
DIBROMOCHLOROMETHANE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
DICHLORODIFLUOROMETHANE	ug/m3	1.9	<220 U	1.9	1.9	<170 U	2.2
d-Limonene	ug/m3	2.9	<220 U	0.94	49	<170 U	10
ETHANOL	ug/m3	11	<2200 U	48	7.9	<1700 U	37
ETHYL ACETATE	ug/m3	<1.3 U	<440 U	<1.7 U	<1.3 U	<330 U	<1.7 U
ETHYLBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	0.88	<170 U	<0.86 U
HEXACHLOROBUTADIENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
ISOPROPYLBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
m,p-Xylene	ug/m3	1.8	<440 U	<1.7 U	2.8	<330 U	<1.7 U
METHYL METHACRYLATE	ug/m3	<1.3 U	<440 U	<1.7 U	<1.3 U	<330 U	<1.7 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
METHYLENE CHLORIDE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
NAPHTHALENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
n-Butyl Acetate	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
N-Heptane	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
n-Hexane	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
n-Nonane	ug/m3	1.1	<220 U	<0.84 U	1.6	<170 U	<0.86 U
n-Octane	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
N-PROPYLBENZENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
O-XYLENE	ug/m3	<0.65 U	<220 U	<0.84 U	0.76	<170 U	<0.86 U
Propene	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	0.93
STYRENE	ug/m3	1	<220 U	<0.84 U	0.84	<170 U	<0.86 U
TETRACHLOROETHENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
TETRAHYDROFURAN	ug/m3	1.3	<220 U	<0.84 U	1.6	<170 U	<0.86 U
TOLUENE	ug/m3	0.92	<220 U	<0.84 U	1.4	<170 U	0.94
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U
TRICHLOROETHENE	ug/m3	14	37000	<0.84 U	12	32000	<0.86 U
TRICHLOROFLUOROMETHANE	ug/m3	0.92	<220 U	0.91	0.95	<170 U	1.2
TRICHLOROTRIFLUOROETHANE	ug/m3	19	27000	1.8	17	11000	2.2
VINYL ACETATE	ug/m3	<6.5 U	<2200 U	<8.4 U	<6.7 U	<1700 U	<8.6 U
VINYL CHLORIDE	ug/m3	<0.65 U	<220 U	<0.84 U	<0.67 U	<170 U	<0.86 U

Location ID: Sample Date:	Units	LH18/24-SP140-7085-GRAB 6/5/2013	LH18/24-SP650-6081-COMP 5/21/2013	LH18/24-SP650-6081-GRAB 5/21/2013	LH18/24-SP650-6083-GRAB 5/28/2013	LH18/24-SP650-6085-GRAB 6/5/2013
ID Location:		GWTP – Collected from a spigot on the discharge of influent TK-140 Sampled Monthly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly
Ammonia (350.1)						
AMMONIA AS N	mg/L	NA	NA	NA	7.23	NA
Ortho-Phosphate (365.2)						
ORTHO-PHOSPHATE	mg/L	NA	NA	NA	0.918	NA
Total Organic Carbon (415.1)						
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	4.68	NA
Metals (6010C)						
ALUMINUM	mg/L	NA	NA	NA	NA	<0.1 U
IRON	mg/L	NA	NA	NA	NA	0.376
SELENIUM	mg/L	NA	<0.01 U	<0.01 U	NA	0.0064 J
Metals (6020A)						
ANTIMONY	mg/L	NA	NA	NA	NA	<0.001 U
ARSENIC	mg/L	NA	NA	NA	NA	0.00406
BARIUM	mg/L	NA	NA	NA	NA	0.126
CADMIUM	mg/L	NA	NA	NA	NA	<0.0006 U
CHROMIUM	mg/L	NA	NA	NA	NA	0.00626
COBALT	mg/L	NA	NA	NA	NA	0.000881 J
LEAD	mg/L	NA	<0.001 U	<0.001 U	NA	<0.001 U
NICKEL	mg/L	NA	NA	NA	NA	0.00791 J
SILVER	mg/L	NA	<0.001 U	<0.001 U	NA	<0.001 U
THALLIUM	mg/L	NA	NA	NA	NA	<0.0002 U
VANADIUM	mg/L	NA	NA	NA	NA	<0.001 U
ZINC	mg/L	NA	NA	NA	NA	0.041 J
Perchlorate (6850)						
PERCHLORATE	ug/L	15600	<0.2 U	<0.2 U	<0.2 U	NA
Hexavalent Chromium (7196A)						
HEXAVALENT CHROMIUM	mg/L	NA	<0.01 U	<0.01 U	NA	NA
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,1,1-TRICHLOROETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<20 U	NA	<0.4 U	NA	NA
1,1,2-TRICHLOROETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,1-DICHLOROETHANE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
1,1-DICHLOROETHENE	ug/L	45.1 J	NA	<1 U	NA	NA
1,1-DICHLOROPROPENE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,2,3-TRICHLOROBENZENE	ug/L	<15 U	NA	<0.3 U	NA	NA
1,2,3-TRICHLOROPROPANE	ug/L	<50 U	NA	<1 U	NA	NA
1,2,4-TRICHLOROBENZENE	ug/L	<20 U	NA	<0.4 U	NA	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,2-DIBROMO-3-CHLOROPROPAN	ug/L	<100 U	NA	<2 U	NA	NA
1,2-DIBROMOETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,2-DICHLOROBENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
1,2-DICHLOROETHANE	ug/L	27.8 J	NA	<0.5 U	NA	NA
1,2-DICHLOROPROPANE	ug/L	<20 U	NA	<0.4 U	NA	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,3-DICHLOROBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
1,3-DICHLOROPROPANE	ug/L	<20 U	NA	<0.4 U	NA	NA
1,4-DICHLOROBENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
2,2-DICHLOROPROPANE	ug/L	<25 U	NA	<0.5 U	NA	NA
2-BUTANONE	ug/L	<250 U	NA	<5 U	NA	NA
2-CHLOROTOLUENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
2-HEXANONE	ug/L	<250 U	NA	<5 UJ	NA	NA
4-CHLOROTOLUENE	ug/L	<25 U	NA	<0.5 U	NA	NA
4-METHYL-2-PENTANONE	ug/L	<250 UJ	NA	<5 U	NA	NA
ACETONE	ug/L	<250 U	NA	<5 U	NA	NA
BENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
BROMOBENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
BROMOCHLOROMETHANE	ug/L	<20 U	NA	<0.4 U	NA	NA
BROMODICHLOROMETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
BROMOFORM	ug/L	<50 U	NA	<1 U	NA	NA
BROMOMETHANE	ug/L	<50 U	NA	<1 U	NA	NA
CARBON DISULFIDE	ug/L	<50 U	NA	<1 U	NA	NA
CARBON TETRACHLORIDE	ug/L	<25 U	NA	<0.5 U	NA	NA
CHLOROBENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
CHLOROETHANE	ug/L	<50 U	NA	<1 U	NA	NA
CHLOROFORM	ug/L	12.4 J	NA	<0.25 U	NA	NA
CHLOROMETHANE	ug/L	<50 U	NA	<1 U	NA	NA
CIS-1,2-DICHLOROETHENE	ug/L	4180	NA	2.62	NA	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<25 U	NA	<0.5 U	NA	NA
DIBROMOCHLOROMETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
DIBROMOMETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
DICHLORODIFLUOROMETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
ETHYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
HEXACHLOROBUTADIENE	ug/L	<25 U	NA	<0.5 U	NA	NA
ISOPROPYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
m,p-Xylene	ug/L	<50 U	NA	<1 U	NA	NA
METHYLENE CHLORIDE	ug/L	27.6 J	NA	<0.5 U	NA	NA
NAPHTHALENE	ug/L	<20 U	NA	<0.4 U	NA	NA
N-BUTYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
N-PROPYLBENZENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
O-XYLENE	ug/L	<25 U	NA	<0.5 U	NA	NA
P-ISOPROPYLTOLUENE	ug/L	<25 U	NA	<0.5 U	NA	NA
SEC-BUTYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
STYRENE	ug/L	<12.5 U	NA	<0.25 U	NA	NA
TERT-BUTYLBENZENE	ug/L	<25 U	NA	<0.5 U	NA	NA
TETRACHLOROETHENE	ug/L	16.7 J	NA	<0.5 U	NA	NA
TOLUENE	ug/L	<25 U	NA	<0.5 U	NA	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<25 U	NA	<0.5 U	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<50 U	NA	<1 U	NA	NA
TRICHLOROETHENE	ug/L	7070	NA	1.74	NA	NA
TRICHLOROFLUOROMETHANE	ug/L	<25 U	NA	<0.5 U	NA	NA
VINYL CHLORIDE	ug/L	22.9 J	NA	0.522 J	NA	NA
Anions (9056)						
CHLORIDE	mg/L	NA	799	847	NA	NA
SULFATE	mg/L	NA	173	171	NA	NA

Location ID: Date Sampled:	Units	109-051013 5/11/2013	109-051013-F 5/11/2013	120-051113 5/11/2013	120-051113-F 5/11/2013	120-051113-FD 5/11/2013	18CPTMW01DW-051613 5/16/2013	18CPTMW01DWF-051613 5/16/2013	18CPTMW01SW-051613 5/16/2013
ID Location		Site 18/24 – NE, inside the fence line, outter region Samplec semi-annualy	Site 18/24 – NE, inside the fence line, outter region Filtered Sampled semi-annualy	Site 18/24 – W, insdie the fence line, outter region Sampled annually	Site 18/24 – W, insdie the fence line, outter region Filtered Sampled annualy	Site 18/24 – W, insdie the fence line, outter region Filtered Dup Sampled annually	Site 18/24 – NE, inside the fence line, middle region Deep Wilcox Sampled semi-annualy	Site 18/24 – NE, inside the fence line, middle region Deep Wilcox, filtered Sampled semi-annualy	Site 18/24 – NE, inside the fence line, middle region Shallow Wilcox Sampled semi-annualy
TOTAL ORGANIC CARBON (TOC) (415.1)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010C)									
ALUMINUM	mg/L	NA	<0.1 U	NA	2.8	1.98	NA	1.82	0.191 J
BERYLLIUM	mg/L	NA	<0.01 U	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
CALCIUM	mg/L	NA	21.3	NA	19.3	19.6	NA	7.29	7.41
IRON	mg/L	NA	0.0535 J	NA	3.15	2.4	NA	2.15	2.89
MAGNESIUM	mg/L	NA	15.5	NA	19.9	19.6	NA	3.39	4.04
POTASSIUM	mg/L	NA	<1 U	NA	2.24	2.06	NA	5	365
SELENIUM	mg/L	NA	0.0177 J	NA	0.00629 J	0.00859 J	NA	<0.01 U	<0.01 U
SODIUM	mg/L	NA	175	NA	562	587	NA	204	192
Metals (6020A)									
ANTIMONY	mg/L	NA	0.000513 J	NA	0.00159 J	0.0011 J	NA	<0.001 UJ	<0.001 U
ARSENIC	mg/L	NA	0.00183 J	NA	0.00515	0.00548	NA	0.00428	0.00298
BARIUM	mg/L	NA	0.303	NA	0.0909	0.0972	NA	0.0892	0.259 J
CADMIUM	mg/L	NA	0.000357 J	NA	0.000725 J	0.000856 J	NA	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	NA	<0.002 U	NA	0.00562	0.00626	NA	<0.002 U	0.0237
COBALT	mg/L	NA	<0.001 U	NA	0.0352	0.038	NA	0.002	0.000857 J
COPPER	mg/L	NA	0.00121 J	NA	0.00377 J	0.00431	NA	0.00326 J	0.00187 J
LEAD	mg/L	NA	<0.001 U	NA	0.00212	0.00239	NA	0.00252	<0.001 U
MANGANESE	mg/L	NA	0.019	NA	0.412	0.449	NA	0.0144	0.0732
NICKEL	mg/L	NA	0.00425 J	NA	0.0311	0.0338	NA	0.0096	<0.004 U
SILVER	mg/L	NA	<0.001 U	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
THALLIUM	mg/L	NA	0.000166 J	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
VANADIUM	mg/L	NA	0.000698 J	NA	0.0088	0.00971	NA	0.00611	0.00785
ZINC	mg/L	NA	<0.025 U	NA	0.0679	0.069	NA	0.0219 J	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	50400	NA	95000	NA	81500	<0.2 U	NA	38.3
Mercury (7470A)									
MERCURY	mg/L	NA	<0.0002 U	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<5 U	NA	9.12	NA	9.36	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L	2.89 J	NA	32.7	NA	33.5	<0.25 U	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	13.5 J	NA	211	NA	214	<1 U	NA	<1 U
1,1-DICHLOROPROPENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<3 U	NA	<0.3 U	NA	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<5 U	NA	0.895 J	NA	0.87 J	<0.5 U	NA	0.555 J
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<20 U	NA	<2 U	NA	<2 U	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<2.5 U	NA	0.929 J	NA	0.89 J	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	<5 U	NA	57.9	NA	57.8	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<4 U	NA	<0.4 U	NA	0.256 J	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<5 U	NA	0.365 J	NA	0.366 J	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<4 U	NA	<0.4 U	NA	<0.4 U	<0.4 UJ	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<2.5 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	<50 U	NA	<5 UJ	NA	<5 UJ	<5 UJ	NA	<5 UJ
2-CHLOROTOLUENE	ug/L	<2.5 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	<50 U	NA	<5 UJ	NA	<5 UJ	<5 UJ	NA	<5 U
4-CHLOROTOLUENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<50 U	NA	<5 UJ	NA	<5 UJ	<5 UJ	NA	<5 UJ
ACETONE	ug/L	<50 U	NA	<5 U	NA	<5 U	<5 U	NA	<5 UJ
BENZENE	ug/L	<2.5 U	NA	7.77	NA	7.9	<0.25 U	NA	5.22 J+
BROMOBENZENE	ug/L	<2.5 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	<4 U	NA	<0.4 U	NA	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 UJ	NA	<1 U
CARBON DISULFIDE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	2.59 J+
CARBON TETRACHLORIDE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	<2.5 U	NA	0.165 J	NA	0.173 J	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	3.76 J	NA	68.5	NA	67.7	<0.25 U	NA	0.635 J
CHLOROMETHANE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	233	NA	2260	NA	2290	0.302 J	NA	19.1 J+
CIS-1,3-DICHLOROPROPENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<5 U	NA	<0.5 U	NA	0.502 J	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	0.536 J
HEXACHLOROBUTADIENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L	<10 U	NA	1.73 J	NA	1.85 J	<1 U	NA	2.34 J+
METHYLENE CHLORIDE	ug/L	<5 U	NA	168	NA	170	21.8	NA	2630
NAPHTHALENE	ug/L	<4 U	NA	0.979 J	NA	0.964 J	<0.4 U	NA	0.455 J
N-BUTYLBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	<2.5 U	NA	0.201 J	NA	0.182 J	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	<5 U	NA	3.31	NA	3.35	<0.5 U	NA	1.76 J+
P-ISOPROPYLTOLUENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	<2.5 U	NA	<0.25 U	NA	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	<5 U	NA	11.8	NA	11.4	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	<5 U	NA	0.623 J	NA	0.668 J	<0.5 U	NA	4.51 J+
TRANS-1,2-DICHLOROETHENE	ug/L	4.99 J	NA	28.4	NA	27.5	<0.5 U	NA	0.534 J
TRANS-1,3-DICHLOROPROPENE	ug/L	<10 U	NA	<1 U	NA	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	1160	NA	24500	NA	24600	2.29	NA	91.4 J+
TRICHLOROFLUOROMETHANE	ug/L	<5 U	NA	<0.5 U	NA	<0.5 U	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	9.84 J	NA	152	NA	154	<0.5 U	NA	<0.5 U
Semivolatile Organics (8270D)									
HEXACHLOROBENZENE	ug/L	<0.5 UJ	NA	NA	NA	NA	<0.5 UJ	NA	<0.5 U
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
RSK-175									
ETHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
ETHENE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
METHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
SM 2320B									
ALKALINITY, TOTAL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SM3500FE									
FERROUS IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled:	Units	18CPTMW04-051613 5/17/2013	18CPTMW04SW-051613 5/16/2013	18CPTMW04SW-051613-FD 5/16/2013	18CPTMW04SWF-051613 5/16/2013	18CPTMW04SWF-051613-FD 5/16/2013	18CPTMW06-051713 5/17/2013	18CPTMW06F-051713 5/17/2013	18CPTMW07-081413 5/14/2013
ID Location		Site 18/24 – NW, inside the fence line, middle region Sampled semi-annually	Site 18/24 – NW, inside the fence line, middle region Shallow Wilcox Sampled semi-annually	Site 18/24 – NW, inside the fence line, middle region Shallow Wilcox, dup Sampled semi-annually	Site 18/24 – NW, inside the fence line, middle region Shallow Wilcox, filtered Sampled semi-annually	Site 18/24 – NW, inside the fence line, middle region Shallow Wilcox, filtered dup Sampled semi-annually	Site 18/24 – SSE, inside the fence line, middle region Sampled semi-annually	Site 18/24 – SSE, inside the fence line, middle region Filtered Sampled semi-annually	Site 18/24 – NNE, inside the fence line, outter region Sampled semi-annually
TOTAL ORGANIC CARBON (TOC) (415.1)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010C)									
ALUMINUM	mg/L	<0.1 U	NA	NA	<0.1 U	<0.1 U	NA	0.0851 J	0.263
BERYLLIUM	mg/L	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
CALCIUM	mg/L	46.7	NA	NA	17.1	18.1	NA	6.17	7.42
IRON	mg/L	0.245	NA	NA	0.0854 J	0.154 J	NA	<0.1 U	0.431
MAGNESIUM	mg/L	36.8	NA	NA	12.5	13.2	NA	<0.5 U	2.38
POTASSIUM	mg/L	2.14	NA	NA	136	136	NA	674	211
SELENIUM	mg/L	<0.01 U	NA	NA	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
SODIUM	mg/L	311	NA	NA	131	135	NA	284	177
Metals (6020A)									
ANTIMONY	mg/L	<0.001 U	NA	NA	<0.001 UJ	<0.001 UJ	NA	0.0011 J	0.000828 J
ARSENIC	mg/L	0.00478	NA	NA	0.00229	0.00199 J	NA	0.0051	0.00625
BARIUM	mg/L	1.27 J	NA	NA	0.48 J	0.418 J	NA	0.258 J	0.156
CADMIUM	mg/L	<0.0006 U	NA	NA	<0.0006 U	<0.0006 U	NA	<0.0006 U	<0.0006 U
CHROMIUM	mg/L	<0.002 U	NA	NA	<0.002 U	<0.002 U	NA	0.0702	0.775
COBALT	mg/L	0.00225	NA	NA	0.000505 J	0.00058 J	NA	<0.001 U	0.000706 J
COPPER	mg/L	<0.002 U	NA	NA	<0.002 U	<0.002 U	NA	0.00117 J	0.00144 J
LEAD	mg/L	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
MANGANESE	mg/L	0.204	NA	NA	0.0718	0.0842	NA	0.00243 J	0.0409
NICKEL	mg/L	0.00463 J	NA	NA	<0.004 U	<0.004 U	NA	<0.004 U	0.00304 J
SILVER	mg/L	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
THALLIUM	mg/L	<0.0002 U	NA	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
VANADIUM	mg/L	<0.001 U	NA	NA	<0.001 U	<0.001 U	NA	0.0129	<0.02 U
ZINC	mg/L	<0.025 U	NA	NA	<0.025 U	<0.025 U	NA	<0.025 U	<0.025 U
Perchlorate (6850)									
PERCHLORATE	ug/L	6.48	0.453	0.463	NA	NA	6.56	NA	3.4
Mercury (7470A)									
MERCURY	mg/L	<0.0002 U	NA	NA	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	1.83 J	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	NA	NA	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 UJ	<2 UJ	<2 UJ	NA	NA	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	0.39 J	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	<5 UJ	<5 UJ	<5 UJ	NA	NA	<5 UJ	NA	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	<5 UJ	<5 UJ	<5 UJ	NA	NA	<5 UJ	NA	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 UJ	<5 UJ	<5 UJ	NA	NA	<5 UJ	NA	<5 U
ACETONE	ug/L	<5 UJ	<5 U	<5 UJ	NA	NA	7.42 J	NA	<5 U
BENZENE	ug/L	<0.25 U	<0.25 UJ	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
BROMOMETHANE	ug/L	<1 UJ	<1 UJ	<1 UJ	NA	NA	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L	<1 U	2.47	2.18	NA	NA	1.26 J	NA	0.951 J
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L	<1 UJ	<1 UJ	<1 UJ	NA	NA	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	49.5	<0.5 U	<0.5 U	NA	NA	9.21	NA	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L	<1 U	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	0.785 J	0.791 J	NA	NA	597	NA	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	NA	NA	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	NA	NA	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	0.633 J	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	NA	NA	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	86.6	<0.5 U	<0.5 U	NA	NA	30.9	NA	0.861 J
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	1.29	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 U
Semivolatile Organics (8270D)									
HEXACHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	NA	NA	<0.5 U	NA	<0.5 UJ
Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
RSK-175									
ETHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
ETHENE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
METHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
SM 2320B									
ALKALINITY, TOTAL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SM3500FE									
FERROUS IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled:	Units	18CPTMW08DW-051713 5/17/2013	18CPTMW08DWF-051713 5/17/2013	18CPTMW10DW-051713 5/17/2013	18CPTMW12DW-060413 6/4/2013	18CPTMW12SW-060413 6/4/2013	18CPTMW12SWF-060413 6/4/2013	18CPTMW15-051413 5/14/2013
ID Location		Site 18/24 – N, inside the fence line, outter region Deep Wilcox Sampled semi-annually	Site 18/24 – N, inside the fence line, outter region Deep Wilcox, filtered Sampled semi-annually	Site 18/24 – WSW, outside the fence line, along the outter loop road Deep Wilcox Sampled semi-annually	Site 18/24 – SW, outside the fence line, along the road surrounding the fence line Deep Wilcox Sampled semi-annually	Site 18/24 – SW, outside the fence line, along the road surrounding the fence line Shallow Wilcox Sampled semi-annually	Site 18/24 – SW, outside the fence line, along the road surrounding the fence line Shallow Wilcox, filtered Sampled semi-annually	Site 18/24 – NW, outside the fence line Sampled semi-annually
TOTAL ORGANIC CARBON (TOC) (415.1)	mg/L	NA	NA	NA	NA	NA	NA	NA
Metals (6010C)								
ALUMINUM	mg/L	NA	<0.1 U	<0.1 U	<0.1 U	NA	<0.1 U	0.282
BERYLLIUM	mg/L	NA	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
CALCIUM	mg/L	NA	9.02	32.8	16.6 J	NA	42.7 J	25.8
IRON	mg/L	NA	<0.1 U	16.2	1.83	NA	16.8	1.08
MAGNESIUM	mg/L	NA	5.43	12.5	9.11	NA	26.7	25
POTASSIUM	mg/L	NA	91.2	7.58	31.7	NA	28.2	6.1
SELENIUM	mg/L	NA	<0.01 U	<0.01 U	<0.01 U	NA	<0.01 U	<0.01 U
SODIUM	mg/L	NA	134	152	162 J	NA	204 J	309
Metals (6020A)								
ANTIMONY	mg/L	NA	0.000673 J	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
ARSENIC	mg/L	NA	0.00134 J	0.00421	0.00319	NA	0.0125	0.00341
BARIUM	mg/L	NA	0.075	0.203	0.196	NA	0.78	0.514
CADMIUM	mg/L	NA	<0.0006 U	<0.0006 U	<0.0006 U	NA	<0.0006 U	0.000343 J
CHROMIUM	mg/L	NA	<0.002 U	<0.002 U	<0.002 U	NA	<0.002 U	<0.002 U
COBALT	mg/L	NA	<0.001 U	0.00215	0.000839 J	NA	0.0169	0.102
COPPER	mg/L	NA	<0.002 U	<0.002 U	<0.002 U	NA	<0.002 U	0.00386 J
LEAD	mg/L	NA	<0.001 U	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
MANGANESE	mg/L	NA	0.0256	0.426	0.22	NA	1.26	0.833
NICKEL	mg/L	NA	<0.004 U	0.00411 J	0.00298 J	NA	0.0111	0.0542
SILVER	mg/L	NA	<0.001 U	<0.001 U	<0.001 U	NA	<0.001 U	<0.001 U
THALLIUM	mg/L	NA	<0.0002 U	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
VANADIUM	mg/L	NA	<0.001 U	<0.001 U	0.000598 J	NA	<0.001 U	<0.001 U
ZINC	mg/L	NA	<0.025 U	<0.025 U	<0.025 U	NA	0.0274 J	0.066
Perchlorate (6850)								
PERCHLORATE	ug/L	0.468	NA	<0.2 U	0.385 J	<0.2 U	NA	825
Mercury (7470A)								
MERCURY	mg/L	NA	<0.0002 U	<0.0002 U	<0.0002 U	NA	<0.0002 U	<0.0002 U
Volatile Organic Compounds (8260B)								
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	<2 U	<2 U	NA	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 UJ	NA	<0.4 UJ	<0.4 U	<0.4 U	NA	<0.4 UJ
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	<5 UJ	NA	<5 UJ	<5 U	<5 U	NA	<5 UJ
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	<5 UJ	NA	<5 UJ	<5 U	<5 U	NA	<5 UJ
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 UJ	NA	<5 UJ	<5 U	<5 U	NA	<5 UJ
ACETONE	ug/L	<5 UJ	NA	<5 UJ	<5 U	<5 U	NA	<5 U
BENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L	<1 UJ	NA	<1 UJ	<1 U	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L	10.6	NA	<1 U	<1 U	1.92 J	NA	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.712 J
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
m,p-Xylene	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	0.402 J	NA	<0.5 U	<0.5 U	0.319 J	NA	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TOLUENE	ug/L	0.9 J	NA	0.277 J	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	0.271 J	NA	7.56	<0.5 U	4.31	NA	3.58
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.504 J
Semivolatile Organics (8270D)								
HEXACHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 UJ	<0.5 U	<0.5 U	NA	<0.5 U
Anions (9056)								
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA
RSK-175								
ETHANE	ug/L	NA	NA	NA	NA	NA	NA	NA
ETHENE	ug/L	NA	NA	NA	NA	NA	NA	NA
METHANE	ug/L	NA	NA	NA	NA	NA	NA	NA
SM 2320B								
ALKALINITY, TOTAL	mg/L	NA	NA	NA	NA	NA	NA	NA
SM3500FE								
FERROUS IRON	mg/L	NA	NA	NA	NA	NA	NA	NA

Location ID: Date Sampled:	Units	18CPTMW18-051513 5/15/2013	18CPTMW22-051513 5/15/2013	18CPTMW22-051513-MD 5/15/2013	18CPTMW22-051513-MS 5/15/2013	18WW08-051513 5/15/2013	MW8-051613 5/16/2013
ID Location		Site 18/24 – NE, outside the fence line, in the woods Sampled semi-anrually	Site 18/24 – S, outside the fence line, along the road surrounding the fence line Sampled semi-annually	Site 18/24 – S, outside the fence line, along the road surrounding the fence line Matrix spike duplicate Sampled semi-annually	Site 18/24 – S, outside the fence line, along the road surrounding the fence line Matrix spike Sampled semi-annually	Site 18/24 – NW, outside the fence line, in the woods Sampled semi-annually	Site 18/24 – SW, outside the fence line, inside the outter loop road Sampled semi-annually
TOTAL ORGANIC CARBON (TOC) (415.1)	mg/L	0.652 J	NA	NA	NA	4.05	3.67
Metals (6010C)							
ALUMINUM	mg/L	<0.1 U	<0.1 U	6.28	6.15	<0.1 U	<0.1 U
BERYLLIUM	mg/L	<0.01 U	<0.01 U	0.0316	0.0316	<0.01 U	<0.01 U
CALCIUM	mg/L	350	37.6	43.4	42.9	21.6	37.5
IRON	mg/L	0.124 J	0.0654 J	2.62	2.54	1.86	0.26
MAGNESIUM	mg/L	265	31.4	38.6	37.3	31.4	33.4
POTASSIUM	mg/L	3.8	1.38 J	33	32.4	1.46 J	0.762 J
SELENIUM	mg/L	<0.01 U	<0.01 U	0.24	0.237	<0.01 U	<0.01 U
SODIUM	mg/L	1180	145	178	173	348	270
Metals (6020A)							
ANTIMONY	mg/L	<0.001 U	<0.001 U	0.067	0.067	<0.001 U	<0.001 U
ARSENIC	mg/L	0.0152	0.002	0.0679	0.068	0.00369	0.00203
BARIUM	mg/L	0.637	0.472 J	0.545	0.557	0.0425	0.482
CADMIUM	mg/L	<0.0006 U	<0.0006 U	0.0664	0.0662	<0.0006 U	0.000985 J
CHROMIUM	mg/L	0.00235 J	<0.002 U	0.0673	0.0679	0.00826	0.0595
COBALT	mg/L	0.0212	0.00118 J	0.0671	0.0676	0.0376	0.034
COPPER	mg/L	0.00264 J	<0.002 U	0.0649	0.066	0.00174 J	0.0082
LEAD	mg/L	<0.001 U	<0.001 U	0.0676	0.0679	<0.001 U	<0.001 U
MANGANESE	mg/L	2.1	0.103	0.173	0.17	1.75	0.377
NICKEL	mg/L	0.0266	0.00318 J	0.0669	0.0665	0.0317	0.261
SILVER	mg/L	<0.001 U	<0.001 U	0.064	0.0629	<0.001 U	<0.001 U
THALLIUM	mg/L	<0.0002 U	<0.0002 U	0.0654	0.0655	<0.0002 U	<0.0002 U
VANADIUM	mg/L	<0.002 U	<0.001 U	0.0649	0.0664	<0.001 U	<0.002 U
ZINC	mg/L	0.0228 J	<0.025 U	0.0713	0.0732	0.0245 J	0.0375 J
Perchlorate (6850)							
PERCHLORATE	ug/L	0.602	118000	115000	113000	51.2	72000
Mercury (7470A)							
MERCURY	mg/L	<0.0002 U	<0.0002 U	0.00505	0.00453	<0.0002 U	<0.0002 U
Volatile Organic Compounds (8260B)							
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	21.2	21	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	20.8	21.1	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	22.3	22.7	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	21.4	21.8	<0.5 U	0.898 J
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	21.4	21.5	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	3.17	22.4	22.1	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	20.5	20.8	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	18.3	18.8	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 UJ	19.5	19.8	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	18.6	18.9	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	20.2	20.4	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	20.1	20.5	<2 UJ	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	21.2	21.2	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	18	18.2	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	0.278 J	21.8	22.1	<0.5 U	19.5
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	23.1	23.3	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	20.2	20.3	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	18	18.1	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 UJ	<0.4 U	21	20.8	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	18.6	18.9	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	18.1	18.5	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 UJ	<5 UJ	24.5	23.7	<5 U	<5 UJ
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	18.1	18.4	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 UJ	<5 U	20.8	20.1	<5 U	<5 UJ
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 UJ	17.5	17.4	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 UJ	<5 UJ	22.2	21.5	<5 U	<5 UJ
ACETONE	ug/L	<5 UJ	<5 UJ	29.4	31.2	<5 UJ	<5 UJ
BENZENE	ug/L	<0.25 U	<0.25 U	21.5	21.6	<0.25 U	0.368 J
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	19.2	19.1	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	22.2	22.3	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	22.2	21.6	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 UJ	20.4	20.3	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 UJ	11.1	9.5	<1 U	<1 U
CARBON DISULFIDE	ug/L	0.833 J	<1 U	18.6	18.8	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	19.6	19.9	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	18.7	18.7	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	23.6	23.9	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	1.93	24.3	23.5	0.452 J	1.99
CHLOROMETHANE	ug/L	<1 U	<1 U	21.7	22.5	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	0.407 J	22.3	22.4	<0.5 U	5.95
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	21.6	21.9	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	21.3	20.6	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	21.9	21.9	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	24.1 J+	23.3 J+	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	20.1	19.9	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	17.5	17.5	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	19	19.1	<0.5 U	<0.5 U
m,p-Xylene	ug/L	<1 U	<1 U	38.8	39.1	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	21	21.1	<0.5 U	0.351 J
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	19.2	19.9	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	19.2	19.4	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	17.4	17.6	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	19.1	19.1	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	18.1	18.2	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	17.7	17.8	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	21.5	21.6	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	17.9	18	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	19.5	19.2	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	20.4	20.5	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	3.91	24.9	24.8	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	17.7	17.7	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	66.4 J	78	78.6	<0.5 U	907
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	19	18.6	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	17	18.5	<0.5 U	<0.5 U
Semivolatile Organics (8270D)							
HEXACHLOROBENZENE	ug/L	<0.5 U	<0.5 U	7.86 J-	7.85 J-	<0.5 U	<0.5 U
Anions (9056)							
CHLORIDE	mg/L	3190	NA	NA	NA	506	525
SULFATE	mg/L	31.9	NA	NA	NA	222	15.6
RSK-175							
ETHANE	ug/L	<2 U	NA	NA	NA	<2 U	<2 U
ETHENE	ug/L	<2 U	NA	NA	NA	<2 U	<2 U
METHANE	ug/L	<2 U	NA	NA	NA	<2 U	<2 U
SM 2320B							
ALKALINITY, TOTAL	mg/L	363	NA	NA	NA	37.3	<20 U
SM3500FE							
FERROUS IRON	mg/L	<0.04 U	NA	NA	NA	0.266	<0.04 U

Location ID/Sample Name: Sample Date:	Units	18CPTMW08SW-060413 6/4/2013	18CPTMW10SW-060413 6/4/2013	18CPTMW10SWF-060413 6/4/2013	18CPTMW16-060413 6/4/2013	18CPTMW16F-060413 6/4/2013
ID Location:		Site 18/24 – N, inside the fence line, outer region. Shallow Wilcox, sampled semi-annually	Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line. Shallow Wilcox, sampled semi-annually	Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line. Shallow Wilcox, filtered, sampled semi-annually	Site 18/24 – NW, outside the fence line, along Harrison Bayou. Sampled semi-annually	Site 18/24 – NW, outside the fence line, along Harrison Bayou. Filtered, sampled semi-annually
Metals (6010C)						
ALUMINUM	mg/L	0.115 J	NA	<0.1 U	NA	<0.1 U
BERYLLIUM	mg/L	<0.01 U	NA	<0.01 U	NA	<0.01 U
CALCIUM	mg/L	32.8	NA	41.7	NA	10.2
IRON	mg/L	0.297	NA	25.7	NA	6.64
MAGNESIUM	mg/L	23.6	NA	19.9	NA	5.87
POTASSIUM	mg/L	29.7	NA	46.5	NA	2.15
SELENIUM	mg/L	<0.01 U	NA	<0.01 U	NA	<0.01 U
SODIUM	mg/L	154	NA	162	NA	60.6
Metals (6020A)						
ANTIMONY	mg/L	0.00066 J	NA	<0.001 U	NA	<0.001 U
ARSENIC	mg/L	0.00129 J	NA	0.00336	NA	0.00226
BARIUM	mg/L	0.91	NA	0.454	NA	0.165
CADMIUM	mg/L	<0.0006 U	NA	<0.0006 U	NA	<0.0006 U
CHROMIUM	mg/L	0.00411	NA	<0.002 U	NA	<0.002 U
COBALT	mg/L	0.0189	NA	0.00672	NA	0.00172 J
COPPER	mg/L	0.00121 J	NA	<0.002 U	NA	<0.002 U
LEAD	mg/L	<0.001 U	NA	<0.001 U	NA	<0.001 U
MANGANESE	mg/L	0.841	NA	0.773	NA	0.216
NICKEL	mg/L	0.0165	NA	0.00765 J	NA	<0.004 U
SILVER	mg/L	<0.001 U	NA	<0.001 U	NA	<0.001 U
THALLIUM	mg/L	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U
VANADIUM	mg/L	0.000803 J	NA	<0.001 U	NA	<0.001 U
ZINC	mg/L	0.0298 J	NA	0.0249 J	NA	<0.025 U
Perchlorate (6850)						
PERCHLORATE	ug/L	39100	16.6	NA	<0.2 U	NA
Mercury (7470A)						
MERCURY	mg/L	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	3.12	<0.25 U	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	0.86 J	<1 U	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	<5 U	NA	<5 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	<5 U	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 UJ	<5 UJ	NA	<5 UJ	NA
ACETONE	ug/L	<5 U	<5 U	NA	<5 U	NA
BENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
BROMOFORM	ug/L	<1 U	<1 U	NA	<1 U	NA
BROMOMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CARBON DISULFIDE	ug/L	0.515 J	<1 U	NA	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CHLOROFORM	ug/L	0.541 J	<0.25 U	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	14.2	<0.5 U	NA	<0.5 U	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
m,p-Xylene	ug/L	<1 U	<1 U	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	3.37	<0.5 U	NA	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
STYRENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	NA	<1 U	NA
TRICHLOROETHENE	ug/L	58.3	23.9	NA	<0.5 U	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
VINYL CHLORIDE	ug/L	9.99	<0.5 U	NA	<0.5 U	NA
Hexachlorobenzene (8270D)						
HEXACHLOROBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA

Location ID: Sample Date:	Units	HBW 10-060513 6/5/2013	HBW 1-060513 6/5/2013	HBW 7-060513 6/5/2013	PW133-060313 6/3/2013	PW134-060313 6/3/2013
ID Location:		Harrison Bayou - Grab sample, collected near the GWTP creek discharge Sampled Quarterly if the creek contains water	Harrison Bayou - Grab sample, south of LHAAP-16, downhill, and below the pump house Sampled Quarterly if the creek contains water	Harrison Bayou - Grab sample, at the backside of the Well field, down in the woods Sampled Quarterly if the creek contains water	Perimeter Well - NW corner of LHAAP	Perimeter Well - NW corner of LHAAP
Perchlorate (6850)						
PERCHLORATE	ug/L	<0.2 U	<0.2 U	<0.2 U	0.685	0.706

Location ID/Sample Name: Sample Date:	Units	LH18/24-Air-5084-GWTP 6/5/2013	LH18/24-Air-5084-Stripper 6/5/2013	LH18/24-Air-5084-Stripper-DUP 6/5/2013	LH18/24-Air-5084-Downwind 6/6/2013	LH18/24-Air-5087-GWTP 6/12/2013	LH18/24-Air-5087-Stripper 6/12/2013	LH18/24-Air-5087-Downwind 6/13/2013
ID Location:		GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line. Dup Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly
Ambeint Air (TO-15)								
1,1,1-TRICHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,1-DICHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,1-DICHLOROETHENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2,4-TRICHLOROBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2,4-TRIMETHYLBENZENE	ug/m3	3.1	<150 U	<150 U	0.97	2.2	<130 U	<0.79 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2-DIBROMOETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2-DICHLOROBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2-DICHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,2-DICHLOROPROPANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,3,5-TRIMETHYLBENZENE	ug/m3	0.95	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,3-BUTADIENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,3-DICHLOROBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,4-DICHLOROBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
1,4-DIOXANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
2-BUTANONE (MEK)	ug/m3	<7 U	<1500 U	<1500 U	<8 U	<6.7 U	<1300 U	<7.9 U
2-HEXANONE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
2-PROPANOL	ug/m3	<7 U	<1500 U	<1500 U	<8 U	16	<1300 U	<7.9 U
4-ETHYLTOLUENE	ug/m3	1.1	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
4-METHYL-2-PENTANONE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
ACETONE	ug/m3	13	<1500 U	<1500 U	14	7.1	<1300 U	8.1
ACETONITRILE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
ACROLEIN	ug/m3	<2.8 U	<590 U	<590 U	<3.2 U	<2.7 U	<510 U	<3.1 U
ACRYLONITRILE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
ALLYL CHLORIDE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
ALPHA-PINENE	ug/m3	3.4	<150 U	<150 U	5.4	1.9	<130 U	3.4
BENZENE	ug/m3	1	<150 U	<150 U	<0.8 U	1.1	<130 U	1
BENZYL CHLORIDE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
BROMODICHLOROMETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
BROMOFORM	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
BROMOMETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CARBON DISULFIDE	ug/m3	<7 U	<1500 U	<1500 U	<8 U	<6.7 U	<1300 U	<7.9 U
CARBON TETRACHLORIDE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CHLOROBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CHLOROETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CHLOROFORM	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CHLOROMETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CIS-1,2-DICHLOROETHENE	ug/m3	5.4	14000	14000	<0.8 U	1.3	16000	<0.79 U
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
CYCLOHEXANE	ug/m3	<1.4 U	<290 U	<300 U	<1.6 U	<1.3 U	<260 U	<1.6 U
DIBROMOCHLOROMETHANE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
DICHLORODIFLUOROMETHANE	ug/m3	2	<150 U	<150 U	2	1.9	<130 U	2
D-LIMONENE	ug/m3	2.9	<150 U	<150 U	2.4	2.4	<130 U	1.6
ETHANOL	ug/m3	32	<1500 U	<1500 U	46	19	<1300 U	15
ETHYL ACETATE	ug/m3	<1.4 U	<290 U	<300 U	<1.6 U	<1.3 U	<260 U	<1.6 U
ETHYLBENZENE	ug/m3	2.2	<150 U	<150 U	<0.8 U	1.4	<130 U	<0.79 U
HEXACHLOROBUTADIENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
ISOPROPYLBENZENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
M,P-XYLENE	ug/m3	6.6	<290 U	<300 U	1.7	4.7	<260 U	<1.6 U
METHYL METHACRYLATE	ug/m3	<1.4 U	<290 U	<300 U	<1.6 U	<1.3 U	<260 U	<1.6 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
METHYLENE CHLORIDE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
NAPHTHALENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
N-BUTYL ACETATE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
N-HEPTANE	ug/m3	2.2	<150 U	<150 U	1.4	0.94	<130 U	<0.79 U
N-HEXANE	ug/m3	2.9	<150 U	<150 U	1.3	1.5	<130 U	1.2
N-NONANE	ug/m3	4.4	<150 U	<150 U	1.5	1.8	<130 U	<0.79 U
N-OCTANE	ug/m3	3.5	<150 U	<150 U	1.3	0.82	<130 U	<0.79 U
N-PROPYLBENZENE	ug/m3	0.86	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
O-XYLENE	ug/m3	2.5	<150 U	<150 U	<0.8 U	1.7	<130 U	<0.79 U
PROPENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	6	<130 U	0.85
STYRENE	ug/m3	0.93	<150 U	<150 U	<0.8 U	0.79	<130 U	<0.79 U
TETRACHLOROETHENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
TETRAHYDROFURAN	ug/m3	0.73	<150 U	<150 U	<0.8 U	1.3	<130 U	<0.79 U
TOLUENE	ug/m3	3.7	<150 U	<150 U	1.4	2.9	<130 U	1.2
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U
TRICHLOROETHENE	ug/m3	12	18000	18000	<0.8 U	2.8	23000	<0.79 U
TRICHLOROFLUOROMETHANE	ug/m3	1	<150 U	<150 U	1	1	<130 U	1.1
TRICHLOROTRIFLUOROETHANE	ug/m3	14	6000	5900	4.6	3.6	9000	4.1
VINYL ACETATE	ug/m3	<7 U	<1500 U	<1500 U	<8 U	<6.7 U	<1300 U	<7.9 U
VINYL CHLORIDE	ug/m3	<0.7 U	<150 U	<150 U	<0.8 U	<0.67 U	<130 U	<0.79 U

Location ID/Sample Name: Sample Date:	Units	LH 8/24-Air-5089-GWTP 6/19/2013	LH 8/24-Air-5089-Stripper 6/19/2013	LH 8/24-Air-5089-Downwind 6/20/2013	LH18/24-Air-5091-GWTP 6/24/2013	LH18/24-Air-5091-Stripper 6/24/2013	LH18/24-Air-5091-Downwind 6/25/2013	LH 18/24-Air-5093-Downwind 7/1/2013
ID Location:		GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly
Ambeint Air (TO-15)								
1,1,1-TRICHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,1-DICHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,1-DICHLOROETHENE	ug/m3	<0.69 U	110	<0.66 U	<0.67 U	140	<0.66 U	<0.67 U
1,2,4-TRICHLOROBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2,4-TRIMETHYLBENZENE	ug/m3	1.2	<110 U	<0.66 U	3.5	<130 U	2	<0.67 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2-DIBROMOETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2-DICHLOROBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2-DICHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,2-DICHLOROPROPANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	0.97	<130 U	<0.66 U	<0.67 U
1,3-BUTADIENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,3-DICHLOROBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,4-DICHLOROBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
1,4-DIOXANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
2-BUTANONE (MEK)	ug/m3	<6.9 U	<1100 U	<6.6 U	<6.7 U	<1300 U	<6.6 U	<6.7 U
2-HEXANONE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
2-PROPANOL	ug/m3	<6.9 U	<1100 U	<6.6 U	<6.7 U	<1300 U	<6.6 U	<6.7 U
4-ETHYLTOLUENE	ug/m3	<0.69 U	<110 U	<0.66 U	0.89	<130 U	<0.66 U	<0.67 U
4-METHYL-2-PENTANONE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
ACETONE	ug/m3	13	<1100 U	11	18	<1300 U	19	10
ACETONITRILE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
ACROLEIN	ug/m3	<2.7 U	<440 U	<2.6 U	<2.7 U	<520 U	<2.6 U	<2.7 U
ACRYLONITRILE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
ALLYL CHLORIDE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
ALPHA-PINENE	ug/m3	2.7	<110 U	4.4	2.8	<130 U	1.9	5
BENZENE	ug/m3	1.4	<110 U	0.79	0.87	<130 U	0.68	<0.67 U
BENZYL CHLORIDE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
BROMODICHLOROMETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
BROMOFORM	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
BROMOMETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CARBON DISULFIDE	ug/m3	<6.9 U	<1100 U	<6.6 U	<6.7 U	<1300 U	<6.6 U	<6.7 U
CARBON TETRACHLORIDE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CHLOROBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CHLOROETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CHLOROFORM	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CHLOROMETHANE	ug/m3	0.79	<110 U	0.69	<0.67 U	<130 U	<0.66 U	<0.67 U
CIS-1,2-DICHLOROETHENE	ug/m3	10	14000	<0.66 U	4.9	12000	<0.66 U	<0.67 U
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
CYCLOHEXANE	ug/m3	<1.4 U	<220 U	<1.3 U	<1.3 U	<260 U	<1.3 U	<1.3 U
DIBROMOCHLOROMETHANE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
DICHLORODIFLUOROMETHANE	ug/m3	2.3	<110 U	2.1	1.9	<130 U	2	1.9
D-LIMONENE	ug/m3	1.2	<110 U	1.9	1.4	<130 U	1	1.5
ETHANOL	ug/m3	120	<1100 U	310	<6.7 U	<1300 U	190	21
ETHYL ACETATE	ug/m3	<1.4 U	<220 U	<1.3 U	<1.3 U	<260 U	1.4	<1.3 U
ETHYLBENZENE	ug/m3	1.2	<110 U	<0.66 U	1.6	<130 U	0.95	<0.67 U
HEXACHLOROBUTADIENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
ISOPROPYLBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
M,P-XYLENE	ug/m3	4.1	<220 U	1.4	6.1	<260 U	3.6	2.2
METHYL METHACRYLATE	ug/m3	<1.4 U	<220 U	<1.3 U	<1.3 U	<260 U	<1.3 U	<1.3 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
METHYLENE CHLORIDE	ug/m3	<0.69 U	280	<0.66 U	<0.67 U	2100	<0.66 U	<0.67 U
NAPHTHALENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
N-BUTYL ACETATE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
N-HEPTANE	ug/m3	1.4	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
N-HEXANE	ug/m3	2.5	<110 U	1.1	1.1	<130 U	1.2	<0.67 U
N-NONANE	ug/m3	1.4	<110 U	<0.66 U	1.8	<130 U	1.1	<0.67 U
N-OCTANE	ug/m3	0.74	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
N-PROPYLBENZENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
O-XYLENE	ug/m3	1.3	<110 U	<0.66 U	2.4	<130 U	1.2	0.76
PROPENE	ug/m3	0.71	<110 U	0.7	<0.67 U	<130 U	0.93	<0.67 U
STYRENE	ug/m3	1.2	<110 U	0.88	1.2	<130 U	1	<0.67 U
TETRACHLOROETHENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
TETRAHYDROFURAN	ug/m3	1	<110 U	<0.66 U	5.8	<130 U	8.1	1.1
TOLUENE	ug/m3	2.9	<110 U	1.5	2.2	<130 U	2.7	1.7
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U
TRICHLOROETHENE	ug/m3	20	21000	<0.66 U	12	22000	<0.66 U	0.9
TRICHLOROFLUOROMETHANE	ug/m3	1.2	<110 U	1.1	1.1	<130 U	1.2	1.1
TRICHLOROTRIFLUOROETHANE	ug/m3	22	9000	1.7	18	12000	1.8	1.7
VINYL ACETATE	ug/m3	<6.9 U	<1100 U	<6.6 U	<6.7 U	<1300 U	<6.6 U	<6.7 U
VINYL CHLORIDE	ug/m3	<0.69 U	<110 U	<0.66 U	<0.67 U	<130 U	<0.66 U	<0.67 U

Location ID/Sample Name: Sample Date:	Units	LH 18/24-Air-5093-GWTP 7/1/2013	LH 18/24-Air-5093-Stripper 7/1/2013	LH 18/24-Air-5093-Stripper-Dup 7/1/2013	LH18/24-AIR-5096-DOWNWIND 7/9/2013	LH18/24-AIR-5096-GWTP 7/8/2013	LH18/24-AIR-5096-STRIPPER 7/8/2013	LH18/24-AIR-5097-Downwind 7/16/2013	LH18/24-AIR-5097-GWTP 7/15/2013
ID Location:		GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line. Dup Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Ambeint Air (TO-15)									
1,1,1-TRICHLOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,1-DICHLOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,1-DICHLOROETHENE	ug/m3	<0.66 U	200	190	<0.68 U	<0.68 U	240	<0.66 U	<0.67 U
1,2,4-TRICHLOROBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2,4-TRIMETHYLBENZENE	ug/m3	1.3	<160 U	<130 U	<0.68 U	1.1	<230 U	<0.66 U	2.4
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2-DIBROMOETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2-DICHLOROBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2-DICHLOROETHANE	ug/m3	<0.66 U	<160 U	150	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,2-DICHLOROPROPANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,3-BUTADIENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,3-DICHLOROBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,4-DICHLOROBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
1,4-DIOXANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
2-BUTANONE (MEK)	ug/m3	<6.6 U	<1600 U	<1300 U	<6.8 U	<6.8 U	<2300 U	<6.6 U	<6.7 U
2-HEXANONE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
2-PROPANOL	ug/m3	<6.6 U	<1600 U	<1300 U	<6.8 U	<6.8 U	<2300 U	<6.6 U	<6.7 U
4-ETHYLTOLUENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	0.9
4-METHYL-2-PENTANONE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
ACETONE	ug/m3	11	<1600 U	<1300 U	87	10	<2300 U	14	11
ACETONITRILE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
ACROLEIN	ug/m3	<2.6 U	<650 U	<530 U	<2.7 U	<2.7 U	<920 U	<2.6 U	<2.7 U
ACRYLONITRILE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
ALLYL CHLORIDE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
ALPHA-PINENE	ug/m3	3.9	<160 U	<130 U	2.7	3.1	<230 U	2.5	1.9
BENZENE	ug/m3	0.95	<160 U	<130 U	0.75	0.88	<230 U	0.86	0.88
BENZYL CHLORIDE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
BROMODICHLOROMETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
BROMOFORM	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
BROMOMETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CARBON DISULFIDE	ug/m3	<6.6 U	<1600 U	<1300 U	<6.8 U	<6.8 U	<2300 U	<6.6 U	<6.7 U
CARBON TETRACHLORIDE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CHLOROBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CHLOROETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CHLOROFORM	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CHLOROMETHANE	ug/m3	<0.66 U	<160 U	<130 U	0.68	<0.68 U	<230 U	<0.66 U	<0.67 U
CIS-1,2-DICHLOROETHENE	ug/m3	3.5	14000	13000	<0.68 U	6.2	15000	<0.66 U	13
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
CYCLOHEXANE	ug/m3	<1.3 U	<330 U	<260 U	<1.4 U	<1.4 U	<460 U	<1.3 U	<1.3 U
DIBROMOCHLOROMETHANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
DICHLORODIFLUOROMETHANE	ug/m3	1.9	<160 U	<130 U	2.2	2	<230 U	2	1.9
D-LIMONENE	ug/m3	1.2	<160 U	<130 U	1.3	1.1	<230 U	1.3	1.1
ETHANOL	ug/m3	20	<1600 U	<1300 U	21	9.9	<2300 U	26	18
ETHYL ACETATE	ug/m3	<1.3 U	<330 U	<260 U	<1.4 U	<1.4 U	<460 U	<1.3 U	<1.3 U
ETHYLBENZENE	ug/m3	1.8	<160 U	<130 U	0.69	1.7	<230 U	<0.66 U	3
HEXACHLOROBUTADIENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
ISOPROPYLBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
M,P-XYLENE	ug/m3	7.7	<330 U	<260 U	2.7	6.8	<460 U	2.1	13
METHYL METHACRYLATE	ug/m3	<1.3 U	<330 U	<260 U	<1.4 U	<1.4 U	<460 U	<1.3 U	<1.3 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
METHYLENE CHLORIDE	ug/m3	2	1100	1000	<0.68 U	7.5	42000	<0.66 U	32
NAPHTHALENE	ug/m3	0.8	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
N-BUTYL ACETATE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
N-HEPTANE	ug/m3	0.69	<160 U	<130 U	<0.68 U	0.84	<230 U	<0.66 U	0.87
N-HEXANE	ug/m3	1.3	<160 U	<130 U	1.4	1.8	<230 U	1.4	2.2
N-NONANE	ug/m3	1.2	<160 U	<130 U	<0.68 U	0.98	<230 U	<0.66 U	2
N-OCTANE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
N-PROPYLBENZENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
O-XYLENE	ug/m3	2.2	<160 U	<130 U	0.86	2	<230 U	0.76	4.2
PROPENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
STYRENE	ug/m3	1.3	<160 U	<130 U	<0.68 U	1.1	<230 U	<0.66 U	1.2
TETRACHLOROETHENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
TETRAHYDROFURAN	ug/m3	2.8	<160 U	<130 U	1.8	2.9	<230 U	0.8	3.1
TOLUENE	ug/m3	5	<160 U	<130 U	2.2	3.9	<230 U	2.2	6
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U
TRICHLOROETHENE	ug/m3	10	27000	26000	<0.68 U	19	31000	<0.66 U	37
TRICHLOROFLUOROMETHANE	ug/m3	1	<160 U	<130 U	1.2	1.1	<230 U	1.1	1
TRICHLOROTRIFLUOROETHANE	ug/m3	20	20000	19000	2.7	39	22000	0.84	74
VINYL ACETATE	ug/m3	<6.6 U	<1600 U	<1300 U	<6.8 U	<6.8 U	<2300 U	<6.6 U	<6.7 U
VINYL CHLORIDE	ug/m3	<0.66 U	<160 U	<130 U	<0.68 U	<0.68 U	<230 U	<0.66 U	<0.67 U

Location ID/Sample Name: Sample Date:	Units	LH18/24-AIR-5097-STRIPPER 7/15/2013	LH18/24-Air-5099-Downwind 7/23/2013	LH18/24-Air-5099-GWTP 7/22/2013	LH18/24-Air-5099-Stripper 7/22/2013	LH18/24-Air-5101-Downwind 7/30/2013	LH18/24-Air-5101-GWTP 7/29/2013	LH18/24-Air-5101-Stripper 7/29/2013
ID Location:		GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Ambeint Air (TO-15)								
1,1,1-TRICHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,1,2-TRICHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,1-DICHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,1-DICHLOROETHENE	ug/m3	240	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	260
1,2,4-TRICHLOROBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<210 U	<0.67 U	0.89	<280 U	<0.66 U	0.72	<160 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,2-DIBROMOETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,2-DICHLOROBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,2-DICHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	220
1,2-DICHLOROPROPANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,3-BUTADIENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,3-DICHLOROBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,4-DICHLOROBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
1,4-DIOXANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
2-BUTANONE (MEK)	ug/m3	<2100 U	<6.7 U	<6.7 U	<2800 U	<6.6 U	<7 U	<1600 U
2-HEXANONE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	0.88	<160 U
2-PROPANOL	ug/m3	<2100 U	<6.7 U	<6.7 U	<2800 U	<6.6 U	<7 U	<1600 U
4-ETHYLTOLUENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
4-METHYL-2-PENTANONE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
ACETONE	ug/m3	<2100 U	12	8.7	<2800 U	16	20	<1600 U
ACETONITRILE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
ACROLEIN	ug/m3	<850 U	<2.7 U	<2.7 U	<1100 U	<2.6 U	<2.8 U	<650 U
ACRYLONITRILE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
ALLYL CHLORIDE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
ALPHA-PINENE	ug/m3	<210 U	1.8	0.93	<280 U	2.2	1.7	<160 U
BENZENE	ug/m3	<210 U	<0.67 U	0.79	<280 U	0.75	0.99	<160 U
BENZYL CHLORIDE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
BROMODICHLOROMETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
BROMOFORM	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
BROMOMETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CARBON DISULFIDE	ug/m3	<2100 U	<6.7 U	<6.7 U	<2800 U	<6.6 U	<7 U	<1600 U
CARBON TETRACHLORIDE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CHLOROBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CHLOROETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CHLOROFORM	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CHLOROMETHANE	ug/m3	<210 U	<0.67 U	0.71	<280 U	<0.66 U	<0.7 U	<160 U
CIS-1,2-DICHLOROETHENE	ug/m3	16000	<0.67 U	<0.67 U	14000	<0.66 U	8.3	17000
CIS-1,3-DICHLOROPROPENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
CYCLOHEXANE	ug/m3	<430 U	<1.3 U	<1.3 U	<550 U	<1.3 U	<1.4 U	<330 U
DIBROMOCHLOROMETHANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
DICHLORODIFLUOROMETHANE	ug/m3	<210 U	2	2.1	<280 U	2.1	2.3	<160 U
D-LIMONENE	ug/m3	<210 U	0.96	0.79	<280 U	1.1	1.2	<160 U
ETHANOL	ug/m3	<2100 U	33	37	<2800 U	32	19	<1600 U
ETHYL ACETATE	ug/m3	<430 U	1.7	<1.3 U	<550 U	3.2	2.8	<330 U
ETHYLBENZENE	ug/m3	<210 U	<0.67 U	0.92	<280 U	<0.66 U	0.83	<160 U
HEXACHLOROBUTADIENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
ISOPROPYLBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
M,P-XYLENE	ug/m3	<430 U	<1.3 U	3.6	<550 U	<1.3 U	2.7	<330 U
METHYL METHACRYLATE	ug/m3	<430 U	<1.3 U	<1.3 U	<550 U	15	12	<330 U
METHYL TERT-BUTYL ETHER	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
METHYLENE CHLORIDE	ug/m3	31000	<0.67 U	0.91	25000	<0.66 U	13	23000
NAPHTHALENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
N-BUTYL ACETATE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
N-HEPTANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	0.9	<160 U
N-HEXANE	ug/m3	<210 U	<0.67 U	0.82	<280 U	0.97	1.5	<160 U
N-NONANE	ug/m3	<210 U	<0.67 U	1.1	<280 U	<0.66 U	0.87	<160 U
N-OCTANE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	0.8	<160 U
N-PROPYLBENZENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
O-XYLENE	ug/m3	<210 U	<0.67 U	1	<280 U	<0.66 U	0.87	<160 U
PROPENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	1.4	1.5	<160 U
STYRENE	ug/m3	<210 U	<0.67 U	1.1	<280 U	<0.66 U	0.96	<160 U
TETRACHLOROETHENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
TETRAHYDROFURAN	ug/m3	<210 U	0.73	2.9	<280 U	0.77	1.9	<160 U
TOLUENE	ug/m3	<210 U	0.79	2.1	<280 U	0.97	2.3	<160 U
TRANS-1,2-DICHLOROETHENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U
TRICHLOROETHENE	ug/m3	33000	<0.67 U	1.8	30000	<0.66 U	25	30000
TRICHLOROFLUOROMETHANE	ug/m3	<210 U	1.1	1.1	<280 U	1.1	1.3	<160 U
TRICHLOROTRIFLUOROETHANE	ug/m3	22000	3	4.2	19000	2.4	70	21000
VINYL ACETATE	ug/m3	<2100 U	<6.7 U	<6.7 U	<2800 U	<6.6 U	<7 U	<1600 U
VINYL CHLORIDE	ug/m3	<210 U	<0.67 U	<0.67 U	<280 U	<0.66 U	<0.7 U	<160 U

Location ID: Sample Date:	Units	LH18/24-SP650-6098-GRAB 7/16/2013	LH18/24-SP650-6100-COMP 7/22/2013	LH18/24-SP650-6100-GRAB 7/22/2013	LH18/24-SP650-6102-GRAB 7/29/2013
ID Location:		GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly
Ammonia Nitrogen (350.1)					
AMMONIA AS N	mg/L	4.86	N/A	N/A	5.84
Ortho-Phosphate (365.2)					
ORTHO-PHOSPHATE	mg/L	1.52	N/A	N/A	1.46
Total Organic Carbon (415.1)					
TOTAL ORGANIC CARBON (TOC)	mg/L	3.03	N/A	N/A	4.31
Metals (6010C)					
SELENIUM	mg/L	N/A	<0.01 U	<0.01 U	N/A
Metals (6020A)					
LEAD	mg/L	N/A	<0.001 U	<0.001 U	N/A
SILVER	mg/L	N/A	<0.001 U	<0.001 U	N/A
Perchlorate (6850)					
PERCHLORATE	ug/L	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Hexavalent Chromium (7196A)					
HEXAVALENT CHROMIUM	mg/L	N/A	<0.01 U	<0.01 U	N/A
Volatile Organic Compounds (8260B)					
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A
1,1,1-TRICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	N/A	<0.4 U	N/A
1,1,2-TRICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A
1,1-DICHLOROETHANE	ug/L	N/A	N/A	<0.25 U	N/A
1,1-DICHLOROETHENE	ug/L	N/A	N/A	<1 U	N/A
1,1-DICHLOROPROPENE	ug/L	N/A	N/A	<0.5 U	N/A
1,2,3-TRICHLOROBENZENE	ug/L	N/A	N/A	<0.3 U	N/A
1,2,3-TRICHLOROPROPANE	ug/L	N/A	N/A	<1 U	N/A
1,2,4-TRICHLOROBENZENE	ug/L	N/A	N/A	<0.4 U	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	N/A	<2 U	N/A
1,2-DIBROMOETHANE	ug/L	N/A	N/A	<0.5 U	N/A
1,2-DICHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A
1,2-DICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A
1,2-DICHLOROPROPANE	ug/L	N/A	N/A	<0.4 U	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
1,3-DICHLOROBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
1,3-DICHLOROPROPANE	ug/L	N/A	N/A	<0.4 U	N/A
1,4-DICHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A
2,2-DICHLOROPROPANE	ug/L	N/A	N/A	<0.5 U	N/A
2-BUTANONE	ug/L	N/A	N/A	<5 U	N/A
2-CHLOROTOLUENE	ug/L	N/A	N/A	<0.25 U	N/A
2-HEXANONE	ug/L	N/A	N/A	<5 U	N/A
4-CHLOROTOLUENE	ug/L	N/A	N/A	<0.5 U	N/A
4-METHYL-2-PENTANONE	ug/L	N/A	N/A	<5 U	N/A
ACETONE	ug/L	N/A	N/A	<5 U	N/A
BENZENE	ug/L	N/A	N/A	<0.25 U	N/A
BROMOBENZENE	ug/L	N/A	N/A	<0.25 U	N/A
BROMOCHLOROMETHANE	ug/L	N/A	N/A	<0.4 U	N/A
BROMODICHLOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A
BROMOFORM	ug/L	N/A	N/A	<1 U	N/A
BROMOMETHANE	ug/L	N/A	N/A	<1 U	N/A
CARBON DISULFIDE	ug/L	N/A	N/A	<1 U	N/A
CARBON TETRACHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A
CHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A
CHLOROETHANE	ug/L	N/A	N/A	<1 U	N/A
CHLOROFORM	ug/L	N/A	N/A	<0.25 U	N/A
CHLOROMETHANE	ug/L	N/A	N/A	<1 U	N/A
CIS-1,2-DICHLOROETHENE	ug/L	N/A	N/A	2.63	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	N/A	<0.5 U	N/A
DIBROMOCHLOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A
DIBROMOMETHANE	ug/L	N/A	N/A	<0.5 U	N/A
DICHLORODIFLUOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A
ETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
HEXACHLOROBUTADIENE	ug/L	N/A	N/A	<0.5 U	N/A
ISOPROPYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
M,P-XYLENE	ug/L	N/A	N/A	<1 U	N/A
METHYLENE CHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A
NAPHTHALENE	ug/L	N/A	N/A	<0.4 U	N/A
N-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
N-PROPYLBENZENE	ug/L	N/A	N/A	<0.25 U	N/A
O-XYLENE	ug/L	N/A	N/A	<0.5 U	N/A
P-ISOPROPYLTOLUENE	ug/L	N/A	N/A	<0.5 U	N/A
SEC-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
STYRENE	ug/L	N/A	N/A	<0.25 U	N/A
TERT-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A
TETRACHLOROETHENE	ug/L	N/A	N/A	<0.5 U	N/A
TOLUENE	ug/L	N/A	N/A	<0.5 U	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	N/A	<0.5 U	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	N/A	<1 U	N/A
TRICHLOROETHENE	ug/L	N/A	N/A	2.53	N/A
TRICHLOROFLUOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A
VINYL CHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A
Inorganic Anions (9056)					
CHLORIDE	mg/L	N/A	1200	1040	N/A
SULFATE	mg/L	N/A	124	117	N/A

Location ID/Sample Name: Sample Date:	Units	18CPTMW08SW-060413 6/4/2013	18CPTMW10SW-060413 6/4/2013	18CPTMW10SWF-060413 6/4/2013	18CPTMW16-060413 6/4/2013	18CPTMW16F-060413 6/4/2013
ID Location:		Site 18/24 – N, inside the fence line, outer region. Shallow Wilcox, sampled semi-annually	Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line. Shallow Wilcox, sampled semi-annually	Site 18/24 – WSW, outside the fence line, along the road surrounding the fence line. Shallow Wilcox, filtered, sampled semi-annually	Site 18/24 – NW, outside the fence line, along Harrison Bayou. Sampled semi-annually	Site 18/24 – NW, outside the fence line, along Harrison Bayou. Filtered, sampled semi-annually
Metals (6010C)						
ALUMINUM	mg/L	0.115 J	NA	<0.1 U	NA	<0.1 U
BERYLLIUM	mg/L	<0.01 U	NA	<0.01 U	NA	<0.01 U
CALCIUM	mg/L	32.8	NA	41.7	NA	10.2
IRON	mg/L	0.297	NA	25.7	NA	6.64
MAGNESIUM	mg/L	23.6	NA	19.9	NA	5.87
POTASSIUM	mg/L	29.7	NA	46.5	NA	2.15
SELENIUM	mg/L	<0.01 U	NA	<0.01 U	NA	<0.01 U
SODIUM	mg/L	154	NA	162	NA	60.6
Metals (6020A)						
ANTIMONY	mg/L	0.00066 J	NA	<0.001 U	NA	<0.001 U
ARSENIC	mg/L	0.00129 J	NA	0.00336	NA	0.00226
BARIUM	mg/L	0.91	NA	0.454	NA	0.165
CADMIUM	mg/L	<0.0006 U	NA	<0.0006 U	NA	<0.0006 U
CHROMIUM	mg/L	0.00411	NA	<0.002 U	NA	<0.002 U
COBALT	mg/L	0.0189	NA	0.00672	NA	0.00172 J
COPPER	mg/L	0.00121 J	NA	<0.002 U	NA	<0.002 U
LEAD	mg/L	<0.001 U	NA	<0.001 U	NA	<0.001 U
MANGANESE	mg/L	0.841	NA	0.773	NA	0.216
NICKEL	mg/L	0.0165	NA	0.00765 J	NA	<0.004 U
SILVER	mg/L	<0.001 U	NA	<0.001 U	NA	<0.001 U
THALLIUM	mg/L	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U
VANADIUM	mg/L	0.000803 J	NA	<0.001 U	NA	<0.001 U
ZINC	mg/L	0.0298 J	NA	0.0249 J	NA	<0.025 U
Perchlorate (6850)						
PERCHLORATE	ug/L	39100	16.6	NA	<0.2 U	NA
Mercury (7470A)						
MERCURY	mg/L	<0.0002 U	NA	<0.0002 U	NA	<0.0002 U
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	3.12	<0.25 U	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	0.86 J	<1 U	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	<5 U	NA	<5 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	<5 U	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 UJ	<5 UJ	NA	<5 UJ	NA
ACETONE	ug/L	<5 U	<5 U	NA	<5 U	NA
BENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
BROMOFORM	ug/L	<1 U	<1 U	NA	<1 U	NA
BROMOMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CARBON DISULFIDE	ug/L	0.515 J	<1 U	NA	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CHLOROFORM	ug/L	0.541 J	<0.25 U	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	<1 U	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	14.2	<0.5 U	NA	<0.5 U	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
m,p-Xylene	ug/L	<1 U	<1 U	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	3.37	<0.5 U	NA	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
STYRENE	ug/L	<0.25 U	<0.25 U	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	NA	<1 U	NA
TRICHLOROETHENE	ug/L	58.3	23.9	NA	<0.5 U	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA
VINYL CHLORIDE	ug/L	9.99	<0.5 U	NA	<0.5 U	NA
Hexachlorobenzene (8270D)						
HEXACHLOROBENZENE	ug/L	<0.5 U	<0.5 U	NA	<0.5 U	NA

Location ID/Sample Name: Sample Date:	Units	16WW12-052313 5/23/2013	16WW13-052113 5/21/2013	16WW14-052113 5/21/2013	16WW16-052213 5/22/2013	16WW22-052113 5/21/2013	16WW23-052013 5/20/2013	16WW24-052013 5/20/2013	16WW24-052013-FD 5/20/2013
ID Location:		Site 16 - NE, outside the fence line, near Harrison Bayou	Site 16 - E, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - N, outside the fence line, at the end of the eastern road. Pre-design sampling	Site 16 - N, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - NE, outside the fence line, northeast of the PZ wells. Pre-design sampling	Site 16 - ESE, outside the fence line, south of Harrison Bayou. Pre-design sampling	Site 16 - ESE, outside the fence line, south of Harrison Bayou. Pre-design sampling	Site 16 - ESE, outside the fence line, south of Harrison Bayou. Dup. Pre-design sampling
Perchlorate (6850)									
PERCHLORATE	ug/L	248	<0.2 U	1.32	443	65.4	<0.2 U	<0.2 U	<0.2 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	0.354 J	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	6.9 J	<1 U	0.751 J	<100 U	2.38	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<3 U	<0.3 U	<0.3 U	<30 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<20 U	<2 U	<2 U	<200 U	<2 U	<2 U	<2 UJ	<2 UJ
1,2-DIBROMOETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	16.8	<0.5 U	<0.5 U	<50 U	0.838 J	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<50 UJ	<5 U	<5 U	<500 UJ	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<50 U	<5 UJ	<5 UJ	<500 U	<5 UJ	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<50 U	<5 U	<5 U	<500 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<50 U	<5 U	<5 U	<500 U	<5 U	<5 UJ	<5 UJ	<5 UJ
BENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<10 UJ	<1 U	<1 U	<100 UJ	<1 U	<1 U	<1 UJ	<1 UJ
CARBON DISULFIDE	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<10 UJ	<1 U	<1 U	<100 UJ	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	85.7	55.3	3.43	13100	19.4	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<4 U	<0.4 U	<0.4 U	<40 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<2.5 U	<0.25 U	<0.25 U	<25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<5 U	1.02	<0.5 U	<50 U	0.375 J	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<10 U	<1 U	<1 U	<100 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	3290	50.4	72.1	22000	323	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<5 U	<0.5 U	<0.5 U	<50 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	10.6	0.447 J	4.1	589	3.1	<0.5 U	<0.5 U	<0.5 U

Location ID/Sample Name: Sample Date:	Units	16WW25-052213 5/22/2013	16WW26-052313 5/23/2013	16WW27-052013 5/20/2013	16WW29-052113 5/21/2013	16WW30-052313 5/23/2013	16WW30-052313-FD 5/23/2013	16WW31-052213 5/22/2013	16WW32-052113 5/21/2013
ID Location:		Site 16 - ENE, outside the fence line, southeast of the PZ wells. Pre-design sampling	Site 16 - ENE, outside the fence line, southeast of the PZ wells. Pre-design sampling	Site 16 - E, outside the fence line, near Harrison Bayou. Pre-design sampling	Site 16 - E, outside the fence line, near Harrison Bayou. Pre-design sampling	Site 16 - E, outside the fence line, near Harrison Bayou. Pre-design sampling	Site 16 - E, outside the fence line, near Harrison Bayou. Dup. Pre-design sampling	Site 16 - NE, outside the fence line. Pre-design sampling	Site 16 - NE, outside the fence line. Pre-design sampling
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	0.262 J	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	0.749 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	0.977 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	7.6	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	0.652 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 UJ	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 UJ
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 UJ	<1 U	<1 U	<1 U	<1 U	<1 UJ	<1 UJ	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	2.75	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 UJ	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	341	<0.5 U	1.42	5.9	4.72	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 UJ	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	0.327 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	0.286 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	1.37	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	4580	<0.5 U	1.07	203	209	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	4.91	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Location ID/Sample Name: Sample Date:	Units	16WW33-051813 5/18/2013	16WW34-052013 5/20/2013	16WW35-052213 5/22/2013	16WW36-052213 5/22/2013	16WW37-051813 5/18/2013	16WW38-051813 5/18/2013	16WW40-052313 5/23/2013	16WW41-052213 5/22/2013
ID Location:		Site 16 - NNE, outside the fence line. Pre-design sampling	Site 16 - NNE, outside the fence line. Pre-design sampling	Site 16 - NE, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - NE, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - N, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - N, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - NE, outside the fence line, near Harrison Bayou. Pre-design sampling	Site 16 - NE, outside the fence line, northeast of the PZ wells. Pre-design sampling
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	<0.2 U	310	<0.2 U	10.4	<0.2 U	0.208 J	292
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	3.88 J	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	48	157 J	2.68	6.42	<10 U	15.1 J
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<3 U	<75 U	<0.3 U	<0.3 U	<3 U	<3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<20 U	<500 U	<2 UJ	<2 UJ	<20 U	<20 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
2-BUTANONE	ug/L	<5 U	<5 U	<50 UJ	<1250 UJ	<5 U	<5 U	<50 UJ	<50 UJ
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
2-HEXANONE	ug/L	<5 U	<5 U	<50 U	<1250 U	<5 U	<5 U	<50 U	<50 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<50 U	<1250 U	<5 U	<5 U	<50 U	<50 U
ACETONE	ug/L	<5 UJ	<5 UJ	<50 U	<1250 U	<5 UJ	<5 UJ	<50 U	<50 U
BENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
BROMOFORM	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
BROMOMETHANE	ug/L	<1 U	<1 U	<10 UJ	<250 UJ	<1 UJ	<1 UJ	<10 UJ	<10 UJ
CARBON DISULFIDE	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
CHLOROETHANE	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	1.58 J	<62.5 U	<0.25 U	0.328 J	<2.5 U	2.08 J
CHLOROMETHANE	ug/L	<1 U	<1 U	<10 UJ	<250 UJ	<1 U	<1 U	<10 UJ	<10 UJ
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	437	40100	16.6	31.9	125	833
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 UJ	<0.5 UJ	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<4 U	<100 U	<0.4 U	<0.4 U	<4 U	<4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<2.5 U	<62.5 U	<0.25 U	<0.25 U	<2.5 U	<2.5 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	2.92 J	<125 U	0.316 J	<0.5 U	<5 U	<5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<10 U	<250 U	<1 U	<1 U	<10 U	<10 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	4830	4220	305 J	745 J	1060	6550
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<5 U	<125 U	<0.5 U	<0.5 U	<5 U	<5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	81.1	1470	15.1	68.1	<5 U	76.4

Location ID/Sample Name: Sample Date:	Units	16WW42-052113 5/21/2013	16WW43-052013 5/20/2013	16WW44-052013 5/20/2013	16WW45-052113 5/21/2013	16WW45-052113-FD 5/21/2013	16WW46-052113 5/21/2013
ID Location:		Site 16 - E, outside the fence line, near Site 16 fence line. Pre-design sampling	Site 16 - E, outside the fence line, near Harrison Bayou. Pre-design sampling	Site 16 - NW, outside the fence line, along the north road. Pre-design sampling	Site 16 - NW, outside the fence line, along the north road. Pre-design sampling	Site 16 - NW, outside the fence line, along the north road. Dup. Pre-design sampling	Site 16 - NE, outside the fence line. Pre-design sampling
Perchlorate (6850)							
PERCHLORATE	ug/L	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Volatile Organic Compounds (8260B)							
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 UJ	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 UJ	<5 U	<5 U	<5 UJ	<5 UJ	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 UJ	<5 UJ	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	1.34	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	1.31	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.647 J
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Location ID: Sample Date:	Units	37DPT01 (25-29) 300713 7/30/2013	37DPT02 (21-25) 290713 7/29/2013	37DPT02 (21-25) 290713D 7/29/2013	37DPT03 (26-30) 300713 7/30/2013	37DPT04 (21-25) 300713 7/30/2013	37DPT05 (26-30) 310713 7/31/2013	37DPT06 (26-30) 300713 7/30/2013	37DPT07 (26-30) 310713 7/31/2013
ID Location:		Site 37 - N, within the site boundary, middle region	Site 37 - N, along the site boundary	Site 37 - N, along the site boundary	Site 37 - N, outside the site boundary, within the LUC boundary	Site 37 - NNE, within the site boundary, outer region	Site 37 - W, outside the site boundary, within the LUC boundary	Site 37 - WNW, outside the site boundary, within the LUC boundary	Site 37 - NW, within the site boundary, middle region
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	1.6	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	11.8	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	2.73 J	<5 U	<5 U	3.31 J	2.88 J	3.92 J	<5 U	3.05 J
BENZENE	ug/L	0.146 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	0.206 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	3.3	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	20.9	0.549 J	0.684 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	37.6
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	41.3	1.17	1.41	<0.5 U	<0.5 U	<0.5 U	<0.5 U	5.02
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	0.866 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Location ID: Sample Date:	Units	46WW02-052813 5/28/2013	46WW02F-052813 5/28/2013	46WW03-053013 5/30/2013	46WW03-053013-FD 5/30/2013	46WW04F-052413 5/24/2013	46WW05-053013 5/30/2013	46WW05F-053013 5/30/2013	46WW06-052413 5/24/2013
ID Location:		Site 46 - NNW, inside the fence line, middle region. Sampled quarterly	Site 46 - NNW, inside the fence line, middle region. Filtered, sampled quarterly	Site 46 - NNW, inside the fence line, middle region. Sampled quarterly	Site 46 - NNW, inside the fence line, middle region. Dup. Sampled quarterly	Site 46 - NW, inside the fence line, middle region. Filtered, sampled quarterly	Site 46 - N, inside the fence line, outer region. Sampled quarterly	Site 46 - N, inside the fence line, outer region. Filtered, sampled quarterly	Site 46 - NW, inside the fence line, middle region. Sampled quarterly
Phosphorus (365.4)									
Phosphorus, Total	mg/L	<0.4 U	NA	NA	NA	NA	0.1	NA	NA
Sulfide (376.1)									
Sulfide	mg/L	<2 U	NA	NA	NA	NA	0.5	NA	NA
Total Organic Carbon (415.1)									
Total Organic Carbon	mg/L	7.94	NA	NA	NA	NA	9.95	NA	NA
Metals (6010C)									
Iron	mg/L	1.32	0.442	NA	NA	NA	NA	33.7	NA
Metals (6020A)									
Manganese	mg/L	NA	0.193	NA	NA	NA	NA	21	NA
Thallium	mg/L	0.000276 J	NA	0.0001	0.0001	<0.0002 U	NA	0.000817	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,1,1-Trichloroethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,1,2,2-Tetrachloroethane	ug/L	<1 U	NA	<1 UJ	<1 UJ	<0.4 U	0.2	NA	<0.4 U
1,1,2-Trichloroethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,1-Dichloroethane	ug/L	<1 U	NA	0.125	0.125	<0.25 U	1.24	NA	<0.25 U
1,1-Dichloroethene	ug/L	1.88 J	NA	0.5	0.5	<1 U	10.4	NA	<1 U
1,1-Dichloropropene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,2,3-Trichlorobenzene	ug/L	<1 U	NA	0.15	0.15	<0.3 U	0.15	NA	<0.3 U
1,2,3-Trichloropropane	ug/L	<2 U	NA	<2 UJ	<2 UJ	<1 U	<2 UJ	NA	<1 U
1,2,4-Trichlorobenzene	ug/L	<1 U	NA	0.2	0.2	<0.4 U	0.2	NA	<0.4 U
1,2,4-Trimethylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,2-Dibromo-3-chloropropane	ug/L	<5 UJ	NA	<5 UJ	<5 UJ	<2 U	<5 UJ	NA	<2 U
1,2-Dibromoethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,2-Dichlorobenzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
1,2-Dichloroethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,2-Dichloropropane	ug/L	<1 U	NA	0.2	0.2	<0.4 U	0.2	NA	<0.4 U
1,3,5-Trimethylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,3-Dichlorobenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
1,3-Dichloropropane	ug/L	<1 U	NA	0.2	0.2	<0.4 U	0.2	NA	<0.4 U
1,4-Dichlorobenzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
2,2-Dichloropropane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
2-Butanone	ug/L	<10 U	NA	2.5	2.5	<5 U	2.5	NA	<5 U
2-Chlorotoluene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
2-Hexanone	ug/L	<10 U	NA	<10 UJ	<10 UJ	<5 U	<10 UJ	NA	<5 U
4-Chlorotoluene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
4-Methyl-2-pentanone	ug/L	<10 U	NA	2.5	2.5	<5 U	2.5	NA	<5 U
Acetone	ug/L	<10 UJ	NA	2.5	2.5	<5 U	2.5	NA	<5 U
Benzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
Bromobenzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
Bromochloromethane	ug/L	<1 U	NA	0.2	0.2	<0.4 U	0.2	NA	<0.4 U
Bromodichloromethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Bromoform	ug/L	<2 U	NA	0.5	0.5	<1 U	0.5	NA	<1 U
Bromomethane	ug/L	<2 U	NA	<2 UJ	<2 UJ	<1 U	<2 UJ	NA	<1 U
Carbon disulfide	ug/L	<2 U	NA	0.5	0.5	<1 U	0.5	NA	<1 U
Carbon tetrachloride	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Chlorobenzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
Chlorodibromomethane	ug/L	<1 U	NA	0.25	0.25	NA	0.25	NA	NA
Chloroethane	ug/L	<2 U	NA	0.5	0.5	<1 U	0.5	NA	<1 U
Chloroform	ug/L	0.231 J	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
Chloromethane	ug/L	<2 U	NA	<2 UJ	<2 UJ	<1 U	<2 UJ	NA	<1 U
cis-1,2-Dichloroethene	ug/L	1.76	NA	0.25	0.25	<0.5 U	10.2	NA	<0.5 U
cis-1,3-Dichloropropene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Dibromomethane	ug/L	NA	NA	NA	NA	<0.5 U	NA	NA	<0.5 U
Dibromomethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Dichlorodifluoromethane	ug/L	<1 UJ	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Ethylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Hexachlorobutadiene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Isopropylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
m-,p-Xylene	ug/L	<2 U	NA	0.5	0.5	NA	0.5	NA	NA
m,p-Xylene	ug/L	NA	NA	NA	NA	<1 U	NA	NA	<1 U
Methylene chloride	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Naphthalene	ug/L	<1 U	NA	<1 UJ	<1 UJ	<0.4 U	<1 UJ	NA	<0.4 U
n-Butylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
n-Propylbenzene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
o-Xylene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
p-Isopropyltoluene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
sec-Butylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Styrene	ug/L	<1 U	NA	0.125	0.125	<0.25 U	0.125	NA	<0.25 U
tert-Butylbenzene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Tetrachloroethene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	<1 UJ	NA	<0.5 U
Toluene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
trans-1,2-Dichloroethene	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.313	NA	<0.5 U
trans-1,3-Dichloropropene	ug/L	<2 U	NA	0.5	0.5	<1 U	0.5	NA	<1 U
Trichloroethene	ug/L	30	NA	0.25	0.25	<0.5 U	144	NA	<0.5 U
Trichlorofluoromethane	ug/L	<1 U	NA	0.25	0.25	<0.5 U	0.25	NA	<0.5 U
Vinyl chloride	ug/L	0.495 J	NA	0.25	0.25	<0.5 U	2.14	NA	<0.5 U
Anions (9056)									
Chloride	mg/L	20.2	NA	NA	NA	NA	291	NA	NA
Sulfate	mg/L	190	NA	NA	NA	NA	3850	NA	NA
Dissolved Gases (RSK-175)									
Carbon Dioxide	ug/L	136000	NA	NA	NA	NA	330000 J	NA	NA
Ethane	ug/L	<5 U	NA	NA	NA	NA	1	NA	NA
Ethene	ug/L	<5 U	NA	NA	NA	NA	1	NA	NA
Methane	ug/L	3.19 J	NA	NA	NA	NA	37.9	NA	NA
Alkalinity (SM2320B-1997)									
Alkalinity, Total (as CaCO3)	mg/L	35.8	NA	NA	NA	NA	39.4	NA	NA

Location ID: Sample Date:	Units	46WW06F-052413 5/24/2013	46WW07-052513 5/25/2013	46WW07-052513-FD 5/25/2013	46WW08-052513 5/25/2013	46WW08F-052513 5/25/2013	46W009-053013 5/30/2013	46W009F-053013 5/30/2013	46WW10-052513 5/25/2013
ID Location:		Site 46 - NW, inside the fence line, middle region. Filtered sampled quarterly	Site 46 - N, inside the fence line, outer region. Sampled quarterly	Site 46 - N, inside the fence line, outer region. Dup. Sampled quarterly	Site 46 - NNW, inside the fence line, outer region. Sampled quarterly	Site 46 - NNW, inside the fence line, outer region. Filtered, sampled quarterly	Site 46 - N, inside the fence line, middle region. Sampled quarterly	Site 46 - N, inside the fence line, middle region. Filtered, sampled quarterly	Site 46 - NW, inside the fence line, middle region. Sampled quarterly
Phosphorus (365.4)									
Phosphorus, Total	mg/L	NA	NA	NA	NA	NA	0.153	NA	NA
Sulfide (376.1)									
Sulfide	mg/L	NA	NA	NA	NA	NA	0.5	NA	NA
Total Organic Carbon (415.1)									
Total Organic Carbon	mg/L	NA	NA	NA	NA	NA	4.64	NA	NA
Metals (6010C)									
Iron	mg/L	NA	NA	NA	NA	NA	NA	0.05	NA
Metals (6020A)									
Manganese	mg/L	NA	NA	NA	NA	NA	NA	2.62	NA
Thallium	mg/L	<0.0002 U	<0.0002 U	<0.0002 U	NA	<0.0002 U	NA	0.0001	<0.0002 U
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,1,1-Trichloroethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	<1 UJ	NA	<0.4 U
1,1,2-Trichloroethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,1-Dichloroethane	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
1,1-Dichloroethene	ug/L	NA	<1 U	<1 U	<1 U	NA	0.5	NA	<1 U
1,1-Dichloropropene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,2,3-Trichlorobenzene	ug/L	NA	<0.3 U	<0.3 U	<0.3 U	NA	0.15	NA	<0.3 U
1,2,3-Trichloropropane	ug/L	NA	<1 U	<1 U	<1 U	NA	<2 UJ	NA	<1 U
1,2,4-Trichlorobenzene	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	0.2	NA	<0.4 U
1,2,4-Trimethylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,2-Dibromo-3-chloropropane	ug/L	NA	<2 U	<2 U	<2 U	NA	<5 UJ	NA	<2 U
1,2-Dibromoethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,2-Dichlorobenzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
1,2-Dichloroethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,2-Dichloropropane	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	0.2	NA	<0.4 U
1,3,5-Trimethylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,3-Dichlorobenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
1,3-Dichloropropane	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	0.2	NA	<0.4 U
1,4-Dichlorobenzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
2,2-Dichloropropane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
2-Butanone	ug/L	NA	<5 U	<5 U	<5 U	NA	2.5	NA	<5 U
2-Chlorotoluene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
2-Hexanone	ug/L	NA	<5 U	<5 U	<5 U	NA	<10 UJ	NA	<5 U
4-Chlorotoluene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
4-Methyl-2-pentanone	ug/L	NA	<5 U	<5 U	<5 U	NA	2.5	NA	<5 U
Acetone	ug/L	NA	<5 U	<5 U	<5 U	NA	2.5	NA	<5 U
Benzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
Bromobenzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
Bromochloromethane	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	0.2	NA	<0.4 U
Bromodichloromethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Bromoform	ug/L	NA	<1 U	<1 U	<1 U	NA	0.5	NA	<1 U
Bromomethane	ug/L	NA	<1 U	<1 U	<1 U	NA	<2 UJ	NA	<1 U
Carbon disulfide	ug/L	NA	<1 U	<1 U	<1 U	NA	0.5	NA	<1 U
Carbon tetrachloride	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Chlorobenzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	0.25	NA	NA
Chloroethane	ug/L	NA	<1 U	<1 U	<1 U	NA	0.5	NA	<1 U
Chloroform	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
Chloromethane	ug/L	NA	<1 U	<1 U	<1 U	NA	<2 UJ	NA	<1 U
cis-1,2-Dichloroethene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
cis-1,3-Dichloropropene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Dibromomethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	NA	NA	<0.5 U
Dibromomethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Dichlorodifluoromethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Ethylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Hexachlorobutadiene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Isopropylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
m-,p-Xylene	ug/L	NA	NA	NA	NA	NA	0.5	NA	NA
m,p-Xylene	ug/L	NA	<1 U	<1 U	<1 U	NA	NA	NA	<1 U
Methylene chloride	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Naphthalene	ug/L	NA	<0.4 U	<0.4 U	<0.4 U	NA	<1 UJ	NA	<0.4 U
n-Butylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
n-Propylbenzene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
o-Xylene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
p-Isopropyltoluene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
sec-Butylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Styrene	ug/L	NA	<0.25 U	<0.25 U	<0.25 U	NA	0.125	NA	<0.25 U
tert-Butylbenzene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Tetrachloroethene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Toluene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
trans-1,2-Dichloroethene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
trans-1,3-Dichloropropene	ug/L	NA	<1 U	<1 U	<1 U	NA	0.5	NA	<1 U
Trichloroethene	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Trichlorofluoromethane	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Vinyl chloride	ug/L	NA	<0.5 U	<0.5 U	<0.5 U	NA	0.25	NA	<0.5 U
Anions (9056)									
Chloride	mg/L	NA	NA	NA	NA	NA	465	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	2360	NA	NA
Dissolved Gases (RSK-175)									
Carbon Dioxide	ug/L	NA	NA	NA	NA	NA	115000 J	NA	NA
Ethane	ug/L	NA	NA	NA	NA	NA	1	NA	NA
Ethene	ug/L	NA	NA	NA	NA	NA	1	NA	NA
Methane	ug/L	NA	NA	NA	NA	NA	<5 UJ	NA	NA
Alkalinity (SM2320B-1997)									
Alkalinity, Total (as CaCO3)	mg/L	NA	NA	NA	NA	NA	134	NA	NA

Location ID: Sample Date:	Units	46WW13-052913 5/29/2013	46WW13F-052913 5/29/2013	46WW14-052913 5/29/2013	46WW14F-052913 5/29/2013	LHSMW08F-052913 5/30/2013	LHSMW14F-052413 5/24/2013	LHSMW16-052913 5/29/2013	LHSMW19-052813 5/28/2013
ID Location:		Site 46 - NNW, inside the fence line, middle region. Sampled quarterly	Site 46 - NNW, inside the fence line, middle region. Filtered, sampled quarterly	Site 46 - N, inside the fence line, outer region. Sampled quarterly	Site 46 - N, inside the fence line, outer region. Filtered, sampled quarterly	Site 46 - S, inside the fence line, outer region. Filtered, sampled quarterly	Site 46 - W, inside the fence line, outer region. Filtered, sampled quarterly	Site 46 - W, inside the fence line, outer region. Sampled quarterly	Site 46 - NNW, inside the fence line, middle region. Sampled quarterly
Phosphorus (365.4)									
Phosphorus, Total	mg/L	<0.4 U	NA	<0.4 U	NA	NA	NA	NA	<0.4 U
Sulfide (376.1)									
Sulfide	mg/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Total Organic Carbon (415.1)									
Total Organic Carbon	mg/L	9.33	NA	2.12	NA	NA	NA	NA	3.18
Metals (6010C)									
Iron	mg/L	1.36	0.151 J	1.72	1.4	NA	NA	NA	0.118 j
Metals (6020A)									
Manganese	mg/L	NA	2.18	NA	0.3	NA	NA	NA	NA
Thallium	mg/L	<0.0004 U	NA	<0.0004 U	NA	0.0001	<0.0002 U	<0.0004 U	<0.0004 u
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,1,1-Trichloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,1,2,2-Tetrachloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,1,2-Trichloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,1-Dichloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,1-Dichloroethene	ug/L	4.12	NA	<2 U	NA	NA	NA	NA	<2 U
1,1-Dichloropropene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2,3-Trichlorobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2,3-Trichloropropane	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
1,2,4-Trichlorobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2,4-Trimethylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2-Dibromo-3-chloropropane	ug/L	<5 UJ	NA	<5 UJ	NA	NA	NA	NA	<5 UJ
1,2-Dibromoethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2-Dichlorobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2-Dichloroethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,2-Dichloropropane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,3,5-Trimethylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,3-Dichlorobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,3-Dichloropropane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
1,4-Dichlorobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
2,2-Dichloropropane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
2-Butanone	ug/L	<10 U	NA	<10 U	NA	NA	NA	NA	<10 U
2-Chlorotoluene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
2-Hexanone	ug/L	<10 U	NA	<10 U	NA	NA	NA	NA	<10 U
4-Chlorotoluene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
4-Methyl-2-pentanone	ug/L	<10 U	NA	<10 U	NA	NA	NA	NA	<10 U
Acetone	ug/L	<10 UJ	NA	<10 UJ	NA	NA	NA	NA	<10 UJ
Benzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Bromobenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Bromochloromethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Bromodichloromethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Bromoform	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Bromomethane	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Carbon disulfide	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Carbon tetrachloride	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Chlorobenzene	ug/L	0.158 J	NA	<1 U	NA	NA	NA	NA	<1 U
Chlorodibromomethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Chloroethane	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Chloroform	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Chloromethane	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
cis-1,2-Dichloroethene	ug/L	37.3	NA	<1 U	NA	NA	NA	NA	1.45
cis-1,3-Dichloropropene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Dichlorodifluoromethane	ug/L	<1 UJ	NA	<1 UJ	NA	NA	NA	NA	<1 UJ
Ethylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Hexachlorobutadiene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Isopropylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
m-,p-Xylene	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
m,p-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Naphthalene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
n-Butylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
n-Propylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
o-Xylene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
p-Isopropyltoluene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	0.26
sec-Butylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Styrene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
tert-Butylbenzene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Tetrachloroethene	ug/L	0.317 J	NA	<1 U	NA	NA	NA	NA	<1 U
Toluene	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
trans-1,2-Dichloroethene	ug/L	3.15	NA	<1 U	NA	NA	NA	NA	0.252 J
trans-1,3-Dichloropropene	ug/L	<2 U	NA	<2 U	NA	NA	NA	NA	<2 U
Trichloroethene	ug/L	107	NA	<1 U	NA	NA	NA	NA	32.3
Trichlorofluoromethane	ug/L	<1 U	NA	<1 U	NA	NA	NA	NA	<1 U
Vinyl chloride	ug/L	13.1	NA	<1 U	NA	NA	NA	NA	<1 U
Anions (9056)									
Chloride	mg/L	141	NA	131 J	NA	NA	NA	NA	201
Sulfate	mg/L	229	NA	29.2	NA	NA	NA	NA	418
Dissolved Gases (RSK-175)									
Carbon Dioxide	ug/L	172000	NA	36900	NA	NA	NA	NA	98300
Ethane	ug/L	<5 U	NA	<5 U	NA	NA	NA	NA	<5 U
Ethene	ug/L	<5 U	NA	<5 U	NA	NA	NA	NA	<5 U
Methane	ug/L	18	NA	9.06	NA	NA	NA	NA	<5 U
Alkalinity (SM2320B-1997)									
Alkalinity, Total (as CaCO3)	mg/L	99.1	NA	282	NA	NA	NA	NA	403

Location ID: Sample Date:	Units	LHSMW19F-052813 5/28/2013	LHSMW21-052813 5/28/2013	LHSMW25-052513 5/25/2013	LHSMW25F-052513 5/25/2013
ID Location:		Site 46 - NNW, inside the fence line, middle region. Filtered, sampled quarterly	Site 46 - N, inside the fence line, outer region. Sampled quarterly	Site 46 - NE, inside the fence line, outer region. Sampled quarterly	Site 46 - NE, inside the fence line, outer region. Filtered, sampled quarterly
Phosphorus (365.4)					
Phosphorus, Total	mg/L	NA	NA	NA	NA
Sulfide (376.1)					
Sulfide	mg/L	NA	NA	NA	NA
Total Organic Carbon (415.1)					
Total Organic Carbon	mg/L	NA	NA	NA	NA
Metals (6010C)					
Iron	mg/L	<0.2 U	NA	NA	NA
Metals (6020A)					
Manganese	mg/L	0.0629	NA	NA	NA
Thallium	mg/L	NA	<0.0004 U	NA	<0.0002 U
Volatile Organic Compounds (8260B)					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	<0.5 U	NA
1,1,1-Trichloroethane	ug/L	NA	NA	<0.5 U	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	<0.4 U	NA
1,1,2-Trichloroethane	ug/L	NA	NA	<0.5 U	NA
1,1-Dichloroethane	ug/L	NA	NA	<0.25 U	NA
1,1-Dichloroethene	ug/L	NA	NA	<1 U	NA
1,1-Dichloropropene	ug/L	NA	NA	<0.5 U	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	<0.3 U	NA
1,2,3-Trichloropropane	ug/L	NA	NA	<1 U	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	<0.4 U	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	<0.5 U	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	<2 U	NA
1,2-Dibromoethane	ug/L	NA	NA	<0.5 U	NA
1,2-Dichlorobenzene	ug/L	NA	NA	<0.25 U	NA
1,2-Dichloroethane	ug/L	NA	NA	<0.5 U	NA
1,2-Dichloropropane	ug/L	NA	NA	<0.4 U	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	<0.5 U	NA
1,3-Dichlorobenzene	ug/L	NA	NA	<0.5 U	NA
1,3-Dichloropropane	ug/L	NA	NA	<0.4 U	NA
1,4-Dichlorobenzene	ug/L	NA	NA	<0.25 U	NA
2,2-Dichloropropane	ug/L	NA	NA	<0.5 U	NA
2-Butanone	ug/L	NA	NA	<5 U	NA
2-Chlorotoluene	ug/L	NA	NA	<0.25 U	NA
2-Hexanone	ug/L	NA	NA	<5 U	NA
4-Chlorotoluene	ug/L	NA	NA	<0.5 U	NA
4-Methyl-2-pentanone	ug/L	NA	NA	<5 U	NA
Acetone	ug/L	NA	NA	<5 U	NA
Benzene	ug/L	NA	NA	<0.25 U	NA
Bromobenzene	ug/L	NA	NA	<0.25 U	NA
Bromochloromethane	ug/L	NA	NA	<0.4 U	NA
Bromodichloromethane	ug/L	NA	NA	<0.5 U	NA
Bromoform	ug/L	NA	NA	<1 U	NA
Bromomethane	ug/L	NA	NA	<1 U	NA
Carbon disulfide	ug/L	NA	NA	<1 U	NA
Carbon tetrachloride	ug/L	NA	NA	<0.5 U	NA
Chlorobenzene	ug/L	NA	NA	<0.25 U	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	<1 U	NA
Chloroform	ug/L	NA	NA	<0.25 U	NA
Chloromethane	ug/L	NA	NA	<1 U	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	<0.5 U	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	<0.5 U	NA
Dibromomethane	ug/L	NA	NA	<0.5 U	NA
Dibromomethane	ug/L	NA	NA	<0.5 U	NA
Dichlorodifluoromethane	ug/L	NA	NA	<0.5 U	NA
Ethylbenzene	ug/L	NA	NA	<0.5 U	NA
Hexachlorobutadiene	ug/L	NA	NA	<0.5 U	NA
Isopropylbenzene	ug/L	NA	NA	<0.5 U	NA
m-,p-Xylene	ug/L	NA	NA	NA	NA
m,p-Xylene	ug/L	NA	NA	<1 U	NA
Methylene chloride	ug/L	NA	NA	<0.5 U	NA
Naphthalene	ug/L	NA	NA	<0.4 U	NA
n-Butylbenzene	ug/L	NA	NA	<0.5 U	NA
n-Propylbenzene	ug/L	NA	NA	<0.25 U	NA
o-Xylene	ug/L	NA	NA	<0.5 U	NA
p-Isopropyltoluene	ug/L	NA	NA	<0.5 U	NA
sec-Butylbenzene	ug/L	NA	NA	<0.5 U	NA
Styrene	ug/L	NA	NA	<0.25 U	NA
tert-Butylbenzene	ug/L	NA	NA	<0.5 U	NA
Tetrachloroethene	ug/L	NA	NA	<0.5 U	NA
Toluene	ug/L	NA	NA	<0.5 U	NA
trans-1,2-Dichloroethene	ug/L	NA	NA	<0.5 U	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	<1 U	NA
Trichloroethene	ug/L	NA	NA	<0.5 U	NA
Trichlorofluoromethane	ug/L	NA	NA	<0.5 U	NA
Vinyl chloride	ug/L	NA	NA	<0.5 U	NA
Anions (9056)					
Chloride	mg/L	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA
Dissolved Gases (RSK-175)					
Carbon Dioxide	ug/L	NA	NA	NA	NA
Ethane	ug/L	NA	NA	NA	NA
Ethene	ug/L	NA	NA	NA	NA
Methane	ug/L	NA	NA	NA	NA
Alkalinity (SM2320B-1997)					
Alkalinity, Total (as CaCO3)	mg/L	NA	NA	NA	NA

Location ID: Sample Date:	Units	50DPT01 (26-30) 250713 7/25/2013	50DPT01 (26-30) 250713D 7/25/2013	50DPT02 (31-35) 240713 7/24/2013	50DPT03 (0-0_5) 072213 7/22/2013	50DPT03 (2_5) 072213 7/22/2013	50DPT03 (5_0) 072213 7/22/2013	50DPT03 (5_0) 072213D 7/22/2013	50DPT03 (10_0) 072213 7/22/2013
ID Location:		Site 50 - NE, within the site boundary, outer region	Site 50 - NE, within the site boundary, outer region	Site 50 - NE, within the site boundary, middle region	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street
Perchlorate (6850)									
PERCHLORATE	ug/kg	N/A	N/A	N/A	<2.22 U	<2.22 U	<2.28 U	<2.29 U	19.8
PERCHLORATE	ug/L	298	285	0.493	N/A	N/A	N/A	N/A	N/A
Volatile Orgainc Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,1-DICHLOROETHANE	ug/L	0.198 J	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
1,1-DICHLOROETHENE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
1,1-DICHLOROPROPENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	N/A	<0.3 U	N/A	N/A	N/A	N/A	N/A
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	N/A	<2 U	N/A	N/A	N/A	N/A	N/A
1,2-DIBROMOETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,2-DICHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
1,2-DICHLOROETHANE	ug/L	0.721 J	N/A	0.626 J	N/A	N/A	N/A	N/A	N/A
1,2-DICHLOROPROPANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,3-DICHLOROBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
1,3-DICHLOROPROPANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
1,4-DICHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
2,2-DICHLOROPROPANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
2-BUTANONE	ug/L	<5 U	N/A	<5 U	N/A	N/A	N/A	N/A	N/A
2-CHLOROTOLUENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
2-HEXANONE	ug/L	<5 U	N/A	<5 U	N/A	N/A	N/A	N/A	N/A
4-CHLOROTOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
4-METHYL-2-PENTANONE	ug/L	<5 U	N/A	<5 U	N/A	N/A	N/A	N/A	N/A
ACETONE	ug/L	8.63 J	N/A	4.33 J	N/A	N/A	N/A	N/A	N/A
BENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
BROMOBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
BROMOCHLOROMETHANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
BROMODICHLOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
BROMOFORM	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
BROMOMETHANE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
CARBON DISULFIDE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
CARBON TETRACHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
CHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
CHLOROETHANE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
CHLOROFORM	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
CHLOROMETHANE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
CIS-1,2-DICHLOROETHENE	ug/L	0.88 J	N/A	7.05	N/A	N/A	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
DIBROMOMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
ETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
HEXACHLOROBUTADIENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
ISOPROPYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
M,P-XYLENE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
METHYLENE CHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
NAPHTHALENE	ug/L	<0.4 U	N/A	<0.4 U	N/A	N/A	N/A	N/A	N/A
N-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
N-PROPYLBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
O-XYLENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
SEC-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
STYRENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	N/A	N/A	N/A	N/A
TERT-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
TETRACHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
TOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	N/A	<1 U	N/A	N/A	N/A	N/A	N/A
TRICHLOROETHENE	ug/L	58	N/A	40.6	N/A	N/A	N/A	N/A	N/A
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A
VINYL CHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	N/A	N/A	N/A	N/A

Location ID: Sample Date:	Units	50DPT03 (25-30) 072213 7/22/2013	50DPT03 (25-30) 072313 7/23/2013	50DPT03 (25-30) 072313D 7/23/2013	50DPT04 (31-35) 250713 7/25/2013	50DPT05 (26-30) 260713 7/26/2013	50DPT06 (31-35) 250713 7/25/2013	50DPT07 (36-39) 240713 7/25/2013	50DPT08 (31-35) 250713 7/25/2013
ID Location:		Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - SSE, within the site boundary	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek	Site 50 - SE, within the site boundary, inner region	Site 50 - E, outside the site boundary	Site 50 - E, just outside the site boundary
Perchlorate (6850)									
PERCHLORATE	ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PERCHLORATE	ug/L	31300	N/A	N/A	414	0.134 J	0.127 J	1.54	0.872
Volatile Orgainc Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	N/A	1.28	1.23	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	N/A	16.4	14.8	0.381 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	N/A	34	28.2	0.744 J	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	N/A	0.896 J	0.788 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	N/A	77	72.7	1.26	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	N/A	<5 U	<5 U	4.08 J	<5 U	4.5 J	15.6	6.75 J
BENZENE	ug/L	N/A	1.36	1.19	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	N/A	7.1	6.64	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	N/A	310	292	1.79	1.08	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	N/A	0.526 J	0.466 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	N/A	14.4	11.5	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	4.39	3.84	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	N/A	12300	10900	83	51.8	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	N/A	5.27	4.69	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Location ID: Sample Date:	Units	50DPT09 (26-30) 250713 7/25/2013	50DPT10 (26-30) 260713 7/26/2013	50DPT11 (22-26) 260713 7/26/2013	50DPT12 (26-30) 250713 7/25/2013	50DPT13 (26-30) 240713 7/24/2013
ID Location:		Site 50 - E, just outside the site boundary	Site 50 - ENE, outside the site boundary, close to LHAAP-08	Site 50 - N, outside the site boundary, close to LHAAP-47	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek	Site 50 - N, outside the site boundary, close to Goose Prairie Creek
Perchlorate (6850)						
PERCHLORATE	ug/kg	N/A	N/A	N/A	N/A	N/A
PERCHLORATE	ug/L	0.399 J	0.221 J	530	0.17 J	0.495
Volatile Orgainc Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	4.65 J	<5 U	2.93 J	13.8	5.78 J
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	5.53	8.29
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	1.18	0.884 J
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	9.6	5.55
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	1.16	1.93

Location ID: Sample Date:	Units	67WW01-053113 5/31/2013	67WW02-053113 5/31/2013	67WW05-053113 5/31/2013	67WW06-053113 5/31/2013	67WW06-053113-FD 5/31/2013	67WW07-053113 5/31/2013	67WW08-060313 6/3/2013	67WW09-060113 6/3/2013
ID Location:		Site 67 - SW, within the site boundary, inner region. Sampled quarterly	Site 67 - NW, within the site boundary, outer region. Sampled quarterly	Site 67 - WNW, outside the site boundary. Sampled quarterly	Site 67 - E, outside the site boundary. Sampled quarterly	Site 67 - E, outside the site boundary. Sampled quarterly	Site 67 - E, outside the site boundary. Sampled quarterly	Site 67 - SSE, within the site boundary, middle region. Sampled quarterly	Site 67 - WSW, within the site boundary, outer region. Sampled quarterly
Total Carbon (415.1)									
Total Inorganic Carbon	mg/L	NA	NA	NA	NA	NA	NA	10.3	NA
Total Organic Carbon	mg/L	NA	NA	NA	NA	NA	NA	3.61	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,1,1-Trichloroethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,1,2,2-Tetrachloroethane	ug/L	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 UJ	5 R	<1 UJ
1,1,2-Trichloroethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,1-Dichloroethane	ug/L	6.37	0.507 J	<1 U	0.212 J	0.193 J	<1 U	53.2 R	3.6
1,1-Dichloroethene	ug/L	139	<2 U	<2 U	<2 U	<2 U	<2 U	940	16.1
1,1-Dichloropropene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,2,3-Trichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.75 R	<1 U
1,2,3-Trichloropropane	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
1,2,4-Trichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5 R	<1 U
1,2,4-Trimethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,2-Dibromo-3-chloropropane	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 UJ	25 R	<5 UJ
1,2-Dibromoethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,2-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
1,2-Dichloroethane	ug/L	6.68	<1 U	<1 U	2.25	2.2	1.67	89.2	<1 U
1,2-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5 R	<1 U
1,3,5-Trimethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,3-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
1,3-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5 R	<1 U
1,4-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
2,2-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
2-Butanone	ug/L	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	62.5 R	<10 U
2-Chlorotoluene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
2-Hexanone	ug/L	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	62.5 R	<10 U
4-Chlorotoluene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
4-Methyl-2-pentanone	ug/L	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	62.5 R	<10 U
Acetone	ug/L	<10 U	<10 U	<10 UJ	<10 UJ	<10 UJ	<10 U	62.5 R	<10 U
Benzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
Bromobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
Bromochloromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5 R	<1 U
Bromodichloromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Bromoform	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
Bromomethane	ug/L	<2 U	<2 UJ	<2 U	<2 U	<2 U	<2 UJ	12.5 R	<2 UJ
Carbon disulfide	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
Carbon tetrachloride	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Chlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
Chlorodibromomethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Chloroethane	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
Chloroform	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.56	<1 U
Chloromethane	ug/L	<2 U	<2 UJ	<2 U	<2 U	<2 U	<2 UJ	12.5 R	<2 UJ
cis-1,2-Dichloroethene	ug/L	1.12	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
cis-1,3-Dichloropropene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Dibromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Dichlorodifluoromethane	ug/L	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 UJ	6.25 R	<1 UJ
Ethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Hexachlorobutadiene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Isopropylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
m-,p-Xylene	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
Methylene chloride	ug/L	<1 U	<1 U	<1 U	0.918 J	0.846 J	<1 U	6.25 R	<1 U
Naphthalene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5 R	<1 U
n-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
n-Propylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
o-Xylene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
p-Isopropyltoluene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
sec-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Styrene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3.13 R	<1 U
tert-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Tetrachloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Toluene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	7.92 R	<1 U
trans-1,2-Dichloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
trans-1,3-Dichloropropene	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	12.5 R	<2 U
Trichloroethene	ug/L	2.96	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Trichlorofluoromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Vinyl chloride	ug/L	2.18	<1 U	<1 U	<1 U	<1 U	<1 U	6.25 R	<1 U
Common Anions (9056)									
Chloride	mg/L	NA	NA	NA	NA	NA	NA	1440 J	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	NA	300	NA
Nitrate	mg/L	NA	NA	NA	NA	NA	NA	<5 U	NA
Nitrite	mg/L	NA	NA	NA	NA	NA	NA	<5 U	NA
RSK-175									
Ethane	ug/L	NA	NA	NA	NA	NA	NA	<5 U	NA
Ethene	ug/L	NA	NA	NA	NA	NA	NA	1.29 J	NA
Methane	ug/L	NA	NA	NA	NA	NA	NA	10.6	NA
Ferrous Iron (SM3500Fe-B-1997)									
Iron, Ferrous - Laboratory	mg/L	NA	NA	NA	NA	NA	NA	0.0795	NA
Molecular-PCR									
Dehalococcoides ethenogenes	CEQ/mL	NA	NA	NA	NA	NA	NA	<1 U	NA

Location ID: Sample Date:	Units	67WW10-060113 6/1/2013	67WW11-060113 6/1/2013	67WW11-060113-FD 6/1/2013	67WW12-060113 6/1/2013	67WW13-053113 5/31/2013	67DPT09A (31-35) 310713 7/31/2013	67DPT13A (26-30) 310713 7/31/2013
ID Location:		Site 67 - SE, outside the site boundary. Sampled quarterly	Site 67 - S, within the site boundary, outer region. Sampled quarterly	Site 67 - S, within the site boundary, outer region. Sampled quarterly	Site 67 - NNE, outside the site boundary. Sampled quarterly	Site 67 - WSW, within the site boundary, outer region. Sampled quarterly	Site 67 - SSW, at the edge of the site.	Site 67 - W, at the edge of the site.
Total Carbon (415.1)								
Total Inorganic Carbon	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)								
1,1,1,2-Tetrachloroethane	ug/L	<1 UJ	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,1,1-Trichloroethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,1,2,2-Tetrachloroethane	ug/L	<1 U	<1 UJ	<1 UJ	<1 UJ	<10 U	<0.4 U	<0.4 U
1,1,2-Trichloroethane	ug/L	<1 U	<1 U	<1 U	<1 U	3.58	<0.5 U	5.78
1,1-Dichloroethane	ug/L	0.39 J	10.6	10.6	<1 U	35.5	<0.25 U	27.8
1,1-Dichloroethene	ug/L	<2 U	47.1	46.8	<2 U	565 J	<1 U	140
1,1-Dichloropropene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,2,3-Trichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.3 U	<0.3 U
1,2,3-Trichloropropane	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
1,2,4-Trichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.4 U	<0.4 U
1,2,4-Trimethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,2-Dibromo-3-chloropropane	ug/L	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<50 U	<2 U	<2 U
1,2-Dibromoethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,2-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
1,2-Dichloroethane	ug/L	<1 U	0.869 J	0.85 J	<1 U	23.1	<0.5 U	11.2
1,2-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.4 U	<0.4 U
1,3,5-Trimethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,3-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
1,3-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.4 U	<0.4 U
1,4-Dichlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	0.138 J
2,2-Dichloropropane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
2-Butanone	ug/L	<10 U	<10 U	<10 U	<10 U	<100 U	<5 U	<5 U
2-Chlorotoluene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
2-Hexanone	ug/L	<10 U	<10 U	<10 U	<10 U	<100 U	<5 U	<5 U
4-Chlorotoluene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
4-Methyl-2-pentanone	ug/L	<10 U	<10 U	<10 U	<10 U	<100 U	<5 U	<5 U
Acetone	ug/L	<10 U	<10 U	<10 U	<10 U	<100 U	5.32 J	2.79 J
Benzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	0.136 J
Bromobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
Bromochloromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.4 U	<0.4 U
Bromodichloromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Bromoform	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
Bromomethane	ug/L	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<20 U	<1 U	<1 U
Carbon disulfide	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
Carbon tetrachloride	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Chlorobenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
Chlorodibromomethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	NA	NA
Chloroethane	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
Chloroform	ug/L	<1 U	<1 U	<1 U	<1 U	0.462 J	<0.25 U	0.446 J
Chloromethane	ug/L	<2 UJ	<2 UJ	<2 U	<2 UJ	<20 U	<1 U	<1 U
cis-1,2-Dichloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	1.68	<0.5 U	0.447 J
cis-1,3-Dichloropropene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Dibromochloromethane	ug/L	NA	NA	NA	NA	NA	<0.5 U	<0.5 U
Dibromomethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Dichlorodifluoromethane	ug/L	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<10 U	<0.5 U	<0.5 U
Ethylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Hexachlorobutadiene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Isopropylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
m-,p-Xylene	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
Methylene chloride	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Naphthalene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.4 U	<0.4 U
n-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
n-Propylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
o-Xylene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
p-Isopropyltoluene	ug/L	<1 U	<1 U	<1 U	0.299 J	<10 U	<0.5 U	<0.5 U
sec-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Styrene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.25 U	<0.25 U
tert-Butylbenzene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Tetrachloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Toluene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
trans-1,2-Dichloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
trans-1,3-Dichloropropene	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<1 U	<1 U
Trichloroethene	ug/L	<1 U	<1 U	<1 U	<1 U	3.11	<0.5 U	1.28
Trichlorofluoromethane	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<0.5 U	<0.5 U
Vinyl chloride	ug/L	<1 U	<1 U	<1 U	<1 U	2.55	<0.5 U	0.484 J
Common Anions (9056)								
Chloride	mg/L	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	NA	NA	NA	NA	NA	NA
Nitrate	mg/L	NA	NA	NA	NA	NA	NA	NA
Nitrite	mg/L	NA	NA	NA	NA	NA	NA	NA
RSK-175								
Ethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Ethene	ug/L	NA	NA	NA	NA	NA	NA	NA
Methane	ug/L	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron (SM3500Fe-B-1997)								
Iron, Ferrous - Laboratory	mg/L	NA	NA	NA	NA	NA	NA	NA
Molecular-PCR								
Dehalococcoides ethenogenes	CEQ/mL	NA	NA	NA	NA	NA	NA	NA

Location ID: Sample Date:	Units	LH18/24-Air-5104-Downwind 8/6/2013	LH18/24-Air-5104-GWTP 8/5/2013	LH18/24-Air-5104-Stripper 8/5/2013	LH18/24-Air-5104-Stripper-DUP 8/5/2013	LH18/24-Air-5106-Downwind 8/13/2013	LH18/24-Air-5106-GWTP 8/12/2013	LH18/24-Air-5106-Stripper 8/12/2013
ID Location:		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Ambient Air (TO-15)								
1,1,1-TRICHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,1-DICHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,1-DICHLOROETHENE	ug/m3	<0.84 U	<0.69 U	200	190	<0.86 U	<0.69 U	190
1,2,4-TRICHLOROBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<0.84 U	0.97	<180 U	<170 U	<0.86 U	0.73	<170 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,2-DIBROMOETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,2-DICHLOROBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,2-DICHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	170	<0.86 U	<0.69 U	180
1,2-DICHLOROPROPANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,3-BUTADIENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,3-DICHLOROBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,4-DICHLOROBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
1,4-DIOXANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
2-BUTANONE (MEK)	ug/m3	<8.4 U	<6.9 U	<1800 U	<1700 U	<8.6 U	<6.9 U	<1700 U
2-HEXANONE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
2-PROPANOL	ug/m3	<8.4 U	<6.9 U	<1800 U	<1700 U	<8.6 U	<6.9 U	<1700 U
4-ETHYLTOLUENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
4-METHYL-2-PENTANONE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
ACETONE	ug/m3	9.5	12	<1800 U	<1700 U	14	10	<1700 U
ACETONITRILE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
ACROLEIN	ug/m3	<3.3 U	<2.8 U	<710 U	<680 U	<3.4 U	<2.7 U	<660 U
ACRYLONITRILE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
ALLYL CHLORIDE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
ALPHA-PINENE	ug/m3	6.2	3.8	<180 U	<170 U	2.5	3.8	<170 U
BENZENE	ug/m3	<0.84 U	1	<180 U	<170 U	<0.86 U	1.1	<170 U
BENZYL CHLORIDE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
BROMODICHLOROMETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
BROMOFORM	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
BROMOMETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CARBON DISULFIDE	ug/m3	<8.4 U	<6.9 U	<1800 U	<1700 U	<8.6 U	<6.9 U	<1700 U
CARBON TETRACHLORIDE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CHLOROBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CHLOROETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CHLOROFORM	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CHLOROMETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CIS-1,2-DICHLOROETHENE	ug/m3	<0.84 U	1.6	12000	12000	<0.86 U	4.8	13000
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
CYCLOHEXANE	ug/m3	<1.7 U	<1.4 U	<360 U	<340 U	<1.7 U	<1.4 U	<330 U
DIBROMOCHLOROMETHANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
DICHLORODIFLUOROMETHANE	ug/m3	2	2.2	<180 U	<170 U	2.2	2.1	<170 U
D-LIMONENE	ug/m3	1.7	1.5	<180 U	<170 U	1.1	1.6	<170 U
ETHANOL	ug/m3	11	16	<1800 U	<1700 U	160	34	<1700 U
ETHYL ACETATE	ug/m3	<1.7 U	<1.4 U	<360 U	<340 U	3.3	<1.4 U	<330 U
ETHYLBENZENE	ug/m3	<0.84 U	1.3	<180 U	<170 U	<0.86 U	0.75	<170 U
HEXACHLOROBUTADIENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
ISOPROPYLBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
M,P-XYLENE	ug/m3	<1.7 U	5.1	<360 U	<340 U	<1.7 U	2.9	<330 U
METHYL METHACRYLATE	ug/m3	<1.7 U	<1.4 U	<360 U	<340 U	<1.7 U	<1.4 U	<330 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
METHYLENE CHLORIDE	ug/m3	<0.84 U	1.5	14000	14000	<0.86 U	3.2	8900
NAPHTHALENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
N-BUTYL ACETATE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
N-HEPTANE	ug/m3	<0.84 U	0.74	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
N-HEXANE	ug/m3	<0.84 U	1.8	<180 U	<170 U	<0.86 U	1.3	<170 U
N-NONANE	ug/m3	<0.84 U	1.5	<180 U	<170 U	<0.86 U	1	<170 U
N-OCTANE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
N-PROPYLBENZENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
O-XYLENE	ug/m3	<0.84 U	1.4	<180 U	<170 U	<0.86 U	0.85	<170 U
PROPENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	0.89	<0.69 U	<170 U
STYRENE	ug/m3	<0.84 U	1.6	<180 U	<170 U	<0.86 U	1.8	<170 U
TETRACHLOROETHENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
TETRAHYDROFURAN	ug/m3	0.85	4.1	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
TOLUENE	ug/m3	0.99	3.1	<180 U	<170 U	1.2	2	<170 U
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U
TRICHLOROETHENE	ug/m3	<0.84 U	5.1	28000	28000	<0.86 U	14	26000
TRICHLOROFLUOROMETHANE	ug/m3	1.1	1.2	<180 U	<170 U	1.1	1.2	<170 U
TRICHLOROTRIFLUOROETHANE	ug/m3	<0.84 U	8.1	14000	14000	3.2	26	15000
VINYL ACETATE	ug/m3	<8.4 U	<6.9 U	<1800 U	<1700 U	<8.6 U	27	<1700 U
VINYL CHLORIDE	ug/m3	<0.84 U	<0.69 U	<180 U	<170 U	<0.86 U	<0.69 U	<170 U

Location ID: Sample Date:	Units	LH18/24-Air-5108-Downwind 8/20/2013	LH18/24-Air-5108-GWTP 8/19/2013	LH18/24-Air-5108-Stripper 8/19/2013	LH18/24-AIR-5110-Downwind 8/27/2013	LH18/24-AIR-5110-GWTP 8/26/2013	LH18/24-AIR-5110-Stripper 8/26/2013
ID Location:		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Ambient Air (TO-15)							
1,1,1-TRICHLOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,1-DICHLOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,1-DICHLOROETHENE	ug/m3	<0.79 U	<0.64 U	230	<0.76 U	<0.65 U	190
1,2,4-TRICHLOROBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<0.79 U	1.2	<180 U	<0.76 U	0.7	<130 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,2-DIBROMOETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,2-DICHLOROBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,2-DICHLOROETHANE	ug/m3	<0.79 U	<0.64 U	220	<0.76 U	<0.65 U	170
1,2-DICHLOROPROPANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,3-BUTADIENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,3-DICHLOROBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,4-DICHLOROBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
1,4-DIOXANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
2-BUTANONE (MEK)	ug/m3	<7.9 U	<6.4 U	<1800 U	<7.6 U	<6.5 U	<1300 U
2-HEXANONE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
2-PROPANOL	ug/m3	<7.9 U	<6.4 U	<1800 U	<7.6 U	<6.5 U	<1300 U
4-ETHYLTOLUENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
4-METHYL-2-PENTANONE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
ACETONE	ug/m3	12	9.2	<1800 U	11	11	<1300 U
ACETONITRILE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
ACROLEIN	ug/m3	<3.1 U	<2.6 U	<730 U	<3 U	<2.6 U	<500 U
ACRYLONITRILE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
ALLYL CHLORIDE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
ALPHA-PINENE	ug/m3	5.2	2.6	<180 U	2.9	6.2	<130 U
BENZENE	ug/m3	<0.79 U	0.69	<180 U	<0.76 U	<0.65 U	<130 U
BENZYL CHLORIDE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
BROMODICHLOROMETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
BROMOFORM	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
BROMOMETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CARBON DISULFIDE	ug/m3	<7.9 U	<6.4 U	<1800 U	<7.6 U	<6.5 U	<1300 U
CARBON TETRACHLORIDE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CHLOROBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CHLOROETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CHLOROFORM	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CHLOROMETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CIS-1,2-DICHLOROETHENE	ug/m3	<0.79 U	10	16000	<0.76 U	11	13000
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
CYCLOHEXANE	ug/m3	<1.6 U	<1.3 U	<370 U	<1.5 U	<1.3 U	<250 U
DIBROMOCHLOROMETHANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
DICHLORODIFLUOROMETHANE	ug/m3	2.3	2.4	<180 U	2	2.1	<130 U
D-LIMONENE	ug/m3	1.4	1.1	<180 U	1.2	2.4	<130 U
ETHANOL	ug/m3	18	37	<1800 U	15	20	<1300 U
ETHYL ACETATE	ug/m3	<1.6 U	<1.3 U	<370 U	<1.5 U	<1.3 U	<250 U
ETHYLBENZENE	ug/m3	<0.79 U	1.2	<180 U	<0.76 U	0.73	<130 U
HEXACHLOROBUTADIENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
ISOPROPYLBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
M,P-XYLENE	ug/m3	<1.6 U	4.6	<370 U	<1.5 U	2.8	<250 U
METHYL METHACRYLATE	ug/m3	<1.6 U	<1.3 U	<370 U	<1.5 U	<1.3 U	<250 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
METHYLENE CHLORIDE	ug/m3	<0.79 U	8.1	18000	<0.76 U	13	8700
NAPHTHALENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
N-BUTYL ACETATE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
N-HEPTANE	ug/m3	<0.79 U	0.8	<180 U	<0.76 U	<0.65 U	<130 U
N-HEXANE	ug/m3	0.9	1.9	<180 U	<0.76 U	0.86	<130 U
N-NONANE	ug/m3	<0.79 U	1.4	<180 U	<0.76 U	0.87	<130 U
N-OCTANE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
N-PROPYLBENZENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
O-XYLENE	ug/m3	<0.79 U	1.3	<180 U	<0.76 U	0.77	<130 U
PROPENE	ug/m3	<0.79 U	<0.64 U	<180 U	0.79	<0.65 U	<130 U
STYRENE	ug/m3	<0.79 U	1.9	<180 U	<0.76 U	1.2	<130 U
TETRACHLOROETHENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
TETRAHYDROFURAN	ug/m3	<0.79 U	3.2	<180 U	<0.76 U	1.3	<130 U
TOLUENE	ug/m3	1.8	3.5	<180 U	<0.76 U	1.5	<130 U
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U
TRICHLOROETHENE	ug/m3	<0.79 U	26	32000	<0.76 U	33	24000
TRICHLOROFLUOROMETHANE	ug/m3	1.2	1.3	<180 U	1.1	1.1	<130 U
TRICHLOROTRIFLUOROETHANE	ug/m3	0.87	45	18000	4	64	16000
VINYL ACETATE	ug/m3	<7.9 U	<6.4 U	<1800 U	<7.6 U	<6.5 U	<1300 U
VINYL CHLORIDE	ug/m3	<0.79 U	<0.64 U	<180 U	<0.76 U	<0.65 U	<130 U

Location ID: Sample Date:	Units	LH18/24-SP140-7103-GRAB 8/5/2013	LH18/24-SP140-7112-GRAB 9/3/2013	LH18/24-SP650-6103-GRAB 8/5/2013	LH18/24-SP650-6105-COMP 8/5/2013	LH18/24-SP650-6105-GRAB 8/5/2013
ID Location:		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Monthly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly
Nitrogen, Ammonia (350.1)						
AMMONIA AS N	mg/L	N/A	N/A	N/A	N/A	N/A
365.2						
ORTHO-PHOSPHATE	mg/L	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (415.1)						
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	N/A	N/A
Metals (6010C)						
ALUMINUM	mg/L	N/A	N/A	<0.1 U	N/A	N/A
IRON	mg/L	N/A	N/A	0.113 J	N/A	N/A
SELENIUM	mg/L	N/A	N/A	<0.01 U	<0.01 U	<0.01 U
Metals (6020A)						
ANTIMONY	mg/L	N/A	N/A	<0.001 U	N/A	N/A
ARSENIC	mg/L	N/A	N/A	0.000716 J	N/A	N/A
BARIUM	mg/L	N/A	N/A	0.118	N/A	N/A
CADMIUM	mg/L	N/A	N/A	<0.0006 U	N/A	N/A
CHROMIUM	mg/L	N/A	N/A	0.00858	N/A	N/A
COBALT	mg/L	N/A	N/A	0.00058 J	N/A	N/A
LEAD	mg/L	N/A	N/A	<0.001 U	<0.001 U	<0.001 U
MANGANESE	mg/L	N/A	N/A	0.151	N/A	N/A
NICKEL	mg/L	N/A	N/A	0.00392 J	N/A	N/A
SILVER	mg/L	N/A	N/A	<0.001 U	<0.001 U	<0.001 U
THALLIUM	mg/L	N/A	N/A	<0.0002 U	N/A	N/A
VANADIUM	mg/L	N/A	N/A	<0.002 U	N/A	N/A
ZINC	mg/L	N/A	N/A	<0.025 U	N/A	N/A
Perchlorate (6850)						
PERCHLORATE	ug/L	15600	18000	N/A	<0.2 U	<0.2 U
CR-6 (7196A)						
HEXAVALENT CHROMIUM	mg/L	N/A	N/A	N/A	<0.01 U	<0.01 U
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<40 U	<20 U	N/A	N/A	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,1-DICHLOROETHANE	ug/L	<25 U	9.19 J	N/A	N/A	<0.25 U
1,1-DICHLOROETHENE	ug/L	90.1 J	91.1 J	N/A	N/A	<1 U
1,1-DICHLOROPROPENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<30 U	<15 UJ	N/A	N/A	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<40 U	<20 U	N/A	N/A	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<200 U	<100 UJ	N/A	N/A	<2 U
1,2-DIBROMOETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
1,2-DICHLOROETHANE	ug/L	47.4 J	51.3	N/A	N/A	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<40 U	<20 U	N/A	N/A	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<40 U	<20 U	N/A	N/A	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
2-BUTANONE	ug/L	<500 U	<250 U	N/A	N/A	<5 U
2-CHLOROTOLUENE	ug/L	<25 U	<12.5 UJ	N/A	N/A	<0.25 U
2-HEXANONE	ug/L	<500 UJ	<250 UJ	N/A	N/A	<5 U
4-CHLOROTOLUENE	ug/L	<50 U	<25 UJ	N/A	N/A	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<500 U	<250 U	N/A	N/A	<5 U
ACETONE	ug/L	<500 U	<250 U	N/A	N/A	<5 U
BENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
BROMOBENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
BROMOCHLOROMETHANE	ug/L	<40 U	<20 U	N/A	N/A	<0.4 U
BROMODICHLOROMETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
BROMOFORM	ug/L	<100 U	<50 U	N/A	N/A	<1 U
BROMOMETHANE	ug/L	<100 U	<50 UJ	N/A	N/A	<1 UJ
CARBON DISULFIDE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
CARBON TETRACHLORIDE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
CHLOROBENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
CHLOROETHANE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
CHLOROFORM	ug/L	26.3 J	20.1 J	N/A	N/A	<0.25 U
CHLOROMETHANE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	4490	4610	N/A	N/A	2.55
CIS-1,3-DICHLOROPROPENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
DIBROMOMETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
ETHYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
ISOPROPYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
M,P-XYLENE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
METHYLENE CHLORIDE	ug/L	7510	6230	N/A	N/A	<0.5 U
NAPHTHALENE	ug/L	<40 U	<20 UJ	N/A	N/A	<0.4 U
N-BUTYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
N-PROPYLBENZENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
O-XYLENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
SEC-BUTYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
STYRENE	ug/L	<25 U	<12.5 U	N/A	N/A	<0.25 U
TERT-BUTYLBENZENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
TETRACHLOROETHENE	ug/L	38.4 J	36.6 J	N/A	N/A	<0.5 U
TOLUENE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<50 U	18 J	N/A	N/A	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<100 U	<50 U	N/A	N/A	<1 U
TRICHLOROETHENE	ug/L	11500	11400	N/A	N/A	2.27
TRICHLOROFLUOROMETHANE	ug/L	<50 U	<25 U	N/A	N/A	<0.5 U
VINYL CHLORIDE	ug/L	54.4 J	51.4	N/A	N/A	0.544 J
Inorganic Anions (9056)						
CHLORIDE	mg/L	N/A	N/A	N/A	1190	1170
SULFATE	mg/L	N/A	N/A	N/A	89.6	123

Location ID: Sample Date:	Units	LH18/24-SP650-6107-GRAB 8/12/2013	LH18/24-SP650-6109-COMP 8/19/2013	LH18/24-SP650-6109-GRAB 8/19/2013	LH18/24-SP650-6111-GRAB 8/26/2013	LH18/24-SP650-6112-GRAB 9/3/2013
ID Location:		GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Monthly
Nitrogen, Ammonia (350.1)						
AMMONIA AS N	mg/L	7.27	N/A	N/A	8.61	N/A
365.2						
ORTHO-PHOSPHATE	mg/L	1.66	N/A	N/A	1.58	N/A
Total Organic Carbon (415.1)						
TOTAL ORGANIC CARBON (TOC)	mg/L	3.69 J	N/A	N/A	3.73	N/A
Metals (6010C)						
ALUMINUM	mg/L	N/A	N/A	N/A	N/A	<0.1 U
IRON	mg/L	N/A	N/A	N/A	N/A	0.0757 J
SELENIUM	mg/L	N/A	<0.01 U	<0.01 U	N/A	<0.01 U
Metals (6020A)						
ANTIMONY	mg/L	N/A	N/A	N/A	N/A	<0.001 U
ARSENIC	mg/L	N/A	N/A	N/A	N/A	0.00152 J
BARIUM	mg/L	N/A	N/A	N/A	N/A	0.196
CADMIUM	mg/L	N/A	N/A	N/A	N/A	<0.0006 U
CHROMIUM	mg/L	N/A	N/A	N/A	N/A	0.00505
COBALT	mg/L	N/A	N/A	N/A	N/A	<0.001 U
LEAD	mg/L	N/A	<0.001 U	<0.001 U	N/A	<0.001 U
MANGANESE	mg/L	N/A	N/A	N/A	N/A	0.249
NICKEL	mg/L	N/A	N/A	N/A	N/A	0.00235 J
SILVER	mg/L	N/A	<0.001 U	<0.001 U	N/A	<0.001 U
THALLIUM	mg/L	N/A	N/A	N/A	N/A	<0.0002 U
VANADIUM	mg/L	N/A	N/A	N/A	N/A	N/A
ZINC	mg/L	N/A	N/A	N/A	N/A	0.0144 J
Perchlorate (6850)						
PERCHLORATE	ug/L	<0.2 U	<0.2 U	<0.2 U	<0.2 U	N/A
CR-6 (7196A)						
HEXAVALENT CHROMIUM	mg/L	N/A	0.0175 J	<0.01 UJ	N/A	N/A
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,1,1-TRICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	N/A	<0.4 U	N/A	N/A
1,1,2-TRICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,1-DICHLOROETHANE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
1,1-DICHLOROETHENE	ug/L	N/A	N/A	<1 U	N/A	N/A
1,1-DICHLOROPROPENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,2,3-TRICHLOROBENZENE	ug/L	N/A	N/A	<0.3 UJ	N/A	N/A
1,2,3-TRICHLOROPROPANE	ug/L	N/A	N/A	<1 U	N/A	N/A
1,2,4-TRICHLOROBENZENE	ug/L	N/A	N/A	<0.4 U	N/A	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	N/A	<2 UJ	N/A	N/A
1,2-DIBROMOETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,2-DICHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
1,2-DICHLOROETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,2-DICHLOROPROPANE	ug/L	N/A	N/A	<0.4 U	N/A	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,3-DICHLOROBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
1,3-DICHLOROPROPANE	ug/L	N/A	N/A	<0.4 U	N/A	N/A
1,4-DICHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
2,2-DICHLOROPROPANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
2-BUTANONE	ug/L	N/A	N/A	<5 U	N/A	N/A
2-CHLOROTOLUENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
2-HEXANONE	ug/L	N/A	N/A	<5 UJ	N/A	N/A
4-CHLOROTOLUENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
4-METHYL-2-PENTANONE	ug/L	N/A	N/A	<5 U	N/A	N/A
ACETONE	ug/L	N/A	N/A	<5 U	N/A	N/A
BENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
BROMOBENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
BROMOCHLOROMETHANE	ug/L	N/A	N/A	<0.4 U	N/A	N/A
BROMODICHLOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
BROMOFORM	ug/L	N/A	N/A	<1 U	N/A	N/A
BROMOMETHANE	ug/L	N/A	N/A	<1 U	N/A	N/A
CARBON DISULFIDE	ug/L	N/A	N/A	<1 U	N/A	N/A
CARBON TETRACHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
CHLOROBENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
CHLOROETHANE	ug/L	N/A	N/A	<1 U	N/A	N/A
CHLOROFORM	ug/L	N/A	N/A	<0.25 U	N/A	N/A
CHLOROMETHANE	ug/L	N/A	N/A	<1 U	N/A	N/A
CIS-1,2-DICHLOROETHENE	ug/L	N/A	N/A	2.64	N/A	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
DIBROMOCHLOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
DIBROMOMETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
DICHLORODIFLUOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
ETHYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
HEXACHLOROBUTADIENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
ISOPROPYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
M,P-XYLENE	ug/L	N/A	N/A	<1 U	N/A	N/A
METHYLENE CHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
NAPHTHALENE	ug/L	N/A	N/A	<0.4 UJ	N/A	N/A
N-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
N-PROPYLBENZENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
O-XYLENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
P-ISOPROPYLTOLUENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
SEC-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
STYRENE	ug/L	N/A	N/A	<0.25 U	N/A	N/A
TERT-BUTYLBENZENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
TETRACHLOROETHENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
TOLUENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	N/A	<1 U	N/A	N/A
TRICHLOROETHENE	ug/L	N/A	N/A	2.73	N/A	N/A
TRICHLOROFLUOROMETHANE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
VINYL CHLORIDE	ug/L	N/A	N/A	<0.5 U	N/A	N/A
Inorganic Anions (9056)						
CHLORIDE	mg/L	N/A	1150	1180	N/A	N/A
SULFATE	mg/L	N/A	61.8	56.2	N/A	N/A

Location ID: Sample Date:	Units	37DPT06 (70-72)- 260813 8/26/2013
ID Location		Site 37 - WNW, outside the site boundary, within the LUC boundary
Volatile Organic Compounds (8260B)		
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 UJ
1,1-DICHLOROETHENE	ug/L	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 UJ
1,2-DIBROMOETHANE	ug/L	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U
2-BUTANONE	ug/L	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U
2-HEXANONE	ug/L	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U
ACETONE	ug/L	5.49 J
BENZENE	ug/L	<0.25 UJ
BROMOBENZENE	ug/L	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U
BROMOFORM	ug/L	<1 U
BROMOMETHANE	ug/L	<1 UJ
CARBON DISULFIDE	ug/L	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U
CHLOROETHANE	ug/L	<1 U
CHLOROFORM	ug/L	<0.25 U
CHLOROMETHANE	ug/L	<1 UJ
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 UJ
ETHYLBENZENE	ug/L	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U
M,P-XYLENE	ug/L	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U
NAPHTHALENE	ug/L	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U
O-XYLENE	ug/L	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U
STYRENE	ug/L	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U
TOLUENE	ug/L	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U
TRICHLOROETHENE	ug/L	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 UJ
VINYL CHLORIDE	ug/L	<0.5 U

Location ID: Sample Date:	Units	46WW09-081313 8/13/2013	46WW13-081313 8/13/2013	46WW14-081313 8/13/2013	LHSMW19-081313 8/13/2013
ID Location:		Site 46 - N, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, center region. Sampled quarterly	Site 46 - N, within the site boundary, outer region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly
Inorganic Anions (9056)					
NITRATE	mg/L	<1 U	0.352 J	<0.2 U	<0.4 U
NITRITE	mg/L	<1 U	<0.4 U	<0.2 U	<0.4 U
Metals (6010C)					
IRON	mg/L	<0.1 U	0.153 J	1.39	<0.1 U

Location ID: Sample Date:	Units	50DPT01A (31-35) 120813 8/12/2013	50DPT01A (36-40) 110813 8/11/2013	50DPT01A (41-45) 110813 8/11/2013	50DPT03A (26-30) 080813 8/8/2013	50DPT03A (26-30) 080813D 8/8/2013	50DPT03A (31-35) 080813 8/8/2013	50DPT03A (36-40) 080813 8/8/2013	50DPT03A (41-45) 080813 8/8/2013	50DPT03A (46-50) 080813 8/8/2013
ID Location:		Site 50 - NE, within the site boundary, outer region	Site 50 - NE, within the site boundary, outer region	Site 50 - NE, within the site boundary, outer region	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street. Dup	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street	Site 50 - ENE, outside the site boundary, just across the street
Akalinity (310.2)										
ALKALINITY, TOTAL	mg/L	300	N/A	329	299	334	N/A	N/A	N/A	252 J
Metals (6010C)										
CALCIUM	mg/L	172	N/A	134	218	229	N/A	N/A	N/A	126 J
IRON	mg/L	273	N/A	113	507	605	N/A	N/A	N/A	207 J
MAGNESIUM	mg/L	91.9	N/A	78.9	65.9	64.7	N/A	N/A	N/A	71.6 J
POTASSIUM	mg/L	6.11	N/A	5.06	8.19 J	9.28 J	N/A	N/A	N/A	3.58 J
SODIUM	mg/L	319	N/A	316	636	319	N/A	N/A	N/A	279
Perchlorate (6850)										
PERCHLORATE	ug/L	0.806	0.605	0.12 J	N/A	N/A	884	10.7	4.64	2.53 J
Volatile Organic Compounds (8260B)										
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	1.01	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	2.25	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	N/A	N/A	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	N/A	N/A	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	4.75	0.66 J	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	N/A	N/A	<5 U	<5 U	<5 U	4.65 J
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	N/A	N/A	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	N/A	N/A	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	9.34 J	<5 U	N/A	N/A	<5 U	3.46 J	3.46 J	32.1 J
BENZENE	ug/L	<0.25 U	0.235 J	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 UJ	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 UJ
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	5.31
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	0.208 J	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	0.804 J	0.306 J	0.389 J	N/A	N/A	11.9	0.473 J	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	N/A	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	N/A	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	0.385 J	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	0.431 J	0.255 J	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	0.308 J	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	N/A	N/A	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	4.62	1.9	2.69	N/A	N/A	371	61.8	1.85	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	N/A	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)										
CHLORIDE	mg/L	439	N/A	424	340	331	N/A	N/A	N/A	N/A
SULFATE	mg/L	387	N/A	377	392	384	N/A	N/A	N/A	N/A

Location ID: Sample Date:	Units	50DPT03A (46-50) F080813 8/8/2013	50DPT04A (31-35) 090813 8/9/2013	50DPT04A (31-35) 090813-D 8/9/2013	50DPT04A (36-40) 090813 8/9/2013	50DPT04A (41-45) 090813 8/9/2013	50DPT12A (26-30) 070813 8/7/2013	50DPT12A (31-35) 070813 8/7/2013	50DPT12A (36-40) 070813 8/7/2013	50DPT12A (44-46) 080813 8/8/2013
ID Location:		Site 50 - ENE, outside the site boundary, just across the street. Filtered	Site 50 - SSE, within the site boundary	Site 50 - SSE, within the site boundary. Dup	Site 50 - SSE, within the site boundary	Site 50 - SSE, within the site boundary	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek
Akalinity (310.2)										
ALKALINITY, TOTAL	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metals (6010C)										
CALCIUM	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IRON	mg/L	<0.1 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAGNESIUM	mg/L	63.6 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
POTASSIUM	mg/L	5.24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SODIUM	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Perchlorate (6850)										
PERCHLORATE	ug/L	N/A	871	836	2.09	0.779	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Volatile Organic Compounds (8260B)										
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	N/A	0.305 J	0.293 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	N/A	1.05 J	1.02 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	N/A	1.18	1.13	0.327 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	N/A	<5 U	<5 U	<5 U	3.55 J	<5 U	<5 U	2.66 J	<5 U
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	N/A	<5 U	<5 U	<5 U	30.7	4.8 J	<5 U	9.19 J	5.49 J
BENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.258 J	<0.25 U	0.204 J	<0.25 U
BROMOBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	N/A	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	N/A	2.05	1.92	<0.5 U	<0.5 U	5.77	7.32	3.76	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	1.45	1.73	<0.5 U	<0.5 U
TOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.303 J	<0.5 U	0.357 J	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	N/A	141	133	9.32	1.47	5.88	4.15	2.38	1.3
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.949 J	1.58	0.761 J	<0.5 U
Inorganic Anions (9056)										
CHLORIDE	mg/L	378 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SULFATE	mg/L	374 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Location ID: Sample Date:	Units	58DPT14 (33-37)-240813 8/24/2013	58DPT15A (28-38) 060913 9/6/2013	58DPT25 (36-40)-230813 8/23/2013
		Site 58 - SW, outside the site boundary	Site 58 - SSW, outside the site boundary, just off the side of the road	Site 58 - SW, outside the site boundary
Volatile Organic Compounds (8260B)				
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	0.368 J	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	20.9	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	49.6	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 UJ	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 UJ	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	11.5	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	5.09 J	<5 UJ	11.8
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 UJ	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 UJ	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U
ACETONE	ug/L	30.2	<5 U	90.6
BENZENE	ug/L	<0.25 U	0.393 J	0.203 J
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	1.42	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 UJ	<0.5 U	<0.5 UJ
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 UJ	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	6.82	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	0.302 J	<0.5 U

Location ID: Sample Date:	Units	67DPT13B (26-30)- 240813 8/24/2013	67DPT13C (23-33) 050913 9/5/2013
		Site 67 - WSW, within the site boundary, outer region	Site 67 - WSW, within the site boundary, outer region
Volatile Organic Compounds (8260B)			
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	4.16	<0.5 U
1,1-DICHLOROETHANE	ug/L	18.7	0.323 J
1,1-DICHLOROETHENE	ug/L	518	2.47
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	103	0.386 J
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	0.287 J	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U
ACETONE	ug/L	<5 UJ	4.45 J
BENZENE	ug/L	0.269 J	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U
CHLOROFORM	ug/L	2.49	<0.25 U
CHLOROMETHANE	ug/L	<1 UJ	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	1.25	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U
TRICHLOROETHENE	ug/L	1.39	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	0.277 J	<0.5 U

Location ID: Sample Date:	Units	LH18/24-SP650-6114-COMP 9/3/2013	LH18/24-SP650-6114-GRAB 9/3/2013	LH18/24-SP650-6116-COMP 9/9/2013	LH18/24-SP650-6116-GRAB 9/9/2013	LH18/24-SP650-6118-COMP 9/16/2013	LH18/24-SP650-6118-GRAB 9/16/2013	LH18/24-SP650-6120-GRAB 9/23/2013	LH18/24-SP650-6122-COMP 9/30/2013	LH18/24-SP650-6122-GRAB 9/30/2013
ID Location		GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled biweekly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Quarterly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Quarterly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650 Sampled Biweekly
Petrochemicals-Oil (1664A)										
OIL & GREASE	mg/L	N/A	N/A	18.3	9.7	N/A	N/A	N/A	N/A	N/A
Ammonia Nitrogen (350.1)										
AMMONIA AS N	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	5.12	N/A	N/A
Ortho-Phosphate (365.2)										
ORTHO-PHOSPHATE	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	0.781	N/A	N/A
Chemical Oxygen (410.4)										
CHEMICAL OXYGEN DEMAND	mg/L	N/A	N/A	20.5 J	41.3	N/A	N/A	N/A	N/A	N/A
Toal Organic Carbon (415.1)										
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	3.54	N/A	N/A
Metals (6010C)										
ALUMINUM	mg/L	N/A	N/A	<0.1 U	<0.1 U	N/A	N/A	N/A	N/A	N/A
Chromium, Trivalent	mg/L	N/A	N/A	0.00581	0.00564	N/A	N/A	N/A	N/A	N/A
IRON	mg/L	N/A	N/A	<0.1 U	0.0732 J	N/A	N/A	N/A	N/A	N/A
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.01 UJ	<0.01 U	<0.01 U	<0.01 U	N/A	<0.01 U	<0.01 U
Metals (6020A)										
ANTIMONY	mg/L	N/A	N/A	<0.001 U	<0.001 U	N/A	N/A	N/A	N/A	N/A
ARSENIC	mg/L	N/A	N/A	0.00579	0.00994	N/A	N/A	N/A	N/A	N/A
BARIUM	mg/L	N/A	N/A	0.217	0.227	N/A	N/A	N/A	N/A	N/A
CADMIUM	mg/L	N/A	N/A	<0.0006 U	<0.0006 U	N/A	N/A	N/A	N/A	N/A
CHROMIUM	mg/L	N/A	N/A	0.00581	0.00564	N/A	N/A	N/A	N/A	N/A
COBALT	mg/L	N/A	N/A	<0.001 U	<0.001 U	N/A	N/A	N/A	N/A	N/A
LEAD	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	N/A	<0.001 U	<0.001 U
MANGANESE	mg/L	N/A	N/A	0.265	0.256	N/A	N/A	N/A	N/A	N/A
NICKEL	mg/L	N/A	N/A	0.0028 J	0.0028 J	N/A	N/A	N/A	N/A	N/A
SILVER	mg/L	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	<0.001 U	N/A	<0.001 U	<0.001 U
THALLIUM	mg/L	N/A	N/A	<0.0002 U	<0.0002 U	N/A	N/A	N/A	N/A	N/A
VANADIUM	mg/L	N/A	N/A	<0.005 U	<0.005 U	N/A	N/A	N/A	N/A	N/A
ZINC	mg/L	N/A	N/A	0.0492 J	0.0483 J	N/A	N/A	N/A	N/A	N/A
Perchlorate (6850)										
PERCHLORATE	ug/L	1.08	0.994	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Hexavalent Chromium (7196A)										
HEXAVALENT CHROMIUM	mg/L	<0.01 U	<0.01 U	<0.01 UJ	<0.01 UJ	<0.01 U	<0.01 U	N/A	<0.01 U	<0.01 U
Volatile Organic Compounds (8260B)										
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,1-DICHLOROETHANE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
1,1-DICHLOROETHENE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	N/A	<0.3 U	N/A	<0.3 U	N/A	N/A	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 U	N/A	<2 U	N/A	<2 U	N/A	N/A	<2 U
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,2-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
1,2-DICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
2-BUTANONE	ug/L	N/A	<5 U	N/A	<5 U	N/A	<5 U	N/A	N/A	<5 U
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
2-HEXANONE	ug/L	N/A	<5 U	N/A	<5 U	N/A	<5 U	N/A	N/A	<5 U
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	N/A	<5 U	N/A	<5 U	N/A	N/A	<5 U
ACETONE	ug/L	N/A	<5 U	N/A	<5 U	N/A	<5 U	N/A	N/A	<5 UJ
BENZENE	ug/L	N/A	<0.25 UJ	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
BROMOBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
BROMOFORM	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
BROMOMETHANE	ug/L	N/A	<1 UJ	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 UJ
CARBON DISULFIDE	ug/L	N/A	1.85 J	N/A	1.41 J	N/A	<1 U	N/A	N/A	<1 U
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
CHLOROBENZENE	ug/L	N/A	<0.25 UJ	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
CHLOROETHANE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
CHLOROFORM	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
CHLOROMETHANE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	N/A	2.83	N/A	2.76	N/A	2.29	N/A	N/A	2
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
DIBROMOMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
ETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
M,P-XYLENE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
METHYLENE CHLORIDE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
NAPHTHALENE	ug/L	N/A	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	N/A	N/A	<0.4 U
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
O-XYLENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
STYRENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	N/A	N/A	<0.25 U
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
TETRACHLOROETHENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
TOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	N/A	<1 U	N/A	<1 U	N/A	N/A	<1 U
TRICHLOROETHENE	ug/L	N/A	2.9	N/A	2.83	N/A	2.44	N/A	N/A	2.43
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
VINYL CHLORIDE	ug/L	N/A	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	N/A	N/A	<0.5 U
Semivolatile Organic Compounds (8270D)										
HEXACHLOROBENZENE	ug/L	N/A	N/A	<0.5 U	<0.5 U	N/A	N/A	N/A	N/A	N/A
Inorganic Anions (9056)										
CHLORIDE	mg/L	1080	1220	1100	1140	1150	1050	N/A	1050	1060
SULFATE	mg/L	88.4	121	58.1	31.7	106	72.8	N/A	54.9	35.4

Location ID: Sample Date:	Units	LH18/24-Air-5113-Downwind 9/4/2013	LH18/24-Air-5113-GWTP 9/3/2013	LH18/24-Air-5113-Stripper 9/3/2013	LH18/24-Air-5113-Stripper-DUP 9/3/2013	LH18/24-Air-5115-Stripper 9/9/2013	LH18/24-Air-5115-GWTP 9/9/2013	LH18/24-Air-5115-Downwind 9/10/2013
ID Location		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line. Dup, Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly
Ambient Air (TO-15)								
1,1,1-TRICHLOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,1,2-TRICHLOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,1-DICHLOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,1-DICHLOROETHENE	ug/m3	<11 U	<0.68 U	160	230	250	<0.68 U	<0.75 U
1,2,4-TRICHLOROBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<11 U	3.4	<130 U	<130 U	<170 U	1.6	5.2
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,2-DIBROMOETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,2-DICHLOROBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,2-DICHLOROETHANE	ug/m3	<11 U	<0.68 U	160	230	210	<0.68 U	<0.75 U
1,2-DICHLOROPROPANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<11 U	1	<130 U	<130 U	<170 U	<0.68 U	1.4
1,3-BUTADIENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,3-DICHLOROBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,4-DICHLOROBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
1,4-DIOXANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
2-BUTANONE (MEK)	ug/m3	<110 U	<6.8 U	<1300 U	<1300 U	1700 U	6.8 U	28
2-HEXANONE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
2-PROPANOL	ug/m3	<110 U	14	<1300 U	<1300 U	1700 U	<0.68 U	7.5 U
4-ETHYLTOLUENE	ug/m3	<11 U	1.1	<130 U	<130 U	<170 U	<0.68 U	0.98
4-METHYL-2-PENTANONE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
ACETONE	ug/m3	<110 U	11	<1300 U	<1300 U	1700 U	12	39
ACETONITRILE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
ACROLEIN	ug/m3	<45 U	<2.7 U	<520 U	<530 U	660 U	2.7 U	<0.75 U
ACRYLONITRILE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	3.6
ALLYL CHLORIDE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
ALPHA-PINENE	ug/m3	<11 U	6.3	<130 U	<130 U	<170 U	5.8	4.9
BENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	1.4	1.5
BENZYL CHLORIDE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
BROMODICHLOROMETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
BROMOFORM	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
BROMOMETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CARBON DISULFIDE	ug/m3	<110 U	<6.8 U	<1300 U	<1300 U	1700 U	6.8 U	7.5 U
CARBON TETRACHLORIDE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CHLOROBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CHLOROETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CHLOROFORM	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CHLOROMETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CIS-1,2-DICHLOROETHENE	ug/m3	<11 U	11	12000	16000	16000	7.5	<0.75 U
CIS-1,3-DICHLOROPROPENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
CYCLOHEXANE	ug/m3	<23 U	<1.4 U	<260 U	<270 U	330 U	1.4 U	1.5
DIBROMOCHLOROMETHANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
DICHLORODIFLUOROMETHANE	ug/m3	<11 U	2.3	<130 U	<130 U	<170 U	2.4	2.6
D-LIMONENE	ug/m3	<11 U	3.3	<130 U	<130 U	<170 U	2	2.4
ETHANOL	ug/m3	<110 U	72	<1300 U	<1300 U	1700 U	16	860
ETHYL ACETATE	ug/m3	<23 U	<1.4 U	<260 U	<270 U	330 U	1.4 U	4.8
ETHYLBENZENE	ug/m3	<11 U	1.6	<130 U	<130 U	<170 U	<0.68 U	2.9
HEXACHLOROBUTADIENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
ISOPROPYLBENZENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
M,P-XYLENE	ug/m3	<23 U	6.3	<260 U	<270 U	330 U	2.5	10
METHYL METHACRYLATE	ug/m3	<23 U	<1.4 U	<260 U	<270 U	330 U	1.4 U	1.5 U
METHYL TERT-BUTYL ETHER	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
METHYLENE CHLORIDE	ug/m3	<11 U	8.9	9400	13000	12000	7.6	1.5
NAPHTHALENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
N-BUTYL ACETATE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
N-HEPTANE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	0.81	1.6
N-HEXANE	ug/m3	<11 U	1.1	<130 U	<130 U	<170 U	1.6	3.2
N-NONANE	ug/m3	<11 U	4.8	<130 U	<130 U	<170 U	1.2	4.1
N-OCTANE	ug/m3	<11 U	0.71	<130 U	<130 U	<170 U	<0.68 U	0.77
N-PROPYLBENZENE	ug/m3	<11 U	0.84	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
O-XYLENE	ug/m3	<11 U	2.1	<130 U	<130 U	<170 U	0.78	2.9
PROPENE	ug/m3	<11 U	6.1	<130 U	<130 U	<170 U	<0.68 U	3.5
STYRENE	ug/m3	<11 U	2.2	<130 U	<130 U	<170 U	0.86	3
TETRACHLOROETHENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	1.1
TETRAHYDROFURAN	ug/m3	<11 U	1.6	<130 U	<130 U	<170 U	1.9	11
TOLUENE	ug/m3	<11 U	1.9	<130 U	<130 U	<170 U	1.7	15
TRANS-1,2-DICHLOROETHENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U
TRICHLOROETHENE	ug/m3	<11 U	25	25000	31000	32000	19	1.2
TRICHLOROFLUOROMETHANE	ug/m3	<11 U	1.1	<130 U	<130 U	<170 U	1.2	2
TRICHLOROTRIFLUOROETHANE	ug/m3	<11 U	41	14000	19000	19000	30	5.6
VINYL ACETATE	ug/m3	<110 U	<6.8 U	<1300 U	<1300 U	1700 U	6.8 U	7.5 U
VINYL CHLORIDE	ug/m3	<11 U	<0.68 U	<130 U	<130 U	<170 U	<0.68 U	<0.75 U

Location ID: Sample Date:	Units	LH18/24-AIR-5117-Downwind 9/17/2013	LH18/24-AIR-5117-GWTP 9/16/2013	LH18/24-AIR-5117-Stripper 9/16/2013
ID Location		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly	GWTP – Grab samples, collected from the air stripper line Sampled Weekly
Ambient Air (TO-15)				
1,1,1-TRICHLOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,1,2,2-TETRACHLOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,1,2-TRICHLOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,1-DICHLOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,1-DICHLOROETHENE	ug/m3	<0.68 U	<0.68 U	170
1,2,4-TRICHLOROBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,2,4-TRIMETHYLBENZENE	ug/m3	<0.68 U	0.95	<160 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,2-DIBROMOETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,2-DICHLOROBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,2-DICHLOROETHANE	ug/m3	<0.68 U	<0.68 U	180
1,2-DICHLOROPROPANE	ug/m3	<0.68 U	<0.68 U	<160 U
1,3,5-TRIMETHYLBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,3-BUTADIENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,3-DICHLOROBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,4-DICHLOROBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
1,4-DIOXANE	ug/m3	<0.68 U	<0.68 U	<160 U
2-BUTANONE (MEK)	ug/m3	<6.8 U	<6.8 U	<1600 U
2-HEXANONE	ug/m3	<0.68 U	<0.68 U	<160 U
2-PROPANOL	ug/m3	<6.8 U	<6.8 U	<1600 U
4-ETHYLTOLUENE	ug/m3	<0.68 U	<0.68 U	<160 U
4-METHYL-2-PENTANONE	ug/m3	0.96	<0.68 U	<160 U
ACETONE	ug/m3	12	18	<1600 U
ACETONITRILE	ug/m3	<0.68 U	<0.68 U	<160 U
ACROLEIN	ug/m3	<2.7 U	<2.7 U	<660 U
ACRYLONITRILE	ug/m3	<0.68 U	<0.68 U	<160 U
ALLYL CHLORIDE	ug/m3	<0.68 U	<0.68 U	<160 U
ALPHA-PINENE	ug/m3	4.7	12	<160 U
BENZENE	ug/m3	<0.68 U	1.9	<160 U
BENZYL CHLORIDE	ug/m3	<0.68 U	<0.68 U	<160 U
BROMODICHLOROMETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
BROMOFORM	ug/m3	<0.68 U	<0.68 U	<160 U
BROMOMETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
CARBON DISULFIDE	ug/m3	<6.8 U	<6.8 U	<1600 U
CARBON TETRACHLORIDE	ug/m3	<0.68 U	<0.68 U	<160 U
CHLOROBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
CHLOROETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
CHLOROFORM	ug/m3	<0.68 U	<0.68 U	<160 U
CHLOROMETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
CIS-1,2-DICHLOROETHENE	ug/m3	<0.68 U	6.5	13000
CIS-1,3-DICHLOROPROPENE	ug/m3	<0.68 U	<0.68 U	<160 U
CYCLOHEXANE	ug/m3	<1.4 U	<1.4 U	<330 U
DIBROMOCHLOROMETHANE	ug/m3	<0.68 U	<0.68 U	<160 U
DICHLORODIFLUOROMETHANE	ug/m3	2.6	2.5	<160 U
D-LIMONENE	ug/m3	1.3	2.9	<160 U
ETHANOL	ug/m3	30	40	<1600 U
ETHYL ACETATE	ug/m3	1.9	<1.4 U	<330 U
ETHYLBENZENE	ug/m3	<0.68 U	1.6	<160 U
HEXACHLOROBUTADIENE	ug/m3	<0.68 U	<0.68 U	<160 U
ISOPROPYLBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
M,P-XYLENE	ug/m3	<1.4 U	6.3	<330 U
METHYL METHACRYLATE	ug/m3	<1.4 U	<1.4 U	<330 U
METHYL TERT-BUTYL ETHER	ug/m3	<0.68 U	<0.68 U	<160 U
METHYLENE CHLORIDE	ug/m3	<0.68 U	4.5	6300
NAPHTHALENE	ug/m3	<0.68 U	<0.68 U	<160 U
N-BUTYL ACETATE	ug/m3	<0.68 U	0.75	<160 U
N-HEPTANE	ug/m3	<0.68 U	<0.68 U	<160 U
N-HEXANE	ug/m3	0.98	1.6	<160 U
N-NONANE	ug/m3	<0.68 U	1.9	<160 U
N-OCTANE	ug/m3	<0.68 U	<0.68 U	<160 U
N-PROPYLBENZENE	ug/m3	<0.68 U	<0.68 U	<160 U
O-XYLENE	ug/m3	<0.68 U	1.8	<160 U
PROPENE	ug/m3	<0.68 U	1.7	<160 U
STYRENE	ug/m3	<0.68 U	1.3	<160 U
TETRACHLOROETHENE	ug/m3	<0.68 U	<0.68 U	<160 U
TETRAHYDROFURAN	ug/m3	<0.68 U	2.4	<160 U
TOLUENE	ug/m3	1	4.3	<160 U
TRANS-1,2-DICHLOROETHENE	ug/m3	<0.68 U	<0.68 U	<160 U
TRANS-1,3-DICHLOROPROPENE	ug/m3	<0.68 U	<0.68 U	<160 U
TRICHLOROETHENE	ug/m3	1.1	14	24000
TRICHLOROFLUOROMETHANE	ug/m3	1.3	1.3	<160 U
TRICHLOROTRIFLUOROETHANE	ug/m3	4.5	22	14000
VINYL ACETATE	ug/m3	<6.8 U	<6.8 U	<1600 U
VINYL CHLORIDE	ug/m3	<0.68 U	<0.68 U	<160 U

Location ID: Sample Date:	Units	46WW02-081413 8/14/2013	46WW02-091913 9/19/2013	46WW02F-091913 9/19/2013	46WW03-092613 9/26/2013	46WW04-092113 9/21/2013	46WW04F-092113 9/21/2013	46WW05-081413 8/14/2013	46WW06-092513 9/25/2013
ID Location		Site 46 - NNW, within the site boundary, middle region. Sampled quarterly	Site 46 - NNW, within the site boundary, middle region. Sampled quarterly	Site 46 - NNW, within the site boundary, middle region. Filtered, Sampled quarterly	Site 46 - NNW, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Filtered, Sampled quarterly	Site 46 - N, within the site boundary, outer region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	N/A	<20 U	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (365.4)									
PHOSPHORUS	mg/L	N/A	0.131 J	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	8.74	N/A	N/A	N/A	N/A	N/A	N/A
Metals (6010C)									
IRON	mg/L	0.408	N/A	0.753	N/A	N/A	N/A	29	N/A
Metals (6020A)									
MANGANESE	mg/L	N/A	N/A	0.254	N/A	N/A	N/A	N/A	N/A
THALLIUM	mg/L	N/A	0.000239 J	N/A	<0.0002 U	N/A	<0.0002 U	N/A	N/A
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	N/A	<0.4 UJ	<0.4 U	N/A	N/A	<0.4 UJ
1,1,2-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,1-DICHLOROETHANE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
1,1-DICHLOROETHENE	ug/L	N/A	1.94 J	N/A	<1 U	<1 U	N/A	N/A	<1 U
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	N/A	<0.3 U	<0.3 U	N/A	N/A	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	N/A	N/A	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 UJ	N/A	<2 U	<2 UJ	N/A	N/A	<2 U
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,2-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
1,2-DICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	N/A	N/A	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	N/A	N/A	<0.4 U
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
2-BUTANONE	ug/L	N/A	<5 UJ	N/A	<5 U	<5 UJ	N/A	N/A	<5 U
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
2-HEXANONE	ug/L	N/A	<5 UJ	N/A	<5 UJ	<5 U	N/A	N/A	<5 UJ
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	N/A	<5 U	<5 U	N/A	N/A	<5 U
ACETONE	ug/L	N/A	<5 UJ	N/A	<5 U	<5 UJ	N/A	N/A	<5 U
BENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
BROMOBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	N/A	N/A	<0.4 U
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
BROMOFORM	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
BROMOMETHANE	ug/L	N/A	<1 U	N/A	<1 UJ	<1 UJ	N/A	N/A	<1 UJ
CARBON DISULFIDE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
CHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
CHLOROETHANE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
CHLOROFORM	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
CHLOROMETHANE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	N/A	1.91	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
DIBROMOMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
ETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
M,P-XYLENE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
METHYLENE CHLORIDE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
NAPHTHALENE	ug/L	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	N/A	N/A	<0.4 U
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
O-XYLENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
STYRENE	ug/L	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	N/A	N/A	<0.25 U
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
TETRACHLOROETHENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
TOLUENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	N/A	<1 U	<1 U	N/A	N/A	<1 U
TRICHLOROETHENE	ug/L	N/A	37.4	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
VINYL CHLORIDE	ug/L	N/A	0.465 J	N/A	<0.5 U	<0.5 U	N/A	N/A	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	N/A	32.6	N/A	N/A	N/A	N/A	N/A	N/A
NITRATE	mg/L	<0.4 U	<1 U	N/A	N/A	N/A	N/A	<0.6 U	N/A
NITRITE	mg/L	<0.4 U	<1 U	N/A	N/A	N/A	N/A	<0.6 U	N/A
SULFATE	mg/L	N/A	193	N/A	N/A	N/A	N/A	N/A	N/A
Dissolved Gases (RSK-175)									
CARBON DIOXIDE	ug/L	N/A	118000	N/A	N/A	N/A	N/A	N/A	N/A
ETHANE	ug/L	N/A	<2 U	N/A	N/A	N/A	N/A	N/A	N/A
ETHENE	ug/L	N/A	<2 U	N/A	N/A	N/A	N/A	N/A	N/A
METHANE	ug/L	N/A	<2 U	N/A	N/A	N/A	N/A	N/A	N/A

Location ID: Sample Date:	Units	46WW06F-092513 9/25/2013	46WW07-091913 9/21/2013	46WW08-092113 9/21/2013	46WW08-092113-FD 9/21/2013	46WW10-092113 9/21/2013	46WW11-081413 8/14/2013	46WW11-091913 9/19/2013	46WW11F-091913 9/19/2013
ID Location		Site 46 - NW, within the site boundary, middle region. Filtered, Sampled quarterly	Site 46 - N, within the site boundary, outer region. Sampled quarterly	Site 46 - NNW, within the site boundary, outer region. Sampled quarterly	Site 46 - NNW, within the site boundary, outer region. Dup, Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Sampled quarterly	Site 46 - NW, within the site boundary, middle region. Filtered, Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	<20 U	N/A
Phosphorus (365.4)									
PHOSPHORUS	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	<0.2 U	N/A
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	2.81	N/A
Metals (6010C)									
IRON	mg/L	N/A	N/A	N/A	N/A	N/A	<0.1 U	N/A	<0.1 U
Metals (6020A)									
MANGANESE	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0983
THALLIUM	mg/L	0.000115 J	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	N/A	<0.0002 U	N/A
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
1,1,2-TRICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,1-DICHLOROETHANE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
1,1-DICHLOROETHENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	N/A
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 U	<2 UJ	N/A
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,2-DICHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
1,2-DICHLOROETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
2-BUTANONE	ug/L	N/A	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 U	<5 UJ	N/A
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
2-HEXANONE	ug/L	N/A	<5 UJ	<5 U	<5 U	<5 U	<5 U	<5 UJ	N/A
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	N/A
ACETONE	ug/L	N/A	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	N/A
BENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
BROMOBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
BROMOFORM	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
BROMOMETHANE	ug/L	N/A	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 U	<1 U	N/A
CARBON DISULFIDE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
CHLOROBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
CHLOROETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
CHLOROFORM	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
CHLOROMETHANE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
CIS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	1.56	1.11	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
DIBROMOMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
ETHYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
M,P-XYLENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
METHYLENE CHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
NAPHTHALENE	ug/L	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	N/A
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
O-XYLENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
STYRENE	ug/L	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	N/A
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
TETRACHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
TOLUENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.506 J	<0.5 U	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	N/A
TRICHLOROETHENE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	85.9	79.8	N/A
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
VINYL CHLORIDE	ug/L	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	N/A
Inorganic Anions (9056)									
CHLORIDE	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	225	N/A
NITRATE	mg/L	N/A	N/A	N/A	N/A	N/A	<0.4 U	<3 U	N/A
NITRITE	mg/L	N/A	N/A	N/A	N/A	N/A	<0.4 U	<3 U	N/A
SULFATE	mg/L	N/A	N/A	N/A	N/A	N/A	N/A	613	N/A
Dissolved Gases (RSK-175)									
CARBON DIOXIDE	ug/L	N/A	N/A	N/A	N/A	N/A	N/A	113000	N/A
ETHANE	ug/L	N/A	N/A	N/A	N/A	N/A	N/A	<2 U	N/A
ETHENE	ug/L	N/A	N/A	N/A	N/A	N/A	N/A	<2 U	N/A
METHANE	ug/L	N/A	N/A	N/A	N/A	N/A	N/A	27.4	N/A

Location ID: Sample Date:	Units	46WW14-091913 9/19/2013	46WW14F-091913 9/19/2013	LHSMW08-092113 9/21/2013	LHSMW08F-092113 9/21/2013	LHSMW14-092413 9/24/2013	LHSMW21-092513 9/25/2013	LHSMW25-092513 9/25/2013	LHSMW25-092513-FD 9/25/2013
ID Location		Site 46 - N, within the site boundary, outer region. Sampled quarterly	Site 46 - N, within the site boundary, outer region. Filtered, Sampled quarterly	Site 46 - S, within the site boundary, outer region. Sampled quarterly	Site 46 - S, within the site boundary, outer region. Filtered, Sampled quarterly	Site 46 - NNE, within the site boundary, outer region. Sampled quarterly	Site 46 - N, within the site boundary, outer region. Sampled quarterly	Site 46 - NE, within the site boundary, outer region. Sampled quarterly	Site 46 - NE, within the site boundary, outer region. Dup, Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	280	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (365.4)									
PHOSPHORUS	mg/L	<0.2 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	1.69 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metals (6010C)									
IRON	mg/L	N/A	1.49	N/A	N/A	N/A	N/A	N/A	N/A
Metals (6020A)									
MANGANESE	mg/L	N/A	0.382	N/A	N/A	N/A	N/A	N/A	N/A
THALLIUM	mg/L	<0.0002 U	N/A	N/A	0.000112 J	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 UJ	<0.4 UJ	<0.4 UJ	<0.4 UJ
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	N/A	<0.3 U	N/A	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 UJ	N/A	<2 UJ	N/A	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 UJ	N/A	<5 UJ	N/A	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 UJ	N/A	<5 U	N/A	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4-CHLOROTOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	N/A	<5 U	N/A	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 UJ	N/A	<5 UJ	N/A	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	N/A	<1 UJ	N/A	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CARBON DISULFIDE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	30.6	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	N/A	2.43	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	N/A	<0.4 U	N/A	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	N/A	<0.25 U	N/A	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	0.596 J	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	N/A	<1 U	N/A	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	1.64	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	N/A	<0.5 U	N/A	<0.5 U	1.44	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	115	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NITRATE	mg/L	0.102 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NITRITE	mg/L	<0.2 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SULFATE	mg/L	30.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dissolved Gases (RSK-175)									
CARBON DIOXIDE	ug/L	36500	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ETHANE	ug/L	1.16 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ETHENE	ug/L	<2 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A
METHANE	ug/L	738	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Location ID: Sample Date:	Units	58DPT15B (18-28) 170913 9/17/2013	58DPT16 (31-35) 130813 8/13/2013	58DPT17 (36-40) 130813 8/13/2013	58DPT18 (31-35) 120813 8/12/2013	58DPT19 (31-35) 100813 8/10/2013	58DPT20 (36-40) 050813 8/5/2013	58DPT21 (26-30) 060813 8/6/2013	58DPT22 (26-30) 130813 8/13/2013
ID Location		Site 58 - SSE, outside the site boundary, along 4th St.	Site 58 - S, outside the site boundary	Site 58 - SE, outside the site boundary	Site 58 - SE, within the site boundary, south of building 17-A	Site 58 - SE, outside the site boundary	Site 58 - SE, outside the site boundary	Site 58 - E, outside the site boundary, west of building 206	Site 58 - central, within the site boundary, near SE corner of Building 717
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	0.434 J	<0.25 U	<0.25 U	0.334 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	0.86 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 UJ	<0.3 U	<0.3 UJ	<0.3 UJ	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	0.518 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	4.46 J	<5 U	4.56 J	4.06 J	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	29.3 J	7.79 J	19.5	42.1	3.92 J	4.09 J	7.6 J	4.51 J
BENZENE	ug/L	<0.25 U	<0.25 U	1.05	<0.25 U	0.159 J	<0.25 U	0.279 J	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 UJ	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 UJ	<0.4 U	<0.4 UJ	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	0.711 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Location ID: Sample Date:	Units	58DPT23 (36-40) 060813 8/6/2013	58DPT24 (31-35) 100813 8/10/2013	58DPT27 (26-30) 060813 8/6/2013
ID Location		Site 58 - N, along 6th street, outside site boundary	Site 58 - SSE, outside the site boundary, along 6th street, near building 725	Site 58 - NE, outside the site boundary
Volatile Organic Compounds (8260B)				
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 UJ	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	4 J	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 UJ	<0.5 U	<0.5 UJ
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	13.9	4.24 J
BENZENE	ug/L	<0.25 U	1.54	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 UJ	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 UJ	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	1.02	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U

AECOM

Subject:	**Final Minutes, Quarterly Restoration Advisory Board (RAB) Meeting, Longhorn Army Ammunition Plant (LHAAP)**
Location of Meeting:	**Karnack Community Center, Karnack, Texas**
Date of Meeting:	**November 14, 2013, 6:00 – 7:30 PM**

Meeting Participants:

LHAAP/BRAC:	Rose M. Zeiler
USACE:	Aaron Williams, Rick Smith
USAEC:	Marilyn Plitnik, Robin Paul, Cathy Kropp
AECOM:`	Dave Wacker, Gretchen McDonnell
TCEQ:	April Palmie
USEPA Region 6:	Rich Mayer, Janetta Coats, Kent Becher (USGS)
USFWS:	Paul Bruckwicki, Jason Roesner
RAB:	**Present:** Paul Fortune, Carol Fortune, Richard LeTourneau, Tom Walker, Judith Johnson, James Lambright **Absent:** Judy Vandeventer, Ken Burkhalter, Ted Kurz, Charles Dixon, Pickens Winters, Robert Cargill, Lee Guice, Nigel Shivers
RAB Candidates	Terry Britt, John Pollard, Jr.
Public:	Rick Lowerre, CLI-TAG Bridget LaBorde and Robert Whittaker, TMD Technologies Group Tina Walker, Tom Ellerbee, Carrie Bradford, and David Rivera, Texas State Department of Health

An agenda handout for the RAB meeting was provided for the meeting. Additional hard copy meeting materials provided included the AECOM slide presentation, Draft July RAB meeting minutes, a surface water and perimeter well perchlorate data handout, and a GWTP summary handout showing pounds of chemical s removed and volume of water treated.

Welcome – Rose Zeiler
Ms. Zeiler welcomed attendees to the meeting. Special guests were introduced by Ms. Zeiler:

- TMD Technologies Group (Ms. LaBorde and Mr. Whitaker) will be presenting an update on the demonstration study being conducted at LHAAP-37.
- Texas State Department of Health (TSDH) representatives (Mr. Rivera, Mr. Ellerbe, Ms. Walker and Dr. Bradford). Mr. Ellerbe stated that TSDH brought a handout to the meeting containing information relating to Longhorn, and that if anyone has any questions related to public health, they should contact TSDH.
- Ms. Cathy Kropp from US Army Environmental Center was introduced and will be providing an overview of the Longhorn RAB charter and the process of appointing new members.
- Mr. Rick Lowerre of Caddo Lake Institute (CLI) was introduced.
- Mr. Rick Smith of the U.S. Army Corps of Engineers (USACE) was introduced as replacing Mr. John Lambert as the USACE Project Manager for Longhorn.
- Mr. Terry Britt, a RAB membership candidate, was also introduced.

Open Items – Rose Zeiler

Minutes
Ms. Fortune made a motion to approve the July 2013 RAB meeting minutes. Motion seconded by Ms. Johnson.

New Members
Ms. Kropp provided a summary of the RAB member selection process and the RAB charter. Community RAB members must agree to attend regularly and on a voluntary basis (no compensation). A two-thirds vote of sitting RAB members in attendance is required to approve a new RAB member, and membership is effective starting with the next meeting, assuming approval of the Army BRAC Director.

Mr. Terry Britt was introduced as an applicant for RAB membership. Mr. Britt stated he is a resident of Uncertain, and has already been attending RAB meetings. Mr. Britt is interested in restoration of the refuge as a community member and hunter. Mr. Britt is also the President of the Caddo Lake WSC, with public water supply wells near the boundary of the former LHAAP footprint.

Mr. John Pollard, Jr. (arriving after the meeting was called to order) was introduced upon arrival as an applicant. Mr. Pollard stated that he is 79 years old and married, with children and grandchildren. Mr. Pollard served in the United States Army from 1954 – 1957 and is a deacon at Ebenezer Baptist Church in Marshall. Mr. Pollard stated that he feels it is important to be educated on what is going on in the community, and was interested in RAB membership when he saw the newspaper solicitation. Mr. Pollard is on the city planning and zoning commission, and has been on other boards in the past.

The voting members of the RAB in attendance were provided with paper ballots, and voted unanimously to accept both Mr. Britt and Mr. Pollard as new members. Mr. Britt and Mr. Pollard will be officially seated after approval by Mr. Tom Lederle, Army BRAC Director.

Tour
A RAB tour of Longhorn environmental sites will be scheduled for May on the day of the RAB meeting.

LHAAP-37 Bioplug Demonstration Project Update

Ms. Bridget LaBorde and Mr. Robert Whitaker of TMD Technologies Group provided a presentation explaining the Bioplug demonstration project being conducted at LHAAP-35B(37) by Aberdeen Test Center. RAB member questions regarding the technology were answered. See attached LHAAP-37 Bioplug Demonstration Study Presentation. RAB members were given the opportunity to ask questions about the technology.

Ms. Zeiler prefaced the presentation by saying that, prior to implementation of the approved monitored natural attenuation (MNA) remediation remedy for LHAAP-37, Aberdeen Test Center requested permission to conduct a demonstration study using the "bioplug" remediation technology at the site. Army is holding off on full implementation of the approved MNA remedy while the demonstration study is conducted to see what this technology can do to address the groundwater impacts.

Ms. LaBorde stated that the June 2013 data (after 8 months of operation) was not showing a trend for remediation, attributed to slower-than-anticipated groundwater flow across the site. Groundwater elevations have dropped at the site due to relatively dry conditions over the past several years, and groundwater flow rates have decreased along with that. However, September 2013 data (after 11 months of system operation) showed trends in some wells for degradation of volatile organic compounds (VOCs). The system is planned to operate for a total of 24 months.

Defense Environmental Restoration Program (DERP) Update – AECOM (Dave Wacker)

Fieldwork Completed and Upcoming Field Activities Planned
Mr. Wacker provided an update and summary of several sites where field work has recently been completed or is underway (LHAAP-46, LHAAP-67, LHAAP-18/24, LHAAP-35B(37), LHAAP-50, LHAAP-35A(58), LHAAP-03, LHAAP-12 and LHAAP-16). See attached AECOM PowerPoint presentation for maps and tables referenced below. Mr. Wacker also noted a display of photographs depicting recent field work conducted.

<u>LHAAP-46 Plant 2 Area Update – Remedy In Place</u>

Primary contaminant is trichloroethene (TCE) in groundwater at levels less than 100 micrograms per liter (µg/L), with a clean-up level of 5 µg/L. The remedy for the site is MNA and land use controls, so additional wells were installed earlier this year and the initial monitoring round conducted.

Contamination at the site consists of shallow (to ~30' bgs) and intermediate (~30-60' bgs) groundwater zone plumes with a total of 21 wells now being monitored to observe the plumes. Mr. Wacker showed maps of the shallow and intermediate zone groundwater TCE plumes,

comparing how the plumes were mapped before and after the addition of data from 7 new monitoring wells installed this Spring.

Mr. Wacker noted that during the most recent sampling event several of the wells monitoring the east side of the shallow groundwater zone plume were dry due to drought conditions. If water returns to those wells, the shape of the plume could change if the water is impacted. The analytical results from the first round of sampling were similar to historical results.

The intermediate groundwater zone plume was previously mapped as one continuous area of impact. However, analytical results from the first round of sampling showed no impacts at 46WW09, resulting in the plume being redrawn as two separate but smaller areas of contamination. Delineation of the north edge of the northern plume area has not been accomplished, so another well will be installed in that area to obtain a clean data point that defines the extent of the plume when future field work is completed in the next several months.

LHAAP-67 AST Farm – Remedy In Place

This site has TCE concentrations similar to the LHAAP-46 site, but confined to the shallow groundwater zone. MNA and land use controls for TCE in groundwater is the remedy. Additional wells were installed and the initial monitoring round conducted.

New wells and direct push sampling identified groundwater impacts farther to the west than had been previously mapped, so the next plume configuration map the RAB will see will show the plume extending farther west. The total plume size is still relatively small, approximately 300 feet by 400 feet.

LHAAP-18/24 Burning Ground 3 & Unlined Evaporation Pond – Interim Remedy In Place

A significant amount of additional investigation work has been completed at LHAAP-18/24 this year and a draft data report has been generated and submitted to TCEQ and EPA for review and comment. Ultimately, a revised feasibility study will be completed for the site.

As background, Ms. Zeiler stated that LHAAP-18/24 is the most highly contaminated at Longhorn. Mr. Wacker added that, because of the high level of contamination, compliance monitoring is performed at this site semi-annually, with ~60 wells being sampled during each event and the next event is planned for December.

LHAAP-35B(37) – Chemical Laboratory – Remedy In Place

This site is the former Chemical Laboratory with shallow groundwater impacted by tetrachloroethylene (PCE) and TCE plumes. LHAAP-35B(37) is the subject of the bioplug demonstration study briefed earlier in the meeting by TMD Technologies Group.

If the bioplug approach does not reduce contaminants to acceptable levels, the aquifer will be allowed to return to natural conditions and AECOM will begin the approved remedy using monitored natural attenuation. New wells have recently been installed, so the approved monitored natural attenuation remedy is ready for implementation if the bioplug activity is not successful.

LHAAP-50 Former Sump Water Tank – Remedy In Place

LHAAP-50 was the site of a large above-ground water tank that received sump water from across the plant. Issues at the site are perchlorate in soil, and perchlorate and VOCs in groundwater.

Two areas of perchlorate-impacted soil were recently excavated and removed (approximately 183 cubic yards), and disposed at an off-site landfill. Mr. Wacker showed several photographs of the excavation work that had been performed, including photos demonstrating the depth of the excavation and silt fencing installed between the excavation site and the nearby Goose Prairie Creek.

Confirmation samples were taken to establish that all perchlorate-impacted soils exceeding the clean-up goals had been removed, and the area was backfilled with clean soil. The confirmation sampling layout showing samples collected from the floor and sidewalls of the excavation was presented and explained.

To address groundwater 19 new monitoring wells were installed to support implementation of the approved monitored natural attenuation remedy.

LHAAP-58 Shops Area – Remedy In Place

Multiple plant activities were completed in this area and could have contributed to contamination at the site. VOC impacts to groundwater is the issue at the site. There are two groundwater plumes; "eastern plume" and "western plume", each with their own remediation strategy.

In the heart of the east plume, where concentrations are on the order of a few thousand micrograms per liter, In-Situ Bioremediation (ISB) is being completed to more aggressively treat those higher concentration impacts. Approximately 225 gallons of Wil-Clear Plus, a sodium lactate nutrient for microbes that will degrade VOCs, was injected at each of 12 injection points in the east plume over a month ago. Nutrient was injected at depths of between 23 and 33 feet bgs. Mr. Wacker presented and explained photographs of the injection event activities. The type of microbes required to degrade the contaminants were not present at the site as confirmed by a treatability study completed several months ago by the Army, so bioaugmentation was performed this week to add the required microbes. Approximately one gallon of augmentation solution was injected at each of the locations. The next sampling event will be in January and will collect data to monitor progress of the ISB activities.

Fifteen new groundwater monitoring wells were installed this summer at LHAAP-58 to allow implementation of the monitored natural attenuation remedy for both the eastern and western plumes.

LHAAP-03 – Record of Decision In Progress

LHAAP-03 is a small area within LHAAP-35A(58) associated with the former paint shop. The remedy consists of excavating an approximate 20-feet by 25-feet area (~50 cubic yards) of shallow soil that is impacted with arsenic and lead, for landfill disposal. This will result in two or three truckloads of soil being transported. Any groundwater issues associated with LHAAP-03 will be dealt with as part of LHAAP-35A(58) which fully-encompasses LHAAP-03. Army has received TCEQ's comments on the Record of Decision, and is awaiting EPA's comments.

LHAAP-12 and LHAAP-16 – Remedy In Place (Operation and Maintenance)
Continuing operation and maintenance activities have been performed at these landfill sites. Repainting and relabeling of wells has been a recent focus to improve visibility.

CERCLA 5-Year Review Process for Multiple Sites
The 5-Year review has been performed and the report document is being reviewed by the agencies. The review includes LHAAP-12 and LHAAP-16 which are landfill sites with remedies in place, LHAAP-18/24 associated with the GWTP, the Pistol Range and LHAAP-49 Acid Storage Area.

GWTP
The GWTP continues to operate to contain the groundwater plumes at LHAAP-18/24 and LHAAP-16. See attached AECOM PowerPoint Presentation for more detail where a groundwater extraction data chart and contaminant mass was presented. There has been no flow in Harrison Bayou lately to facilitate discharge of treated water, so treated water has been applied to the ground surface of LHAAP-18/24 through the sprinkler system. The next semi-annual compliance monitoring event for LHAAP-18/24 will be conducted at the end of the month. Preventive maintenance and repairs continue. Quarterly extraction rates are on par with what has been extracted historically.

Perimeter Well Sampling
Perchlorate sampling is conducted for groundwater at several locations along the perimeter of the former facility footprint. A table showing perchlorate results for perimeter wells was presented and included in the hard copy slide packet available at the meeting. Mr. Wacker noted that five of the six designated perimeter wells were dry during the June 2013 event. These wells show a history of being dry depending upon site weather conditions.

Surface Water Sampling
Mr. Wacker explained a handout showing results of surface water sampling for perchlorate in Goose Prairie Creek and Harrison Bayou. The chart indicates very little perchlorate detected in surface water for the past few years.

Upcoming Work, Meetings and Documents
Remedial Action Operations will continue at LHAAP-46, LHAAP-50, LHAAP-58 and LHAAP-67. Semi-annual compliance sampling will be conducted at LHAAP-18/24. Finalization of the CERCLA 5-Year Review report and generation of draft Remedial Action Completion reports for LHAAP-37, LHAAP-46, LHAAP-50, LHAAP-58 and LHAAP-67 is ongoing.

Other Environmental Restoration Issues – Rose Zeiler

Dispute Resolution
Resolution of the ongoing dispute between USEPA and Army regarding clean-up goals continues. While no specific information is available on details of dispute resolution, Ms. Zeiler explained the impacts of the dispute on the remediation work.

LHAAP-16, LHAAP-17, LHAAP-001-R-01, and LHAAP-003-R-01 were on the original list of disputed RODs and progress on those sites stopped in September 2011 when the dispute was initiated. Progress on LHAAP-29 was halted shortly after the dispute was initiated, when it reached the draft final ROD stage. Draft final RODs have been generated for LHAAP-04 and LHAAP-47, but final RODs could not be achieved due to the dispute.

Ms. Zeiler stated that she would bring any new information relating to resolution of the dispute to the RAB as soon as she receives it. She advised the RAB that there are dispute issues on the table that could cause Army to have to go back and do more work on these sites (even those sites that have already been "closed").

Mr Fortune asked if USEPA was telling Army that the sites haven't been cleaned up correctly. Mr. Mayer stated that there is a disagreement on cleanup level that should be used for certain contaminants. Another part of the issue relates to what land use controls must consist of to protect residents if contamination is left at the site.

Ms. Palmie added that there are promulgated federal clean-up standards for most contaminants, but there is not a federal clean-up standard for perchlorate. Where a federal standard does not exist, state standards are usually used when available. The Texas perchlorate clean-up goals have been historically used at Longhorn, but USEPA now feels that a lower "health advisory level" should be used instead, so the crux of the dispute is whether we continue to use the Texas clean-up goal or start to use a lower concentration goal as USEPA wants to do.

Ms. Zeiler stated that Army can only agree to clean-up standards that have actually been made into legal standards by either state or Federal law, and the health advisory level USEPA wants to use is not a legal standard. Further, when the Federal Facility Agreement was signed, USEPA, TCEQ and Army agreed that the Army was grandfathered into the original Texas Risk Reduction Rules and would conduct all remediation work at LHAAP in accordance with those standards. Therefore, all the sampling and investigation that has been done at LHAAP has been done using those clean-up levels.

Mr. Fortune asked who in USEPA made this decision to dispute Longhorn's contaminant clean up goals. Mr. Mayer stated that USEPA now has a policy that all Superfund sites where groundwater could be used for residential use would be cleaned up to residential standards. Mr. Mayer is hopeful a decision will be made within the next three or four months.

Community Involvement Plan / Community Relations Plan
Comments from the RAB Technical Assistance Grant (TAG) holder, CLI, were reviewed and discussed by Ms. Zeiler.

- CLI's comment regarding placing all Administrative Record documents on a searchable website open to the general public (in addition to the Marshall Public Library repository) is being addressed. Although Army is not required to provide internet accessibility to the data to the general public, they have been working toward a website for some time. USAEC has agreed to fund the current contractor (AECOM) to develop a website. The site should be available about 6-8 weeks from when AECOM is authorized to proceed with development of the website.

- CLI suggested that criteria for determining whether the Community Relations Plan has met its objectives should be developed. Army believes that the best and most direct method for making this determining is through feedback through periodic questionnaires. Questionnaires allow open communication where suggestions for changes or improvements can be made directly.
- CLI suggested that the public be provided the opportunity to make formal comments on a variety of technical documents throughout the CERCLA remedy selection process, and specifically during the Remedial Design phase. Ms. Zeiler states that Army follows CERCLA regulation with respect to public comment, through the Proposed Plan public review process. While the Proposed Plan document itself does not provide all technical remedy selection details, it refers the reader to the documents used in the decision-making process leading to the Proposed Plan. Comments, including technical comments, received from the public during the Proposed Plan public comment period are addressed prior to the ROD. For example, Mr. Wacker cited two rounds of groundwater thallium sampling conducted at twenty wells as part of the remedial action at LHAAP-46, which was included in response to public comments on the ROD for LHAAP-46. Ms. Zeiler also stated that the RAB would be updated throughout the Remedial Design phase for upcoming sites and was welcome to provide comments in or after meeting updates.
- Population density information in the Community Relations Plan was questioned by CLI. Ms. Zeiler stated that the information in the plan was taken from the latest census data at the time it was being written.

Ms. Zeiler asked for any additional questions on these responses. Receiving no additional comments from either the RAB or Mr. Lowerre, CLI, Ms. Zeiler stated the Community Relations Plan would be finalized after the RAB meeting.

Look Ahead at the Schedule
Next RAB meeting is tentatively scheduled for February 20th from 6PM – 7:30PM at the Karnack Community Center.

A motion to adjourn was made by Mr. Fortune and seconded by Mr. Lambright.

Adjourn

November Meeting Attachments and Handouts:

- *Meeting Agenda*
- *Minutes from July 2013 RAB meeting*
- *AECOM Powerpoint Presentation*
- *GWTP Treated Groundwater Volumes Handout*
- *Surface Water Sampling Results Handout*
- *LHAAP-37 Bioplug Demonstration Study Presentation*

Acronymns

AECOM	AECOM Technical Services, Inc.
AST	above-ground storage tank
BRAC	Base Realignment and Closure
CERCLA	Comprehensive, Environmental Response, Compensation, and Liability Act
CLI	Caddo Lake Institute
DERP	Defense Environment Response Program
GWTP	Groundwater Treatment Plant
ISB	In-Situ Bioremediation
LHAAP	Longhorn Army Ammunition Plant
MNA	Monitored Natural Attenuation
PCE	tetrachloroethylene
RAB	Restoration Advisory Board
ROD	Record of Decision
TAG	Technical Assistance Grant
TCE	trichloroethene
TCEQ	Texas Commission on Environmental Quality
TSDH	Texas State Department of Health
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
µg/L	micrograms per liter
VOC	volatile organic compound
WSC	Water Supply Corporation

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AGENDA

DATE:	Thursday, November 14, 2013
TIME:	6:00 – 7:30 PM
PLACE:	Karnack Community Center, Karnack, Texas

06:00 Welcome and Introduction

06:05 Open items {RMZ}
- RAB Administrative Issues
- New Members
- Minutes
- Tour

06:10 Defense Environmental Restoration Program (DERP) Update {AECOM}
- Fieldwork completed and upcoming field activities planned
- Groundwater Treatment Plant (GWTP) Update
- Environmental Update for Active Sites

06:30 Other DERP Environmental Restoration Update {RMZ}
- Sitewide LUC Management Plan Update

06:45 Other Environmental Restoration Issues {RMZ}
- CRP/CIP status
- Dispute Status Update
- Schedule

07:00 Presentations:
- Bioplug Demonstration Update
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Flow Process
- Continued discussion of in-situ bioremediation

07:30 Adjourn {RMZ}

AECOM

Subject:	**Draft Minutes, Quarterly Restoration Advisory Board (RAB) Meeting, Longhorn Army Ammunition Plant (LHAAP)**
Location of Meeting:	**Karnack Community Center, Karnack, Texas**
Date of Meeting:	**July 16, 2013, 6:00 – 8:00 PM**

Meeting Participants:

LHAAP/BRAC:	Rose M. Zeiler
USACE:	Aaron Williams
USAEC:	Marilyn Plitnik, Robin Paul
AECOM:`	Dave Wacker, Gretchen McDonnell
TCEQ:	April Palmie
USEPA Region 6:	Rich Mayer, Stephen Tzhone, Janetta Coats, Kent Becher (USGS)
USFWS:	Paul Bruckwicki
RAB:	**Present:** Paul Fortune, Carol Fortune, Richard LeTourneau, Tom Walker, Nigel Shivers **Absent:** Judy Vandeventer, Ken Burkhalter, Ted Kurz, Jim Lambright, Charles Dixon, Pickens Winters, Judith Johnson, Robert Cargill, Lee Guice
Public:	Dawn Orsack, CLI-TAG

An agenda for the RAB meeting was distributed prior to the meeting. Paul Fortune called the meeting to order.

Welcome – Rose Zeiler
Ms. Zeiler welcomed attendees to the meeting. Mr. Wacker advised attendees that there were handouts providing information on various sites at the entry tables.

Open Items – Rose Zeiler

RAB Administrative Issues

New Members

Membership applications were received from Terry Britt and John Pollard. A membership application was provided to Glenn Burkel through Mr. Fortune, but has not been returned. AECOM will send the two applications received to all the RAB members for consideration. RAB members will deliberate prior to the October RAB meeting to decide on installation of the applicants, with the possibility that the new members will be installed during the October RAB meeting.

Community Involvement Plan / Community Relations Plan
No comments have been received from the RAB. Mr. Fortune stated that there is little community interest in the LHAAP RAB and, consequentially, little interest in the Community Relations Plan. Ms. Coats suggested that the RAB send an email to Ms. Zeiler (copy to Ms. Coats, Mr. Mayer and Ms. Palmie) stating that the RAB has no comments. Then USACE will move to finalize the Community Relations Plan. Mr. Fortune agreed, asking that Ms. Zeiler send an email to him copying the others so that he would have their email addresses.

Minutes
Ms. Fortune made a motion to approve all the April 2013 RAB meeting minutes. Motion seconded by Mr. Walker.

Website
Ms. McDonnell gave an overview of the SharePoint website to give RAB members direct access online to pertinent documentation for documents under public review. CDs containing the historical LHAAP Administrative Record through 2012 were distributed to RAB members in attendance to give easier access to historical documentation. In the future, AECOM may issue to RAB members CDs with the Administrative Record documents sorted site-by-site. The SharePoint site is a work in progress so additional items can be added to the site. Ms. Zeiler asked for the addition of 1) the RAB meeting wall map; 2) a map of nearby public water supply wells, surface water sampling locations, and perimeter well locations; and, 3) a RAB meeting folder containing the recent RAB agendas and minutes. The RAB members can also provide requests for things that they might want to have added to the site. Mr. Mayer asked if the CERCLA phase process diagram could be added to the site.

Defense Environmental Restoration Program (DERP) Update – AECOM (Dave Wacker)

Fieldwork Completed and Upcoming Field Activities Planned
AECOM will be doing field work at three primary sites over the next few months; LHAAP-37, LHAAP-50 and LHAAP-58.

Additionally, wells recently installed at LHAAP-46, LHAAP-67 and LHAAP-18/24 will be surveyed, and IDW from recently installed wells will be removed to the disposal site.

<u>LHAAP-35B(37) – Chemical Laboratory</u>
The bioplug study is being performed by APG to treat VOCs in that area, and will run for approximately another year. APG will be presenting information to the RAB at the October RAB meeting.

AECOM's work is separate from the APG bioplug study. For a relative comparison, this site has VOC concentrations greater than LHAAP-46 and LHAAP-67, but much less than that at

LHAAP-18/24. DPT will be used to position permanent wells for monitoring of the remediation.

Mr. Fortune asked what was done at the Chemical Lab to create contamination. Ms. Zeiler stated that it's not confirmed what caused the impacts in that area. She stated that the PCE plume looks like it originated at the sump that was located outside the lab, but that the TCE plume source has not been identified.

Mr. Mayer stated that the bioplug work requires oxygenated conditions, while the AECOM MNA requires reducing conditions. If the bioplug approach does not reduce contaminants to acceptable levels, the aquifer will be restored to reducing conditions by the Bioplug contractor before AECOM begins MNA work.

LHAAP-50 Former Sump Water Tank

Soil and groundwater impacts at this site will be addressed. Two areas of perchlorate-impacted soil will be excavated to a depth of one foot (approximately 150 cubic yards), and disposed at an off-site landfill. Confirmation samples will be taken and excavation continued until all material exceeding the clean-up goal is removed. An additional location across the street will be assessed for potential perchlorate impacts to soils and will be excavated if impacts are found.

Mr. Mayer asked where certified clean backfill soil is obtained from. Mr. Wacker stated that Mr. Matt Munden has a local soil source that is currently being used.

Groundwater at this site is impacted with perchlorate. Additional DPT will be done to guide wells installation.

LHAAP-47 is just to the north of LHAAP-50 and the potential for interaction between the perchlorate plumes for each of these sites will be investigated further.

LHAAP-58 Shops Area

Multiple services were conducted in this area and could have contributed to contamination at the site. VOC impacts to groundwater is the issue at the site. There are two groundwater plumes; "eastern plume" and "western plume", each with their own remediation strategy. In the heart of the east plume, where concentrations are on the order of a few thousand micrograms per liter (µg/L), In-Situ Bioremediation (ISB) will be conducted to more aggressively treat those higher concentration impacts.

Continued Discussion of In-Site Bioremediation

Mr. Wacker provided follow-on information on how ISB is employed. Basic information on the LHAAP-58 treatability study was reviewed. Both substrates tested were effective, but sodium lactate was more efficient and is planned for use at the site.

Document Status/Environmental Sites

AECOM will be doing field work at LHAAP-37, LHAAP-50 and LHAAP-58 over the next few months. Field work has been finished on LHAAP-46, LHAAP-67 and LHAAP-18/24.

LHAAP-46 Plant 2 Area Update

Primary contaminant is trichloroethene with levels less than 100 ug/L, with a clean-up level of 5 ug/L. There are shallow (to 25') and intermediate (25-50') groundwater zone plumes. The remedy is MNA, so additional wells were installed earlier this year and the initial monitoring round conducted. Analytical data will be presented at the next RAB meeting. The monitoring well network was designed to complete delineation of the intermediate plume, so the new data should result in an updated plume map.

LHAAP-67 AST Farm

This site has TCE concentrations similar to the LHAAP-46 site. MNA for trichloroethene is the remedy. Additional wells have been installed and the initial monitoring round conducted. New data will be presented at the next RAB meeting.

The process for getting data from a new well takes several weeks. After installation, the well is allowed to "rest" and equilibrate for two weeks before sampling. After sampling, it takes 21 days for lab to provide data, and an additional 2-4 weeks to validate the data to ensure quality.

Groundwater at both LHAAP-46 and LHAAP-67 will be sampled quarterly for 2 years and then the MNA remedy will be assessed. These sites are in the Remedial Action Operation phase, which is the long, final phase of remediation of a site.

LHAAP-18/24 Burning Ground 3 & Unlined Evaporation Pond

The Groundwater Treatment Plant (GWTP) addresses impacts at this site. A data gap investigation report detailing findings of recent field work will be issued to agencies within the next month. Additional products (cross-sections, etc.) will be produced and be shared with the RAB, likely during the next meeting.

Mr. Walker recalled that the UEP "pond" area is actually a hill. Ms. Zeiler stated that the UEP was filled and covered as part of the closure, so now is a hill versus a depression. Mr. Walker asked how much contaminant material has actually been removed. Mr. Williams stated that 30,000 cubic yards of soil was removed and thermally treated. Ms. Palmie added that contaminant material is also removed from the groundwater. Volumes treated are running about 700,000 gallons per month, and currently removal rates are on the order of pounds per month. AECOM will add contaminant mass removal information to the quarterly RAB handouts. The GWTP treats the groundwater through a multi-stage process, with treated water discharged to Harrison Bayou or back to the surface of the site through sprinklers, and treatment sludge that is generated at a rate of one roll-off every 6 months disposed of off-site. Mr. Walker asked how perchlorates are being addressed in the system. AECOM will do a tutorial on the GWTP process for the next meeting.

Mr. Wacker stated that chlorinated volatiles will be treated through ISB providing food for soil microbes that encourages them to destroy the contaminant when they eat. Additionally, the correct microbes can be added if they don't already exist in the subsurface. Lab studies are done prior to implementation in the field to ensure the process will work in the field.

Of note, a well was installed on the north side of the Bayou to determine whether contamination had gone under Harrison Bayou. The preliminary data from that well shows no impacts in that well indicating the LHAAP-18/24 plume does not appear to extend under Harrison Bayou.

One of the objectives of the LHAAP-18/24 data gap investigation work was to determine whether additional source areas exist within the containment area, and whether contamination extends outside the containment area. The data developed through this investigation work will help answer those questions.

CERCLA 5-Year Review Process for Multiple Sites
The 5-Year review has been performed and the document is planned for submittal to the agencies next week.

LHAAP-03
Record of Decision is in progress, currently under EPA and TCEQ review. Excavation work is planned for the late fall.

LHAAP-12 and LHAAP-16
Continuing operation and maintenance activities have been performed at these landfill sites. Areas of minor erosion and subsidence have been identified and are being addressed with the application of additional soil cover material.

GWTP
The GWTP continues to operate to contain the groundwater plumes at LHAAP-18/24 and LHAAP-16. See attached AECOM PowerPoint Presentation for more detail. A groundwater extraction data chart was presented. AECOM will add a contaminant mass calculation to future handouts.

Surface Water - Recent surface water sampling results were presented for Goose Prairie Creek and Harrison Bayou.

Other DERP Environmental Restoration Update – Rose Zeiler
LHAAP-37 Bioplug Demonstration Project
Ms. Plitnik advised that a presentation on the initial results for the project is anticipated for the RAB meeting to be held in October.

EPA Quality Assurance Sampling (Kent Becher, USGS)
Mr. Mayer introduced Mr. Becher as a USGS liason to EPA acting as technical support for EPA, providing quality assurance. Mr. Becher is particularly involved in split sampling at Longhorn. Mr. Becher provided information on the recent work in the split sampling program for LHAAP. EPA observes the Army's sampling efforts and provides a field report of their observations and recommendations, and compares analytical results.

The September 2012 sampling event was observed. A few minor deviations from the standard operating procedures were observed, but were corrected by Army during the event. The April 2013 sampling event for the emerging contaminant 1,4-dioxane was also observed.

The term "relative percent difference" was explained. Army and EPA samples correlated well for the most part.

1,4-dioxane is an emerging contaminant that EPA is now interested in looking at. It's a stabilizer associated with chlorinated solvents like 1,1,1-trichloroethane. This is a potential carcinogen that is more mobile in water than associated solvents and it degrades slowly. Army volunteered to sample 43 Longhorn wells for this analyte. Some low levels of 1,4-dioxane were found within sites that were thought most likely to have it (i.e., if 1,1,1-trichloroethane was known to be present). Although the Army used an appropriate laboratory method, the EPA split samples resulted in higher values because they were analyzed by a different method. 1,4-dioxane method guidance are currently being developed and refined by EPA.

In summary, Mr. Becher stated that Army and AECOM have been mostly accepting of recommendations EPA has provided, and they are doing a good job.

Other Environmental Restoration Issues – Rose Zeiler

Dispute Resolution
Dispute resolution continues. Nothing specific to update since last RAB meeting.

Look Ahead at the Schedule
Next RAB meeting is tentatively scheduled for Tuesday, October 29th from 6PM – 8PM at the Karnack Community Center.

A motion to adjourn was made by Mr. Fortune and seconded by Mr. LeTourneau.

Adjourn

July Meeting Attachments and Handouts:

- *Meeting Agenda*
- *Minutes from April meeting*
- *AECOM Powerpoint Presentation*
- *GWTP Treated Groundwater Volumes Handout*

Acronyms

AECOM	AECOM Technical Services, Inc.
BRAC	Base Realignment and Closure
CERCLA	Comprehensive, Environmental Response, Compensation, and Liability Act
CLI	Caddo Lake Institute
DERP	Defense Environment Response Program
DPT	Direct Push Technology
GWTP	Groundwater Treatment Plant
ISB	In-Situ Bioremediation
LHAAP	Longhorn Army Ammunition Plant
MNA	Monitored Natural Attenuation
RAB	Restoration Advisory Board
TAG	Technical Assistance Grant
TCEQ	Texas Commission on Environmental Quality
UEP	Unlined Evaporation Pond

USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
µg/L	micrograms per liter

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AGENDA

DATE:	Tuesday, July 16, 2013
TIME:	6:00 – 8:00 PM
PLACE:	Karnack Community Center, Karnack, Texas

06:00 Welcome and Introduction

06:05 Open items {RMZ}
- RAB Administrative Issues
- New Members
- Minutes
- Website – discuss types of documents available

06:35 Defense Environmental Restoration Program (DERP) Update {AECOM}
- Fieldwork completed and upcoming field activities planned
- Groundwater Treatment Plant (GWTP) Update
- Continued discussion of in-situ bioremediation

07:15 Other DERP Environmental Restoration Update {RMZ}
- Status of Demonstration at Site 37
- Sitewide LUC Management Plan Update

07:20 EPA Quality Assurance Sampling (KB)

07:45 Other Environmental Restoration Issues {RMZ}
- CRP/CIP status
- Dispute Resolution

07:50 Look Ahead at the Schedule

08:00 Adjourn {RMZ}

AECOM

Subject:	**Draft Minutes, Quarterly Restoration Advisory Board (RAB) Meeting, Longhorn Army Ammunition Plant (LHAAP)**
Location of Meeting:	**Karnack Community Center, Karnack, Texas**
Date of Meeting:	**April 4, 2013, 4:30 – 6:00 PM**

Meeting Participants:

LHAAP/BRAC:	Rose M. Zeiler
USACE:	Aaron Williams, Wendy Lanier
AECOM:	Dave Wacker, Gretchen McDonnell
TCEQ:	April Palmie
USEPA Region 6:	Rich Mayer, Janetta Coats, Kent Becher (USGS)
USFWS:	Jason Roesner
RAB:	**Present:** Paul Fortune, Pickens Winters, Judy Van Deventer, Judith Johnson, Robert Cargill, Lee Guice, Richard LeTourneau, Tom Walker, **Absent:** Ken Burkhalter, Ted Kurz, Jim Lambright, Charles Dixon, Carol Fortune, Nigel Shivers
Public:	Terry Britt, Bill Mauthe, Two additional unidentified (illegible roster signatures)

An agenda for the RAB meeting was distributed prior to the meeting.

Welcome – Rose Zeiler
Ms. Zeiler welcomed attendees to the meeting. Mr. Wacker advised attendees that there were handouts providing information on various sites at the entry tables.

Open Items – Rose Zeiler
RAB Tour

The RAB tour of LHAAP sites was conducted today from 2PM to 4PM. Mr. Dave Wacker, AECOM led the tour and provided information at each of the various sites, including the ground water treatment plant, 18/24, 04, 12, 16, 17, 29 and several others. A review of the tour will be presented at the next RAB meeting.

Attending the tour were:

Rose Zeiler	Longhorn AAP
Paul Fortune, Judith Johnson, Judy Van Deventer, Pickens Winters, Richard LeTourneau, Terry Britt (prospective member)	RAB Members
April Palmie	TCEQ
Rich Mayer, Janetta Coats	USEPA
Wendy Lanier, Aaron Williams	USACE
Dave Wacker, Gretchen McDonnell	AECOM
Jason Roesner	USFWS
Dawn Orsak	Caddo Lake Institute – USEPA TAG

RAB Administrative Issues

New Member Solicitation – Membership applications will be provided to Terry Britt and Bill Mauthe. An application form for Glenn Burkel will be sent to Paul Fortune.

Minutes

Ms. Johnson made a motion to approve all the January 2013 RAB meeting minutes. Motion seconded by Paul Fortune.

Website

Army is working with AECOM to develop a website where RAB members can access key documents. This will be discussed further in coming weeks. RAB members will likely receive notification of availability of the website within the next few weeks.

Defense Environmental Restoration Program (DERP) Update – AECOM (Dave Wacker)

Document Status/Environmental Sites

Ms. McDonnell provided descriptions of field activities shown in a display of photos from recent field work at LHAAP-18/24, LHAAP-46 and LHAAP-67.

Ms. Johnson asked about the comparative cost and speed of groundwater pump and treat and potential other technologies that have been developed over recent years. Ms. Zeiler stated that the final remedies for sites currently served by the GWTP may well include other technologies that can clean up the site more quickly and more cost effectively.

CERCLA 5-Year Review Process Video. Mr. Mayer introduced and presented an USEPA video created to help the public understand the 5-year review process at Superfund sites. Ms. Zeiler stated that the Army retains the responsibility for conducting the future 5-year reviews regardless of whether the land is transferred. Mr. Mayer stated that USEPA conducts the 5-year reviews at private, non-Federal sites. Ms. Zeiler stated that the most recent 5-year review report is in the administrative record, and the next review report will be coming out later this year.

Mr. Winters asked if Longhorn cleanup operations will be impacted by sequestration. Ms. Zeiler stated that there is no impact expected on the environmental cleanup due to sequestration. However, it will impact the days that meetings are held since Federal staff will be on mandatory furlough on Fridays through the end of the fiscal year.

Status reviews were presented for sites with significant activities upcoming in the near-term. (See attached AECOM Powerpoint presentation.)

LHAAP-03 Proposed Plan. The Proposed Plan public meeting date is tentatively June 11th, but may be rescheduled for May. This is a very small site, 30' x 20' which will likely be excavated. Thet Proposed Plan document will be coming to the RAB shortly.

Introduction to In-Situ Bioremediation. (See attached "Introduction to ISB" Powerpoint presentation.) ISB is one of the newer ways to remediate contamination. Mr. Winters asked if microbes and substrate could be injected at the same time. Mr. Wacker said they can be injected relatively close in time together, but would not be done during the same injection. The presentation covered topics such as bioaugmentation and contaminant breakdown products, and showed photos of ISB operations at other facilities. ISB will be used at LHAAP-04, LHAAP-47 and LHAAP-58, and may be used at LHAAP-18/24. AECOM will present some case studies showing remediation success with ISB at a future RAB meeting.

Groundwater Treatment Plant (GWTP) Update
The GWTP continues to operate to maintain containment of the plume at LHAAP-18/24. Treated water was has been released to Harrison Bayou for the last few months, since sufficient water flow has been present in the bayou. A handout showing surface water sample results was also provided and reviewed. (See attached Surface Water Sampling Results handout.) Ms. Zeiler stated that this information can be shared with the public by the RAB members to show that contaminants have not been released to Caddo Lake for quite some time. Ms. Palmie noted that Goose Prairie Creek was dry in January, so AECOM went back and sampled in February when water was first observed in that area. Mr. LeTourneau asked if treated water is discharged from the GWTP to Harrison Bayou on a continual basis during the rainy season. Ms. Zeiler responded that there is discharge to Harrison Bayou during the rainy season but that it is done based on flow in the Bayou to ensure discharge limits are not exceeded. Ms. Zeiler also referenced the surface water sampling handout to show that there has been no contaminant exceedance in the Bayou for quite some time.

Decision Document Sites Review
Mr. Williams provided a review of four non-residential use sites (LHAAP-19, LHAAP-56, LHAAP-65 and LHAAP-69) for which Decision Documents are being developed. (See attached AECOM presentation.) All four sites were determined to be suitable for non-residential use. No further action is required for these four sites. The sites will be evaluated every five years to confirm the use remains non-residential. Ms. Palmie clarified that TCEQ will be looking at these sites to ensure protectiveness every five years as part of the 5-year review process. Ms. Zeiler noted that the purpose of the Decision Document is to document for the record the decisions made, and agency concurrence with decisions made, for management of these sites.

Mr. Fortune asked about a historical allegation of mercury disposal at LHAAP-19. The allegation was that mercury switches were disposed of illegally at LHAAP-19. Ms. Zeiler stated that Army and USEPA both investigated the allegations and determined there was no validity and no basis.

Mr. Mauthe asked if Tulsa District USACE is run by Fort Worth District USACE. Ms. Zeiler and Ms. Lanier explained that Fort Worth District did manage the project historically, but Tulsa District has been managing for quite some time due to specialized expertise with CERCLA sites held by the personnel in the Tulsa District.

Upcoming Field Work
Field work for LHAAP-18/24, LHAAP-46 and LHAP-67 should be complete by the end of April. Routine compliance sampling will start in late April or early May, and will take a few weeks to complete. This summer, field work will be conducted at LHAAP-37, LHAAP-50 and LHAAP-58, similar in nature to that currently being done at LHAAP-46 and LHAAP-67.

Other DERP Environmental Restoration Update – Rose Zeiler
LHAAP-37 Bioplug Demonstration Project
Ms. Zeiler advised that a presentation on the initial results for the project is anticipated for the RAB meeting to be held in September/October.

Sitewide Land Use Controls (LUC) Management Plan Update
Ms. Zeiler stated that the update of this plan for the year was recently completed.

Community Involvement Plan (CIP) – The document has been provided to the RAB for review and comment. All comments should be submitted by or before the next RAB meeting.

Military Munitions Response Program (MMRP) – USACE
No update at this time.

Other Environmental Restoration Issues – Rose Zeiler
Dispute Resolution
Dispute resolution continues. Nothing specific to update since last RAB meeting.

Look Ahead at the Schedule
Next RAB meeting is scheduled for July 16th from 4PM – 6PM at the Karnack Community Center.

The LHAAP-03 Proposed Plan public meeting is anticipated for June 11th, but RAB members should watch their email for this to change to an earlier date.

A motion to adjourn was made by Mr. Cargill and seconded by Ms. Zeiler.

Adjourn

April Meeting Attachments and Handouts:
- *Meeting Agenda*
- *Minutes from January meeting*
- *AECOM Powerpoint Presentation*
- *Introduction to ISB Powerpoint Presentation*
- *Surface Water Sampling Results Handout*

- *GWTP Treated Groundwater Volumes Handout*

Acronyms

AECOM	AECOM Technical Services, Inc.
BRAC	Base Realignment and Closure
CERCLA	Comprehensive, Environmental Response, Compensation, and Liability Act
CIP	Community Involvement Plan
CLI	Caddo Lake Institute
DERP	Defense Environment Response Program
GWTP	Groundwater Treatment Plant
ISB	In-Situ Bioremediation
LHAAP	Longhorn Army Ammunition Plant
LUC	Land Use Controls
MMRP	Military Munitions Response Program
RAB	Restoration Advisory Board
TAG	Technical Assistance Grant
TCEQ	Texas Commission on Environmental Quality
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service

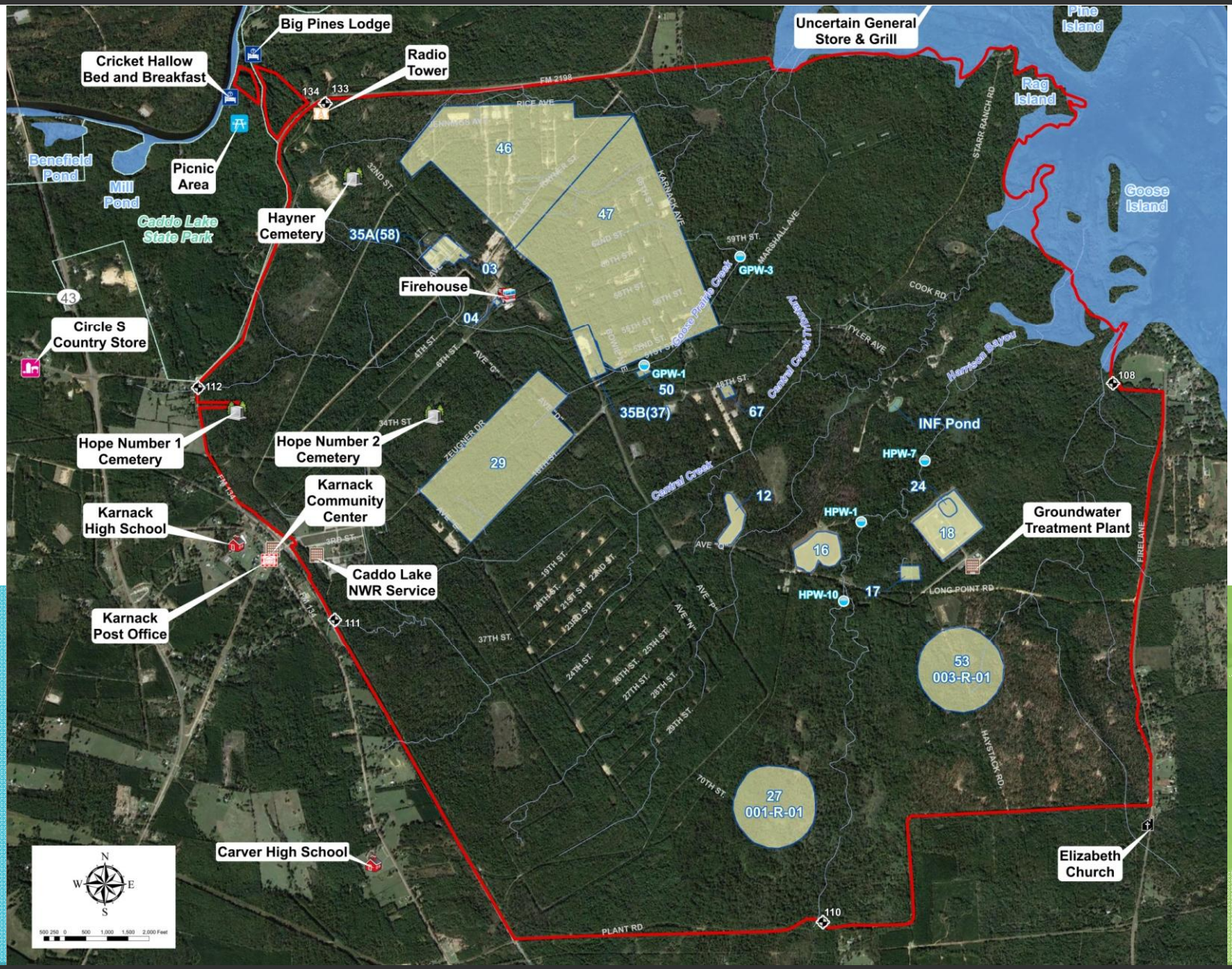
Longhorn Army Ammunition Plant Restoration Advisory Board Meeting July 16, 2013

AECOM Environment

Agenda

1. RAB Administrative Issues
2. SharePoint Website
3. Field Activities Update of Environmental Sites (46, 67, 18/24, 37, 50, 58)
4. Groundwater Treatment Plant (GWTP)
5. Surface Water Sample Results
6. Status of Demonstration at Site 37
7. EPA Quality Assurance Sampling
8. Community Relations Plan/Community Involvement Plan (CRP/CIP) Status
9. Dispute Status and Projected Schedule

Longhorn Map



AECOM Longhorn NPL Sites

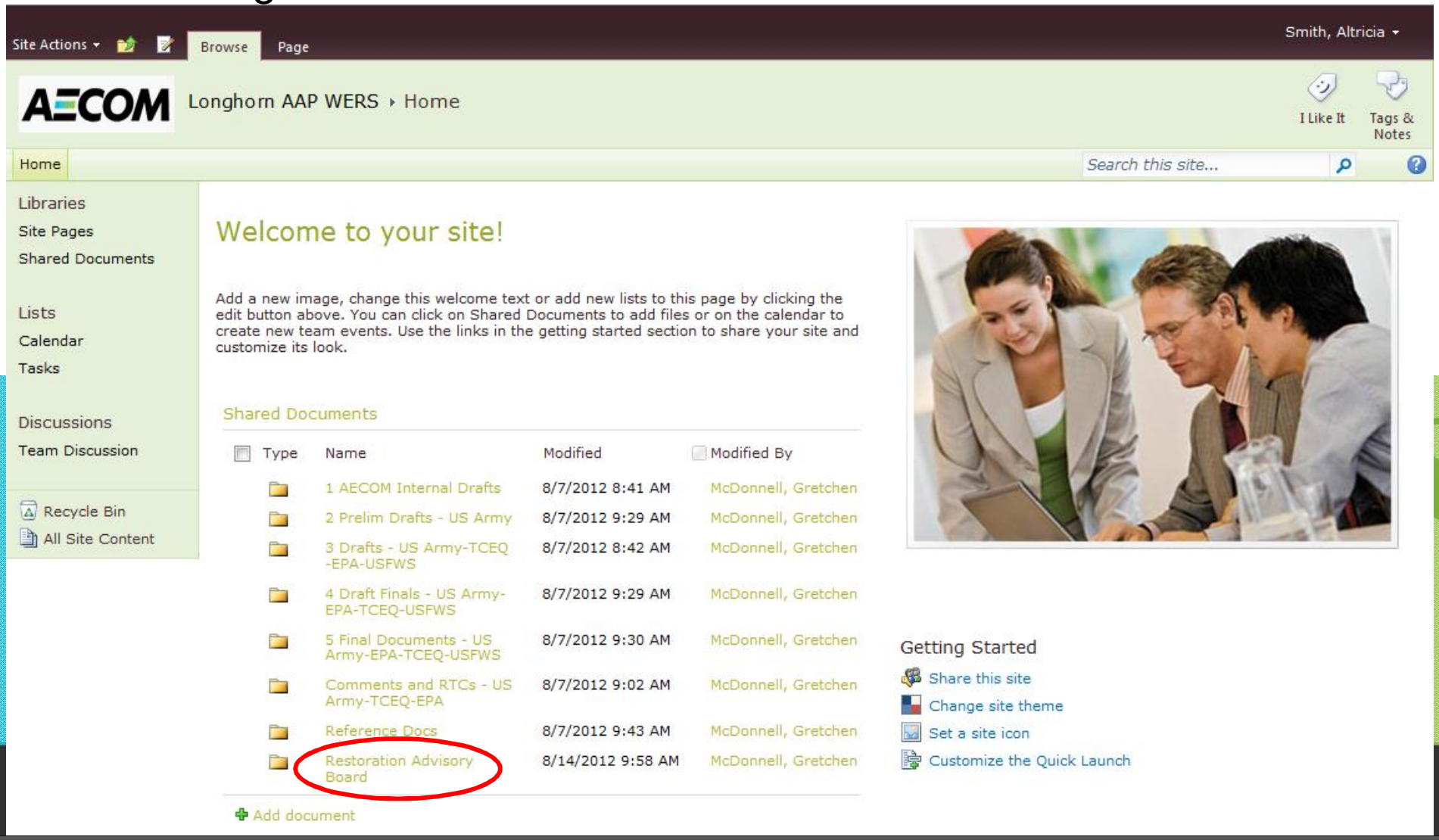
LHAAP-03	Building 722 Paint Shop
LHAAP-04	Pilot Wastewater Treatment Plant
LHAAP-12	Landfill 12
LHAAP-16	Landfill 16
LHAAP-17	Burning Ground No.2/Flashing Area
LHAAP-18	Burning Ground No.3
LHAAP-24	Unlined Evaporation Pond
LHAAP-29	Former TNT Production Area
LHAAP-37	Chemical Laboratory Waste Pad
LHAAP-46	Plant Area 2
LHAAP-47	Plant Area 3
LHAAP-50	Former Sump Water Tank
LHAAP-58	Maintenance Complex
LHAAP-67	Aboveground Storage Tank Farm
LHAAP-001-R-01	South Test Area/Bomb Test Area
LHAAP-003-R-01	Ground Signal Test Area

RAB Administrative Issues

4.3 Nomination and Selection of RAB members. Candidates for new RAB members may be presented at any time by current RAB community members. Individuals interested in participating in the RAB must submit a completed RAB Application Form to the Co-chairs in order to be eligble for selection. The community RAB members may, by a two-thirds majority vote, nominate replacement and new RAB members. All RAB members must be approved by the Army's responsible official to ensure diversity and balance in regard to gender, age, race /ethnicity, type of employment, neighborhood, expertise, income, and education levels.

SharePoint Website

- **https://extranet.aecom.com/sites/longhornaapwers**
- The Home Page



SharePoint Website

Site Actions | Browse | Page | Smith, Altricia

AECOM Longhorn AAP WERS ▸ Home

I Like It | Tags & Notes

Home | Search this site...

Libraries
Site Pages
Shared Documents

Lists
Calendar
Tasks

Discussions
Team Discussion

Recycle Bin
All Site Content

Welcome to your site!

Add a new image, change this welcome text or add new lists to this page by clicking the edit button above. You can click on Shared Documents to add files or on the calendar to create new team events. Use the links in the getting started section to share your site and customize its look.

Shared Documents

Type	Name	Modified	Modified By
	LHAAP-18_24 ROD Reference Documents	7/8/2013 10:34 AM	McDonnell, Gretchen

Add document

Getting Started
Share this site
Change site theme
Set a site icon
Customize the Quick Launch

SharePoint Website

- Documents that can be found in the “LHAAP-18_24 ROD Reference Documents” folder:
  - Draft Final Feasibility Study, LHAAP-18/24, Burning Ground No. 3 and Unlined Evaporation Pond, Longhorn Army Ammunition Plant, Karnack, Texas
  - DOW Environmental, Inc. (DEI) (Formerly AWD Technologies, INC.) Pilot Study Report - Phase II March 1995
  - Environmental Site Assessment (Plexus, 2005)
  - Closure of Unlined Evaporation Pond, Kindle, Stone & Associates, July 15, 1984
  - Jacobs, Phase III, 1998
  - Jacobs, Phase II, 1995
  - Jacobs, Phase I, 1993

SharePoint Website – How to Use

- Your User Name
  - Domain\UserID
    - Example: John Doe would be “ACM\DoeJ”

SharePoint Website - Troubleshooting

- You are presented with the same screen
  - This means your login was unsuccessful

- 401 – Unauthorized
  - After three unsuccessful attempts, you will be presented with this error.
  - You will be unable to access the SharePoint for a few hours.
  - After a few hours have passed, you may attempt to log on again.

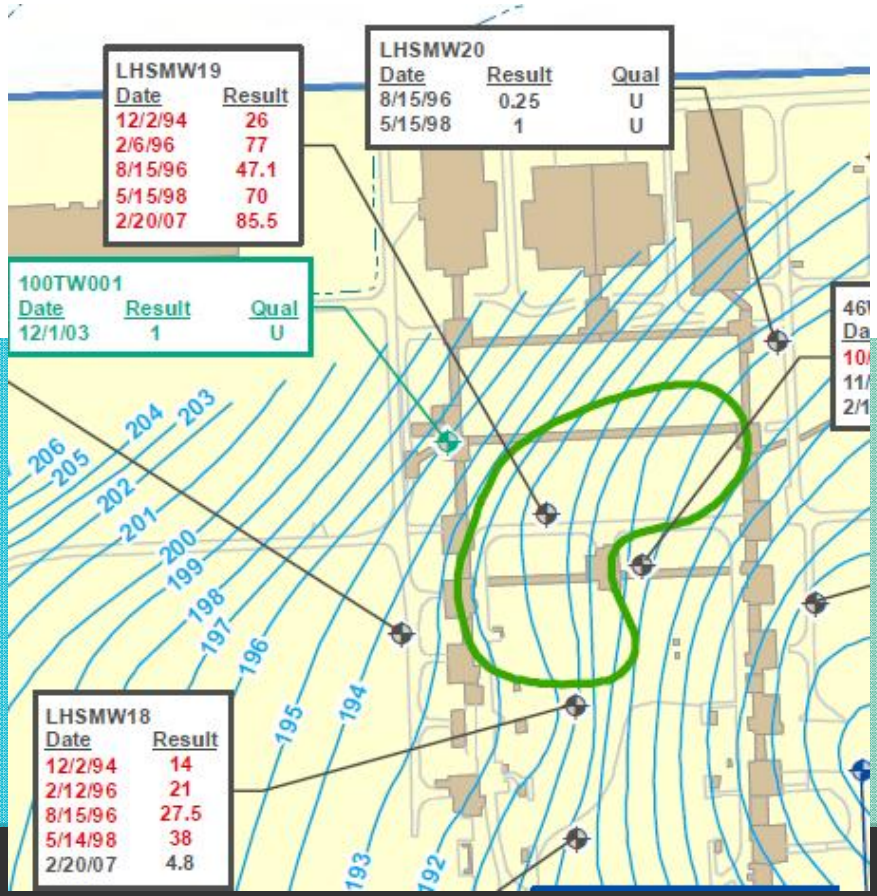
SharePoint Website – How to Use

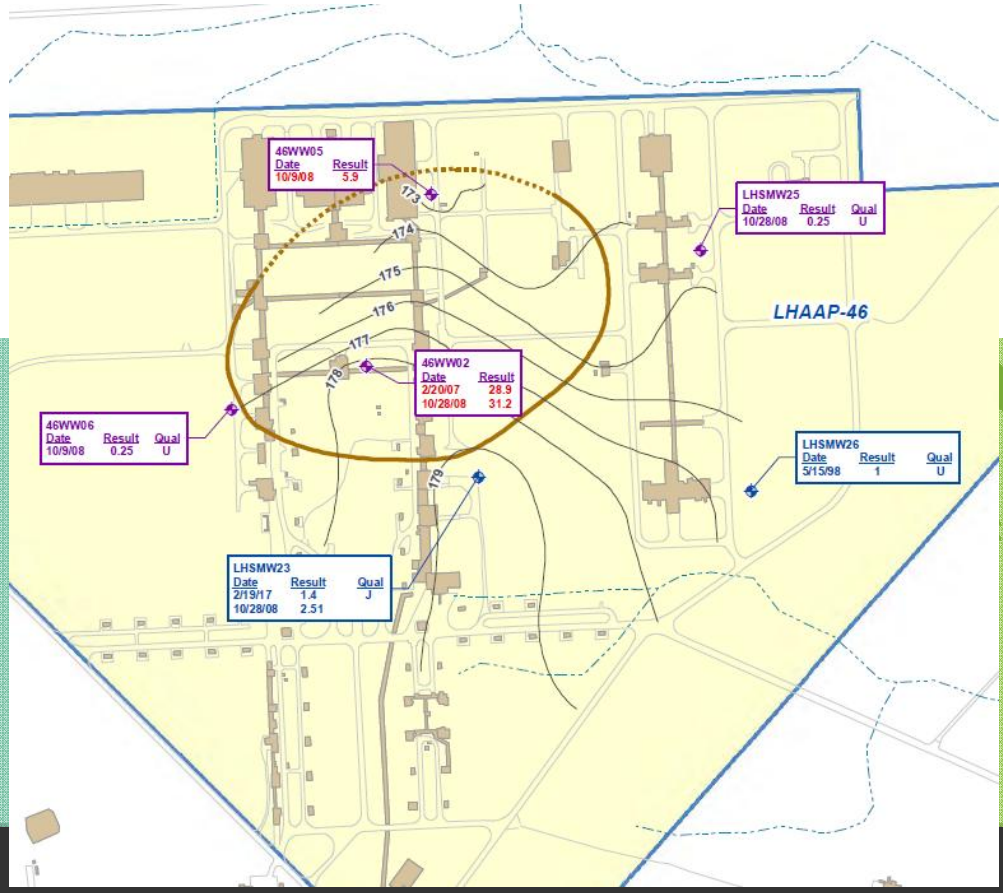
- Your Password
  - Your password will be provided to you.
    - If you copy/paste your password, please be sure not to copy the space. It will count as a character and you will be denied access.
  - Passwords Valid for 6 months
    - First password will expire at end of September
    - New password will be issued at that time
  - Contact Gretchen McDonnell if you need your username or password

Status of Environmental Sites

– LHAAP-46 Plant Area 2 –

- Remedial Action Work Plan Completed
- Installed Wells, Began Quarterly Sampling for Monitored Natural Attenuation Evaluation over the next two years. ~shallow plume on left, intermediate depth plume on right below:



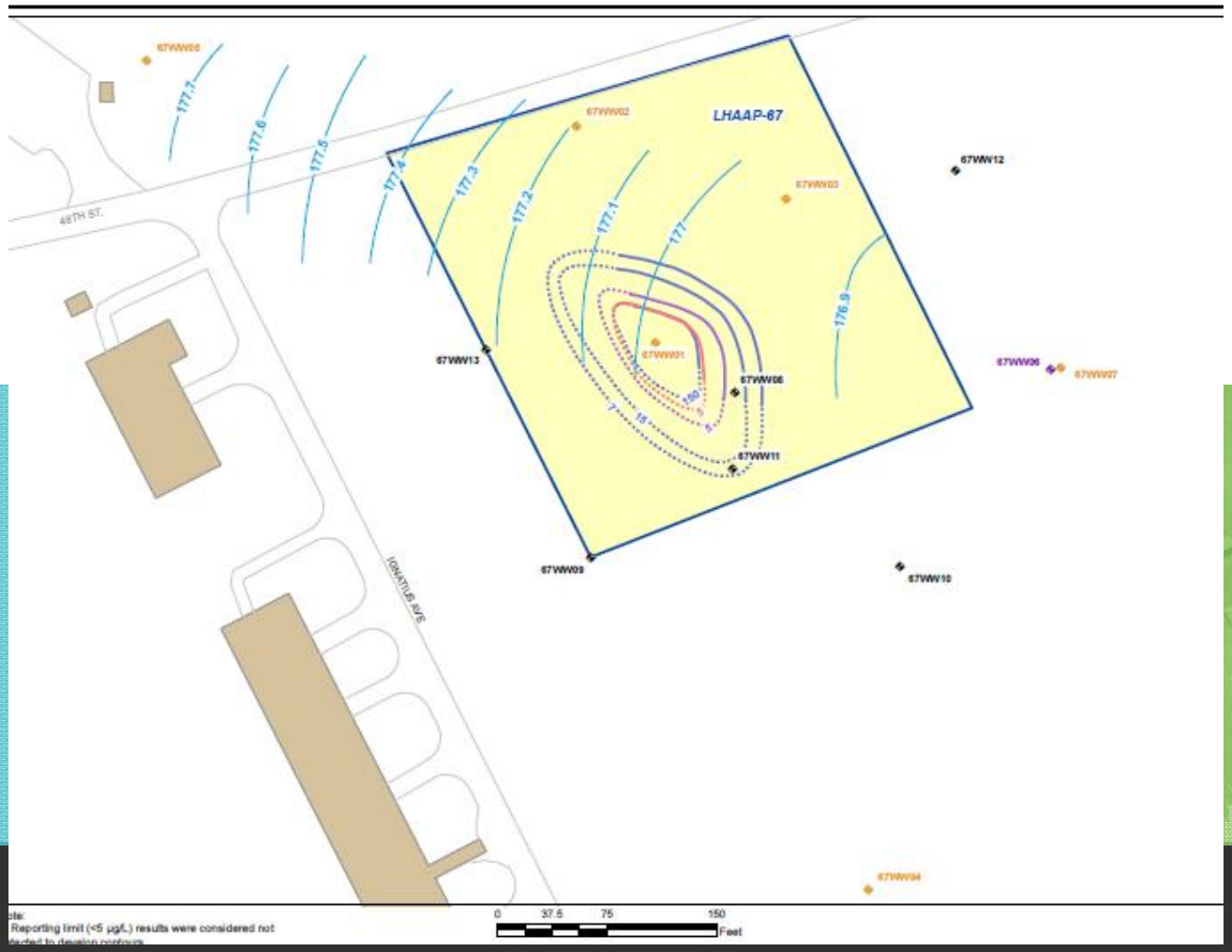


AECOM

Status of Environmental Sites (cont)

– LHAAP-67 Aboveground Storage Tank Farm –

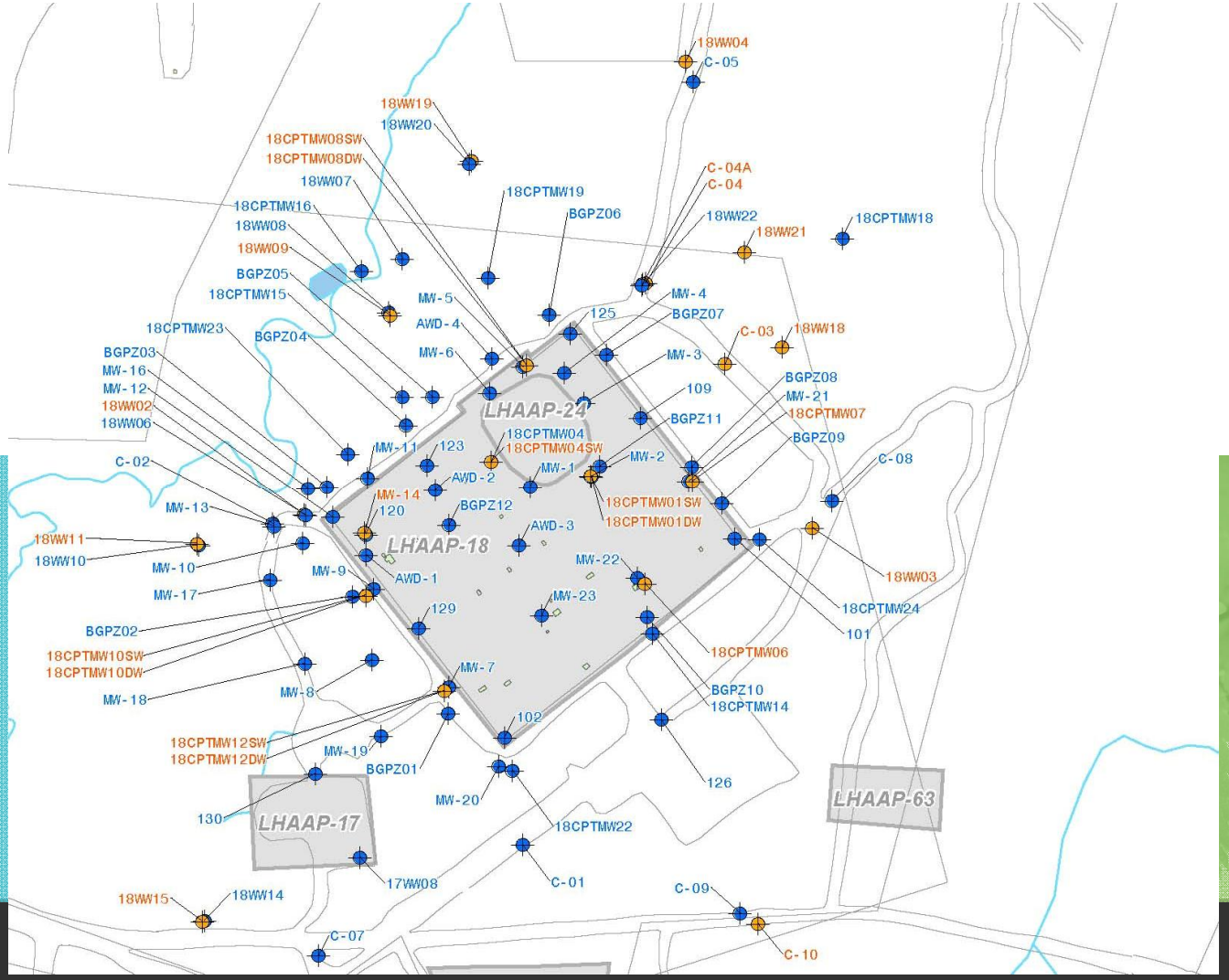
- Well installation complete, Quarterly Sampling initiated and Monitored Natural Attenuation Evaluation to be completed over the next two years. Plumes shown below:



Status of Environmental Sites (cont)

– LHAAP-18/24 Burning Grounds #3 and Unlined Evaporation Pond –

- Completed CPT, DPT, and installed Wells, collected soil and groundwater samples



AECOM

Status of Environmental Sites (cont)

- LHAAP-35B (37) – Chemical Laboratory
  - Remedial Action Work Plan Complete
  - Bio-Plug Study on-going
  - Plan to Install Wells, Complete Sampling following completion of bio-plug study

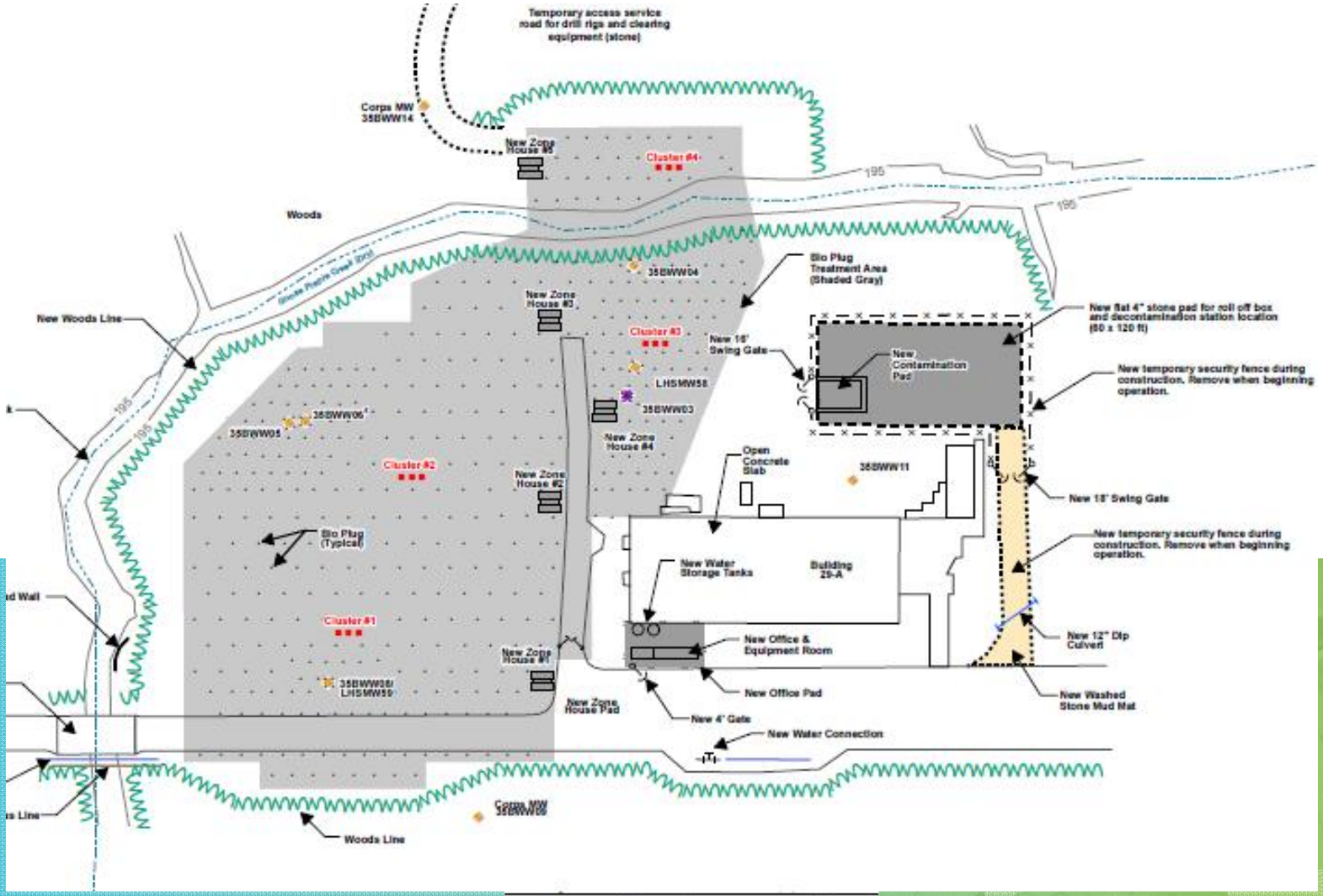
Table 1-1 below presents the cleanup levels for the LHAAP-35B (37) site.

Table 1-1: Cleanup Levels

Chemical of Concern (COC)	Concentration (µg/L)	Basis
Trichloroethylene	5	MCL
Tetrachloroethylene	5	MCL
1,1-Dichloroethylene	7	MCL

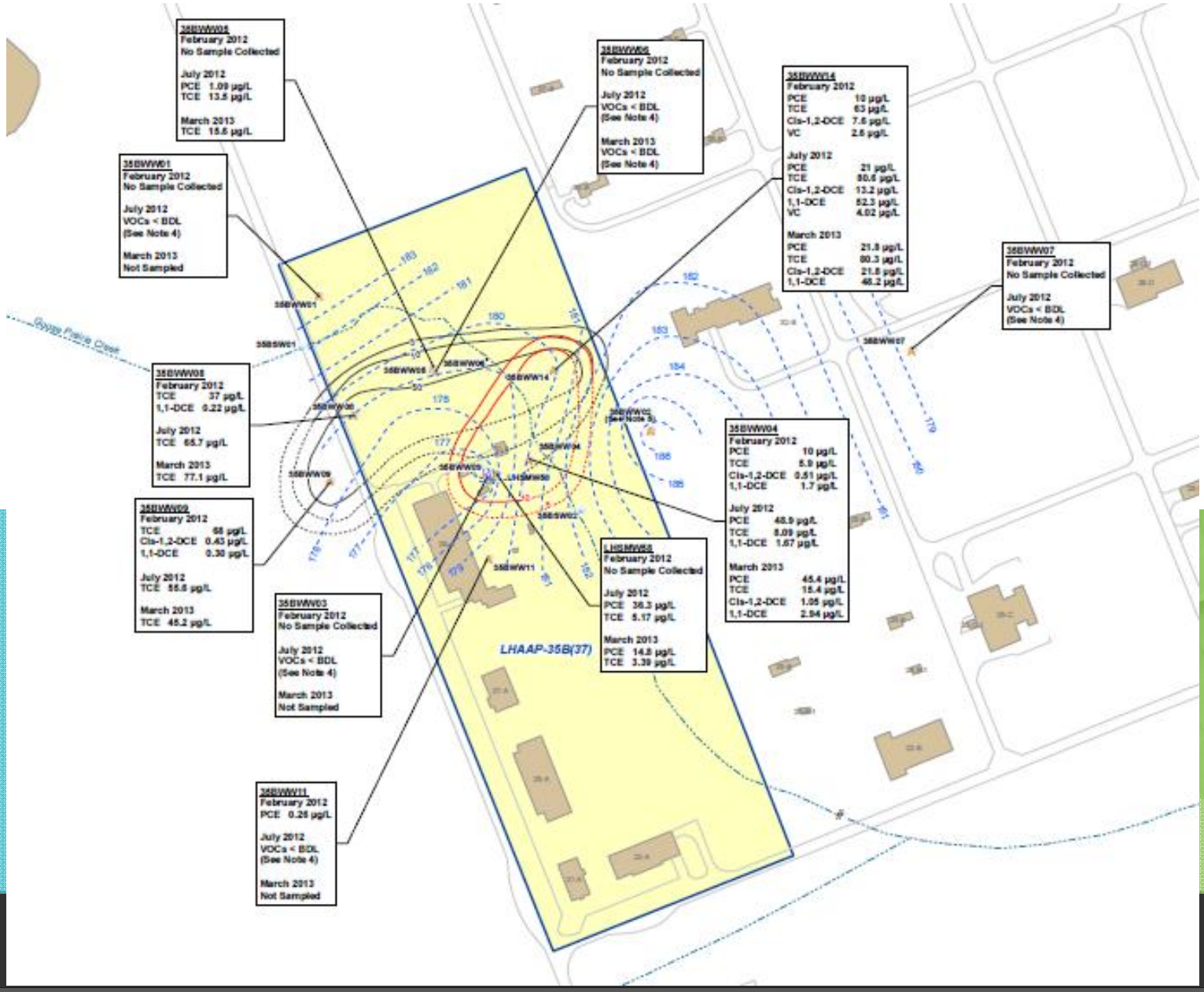
Notes and Abbreviations:
µg/L – micrograms per liter
MCL – maximum contaminant level

Status of Environmental Sites (cont)



AECOM

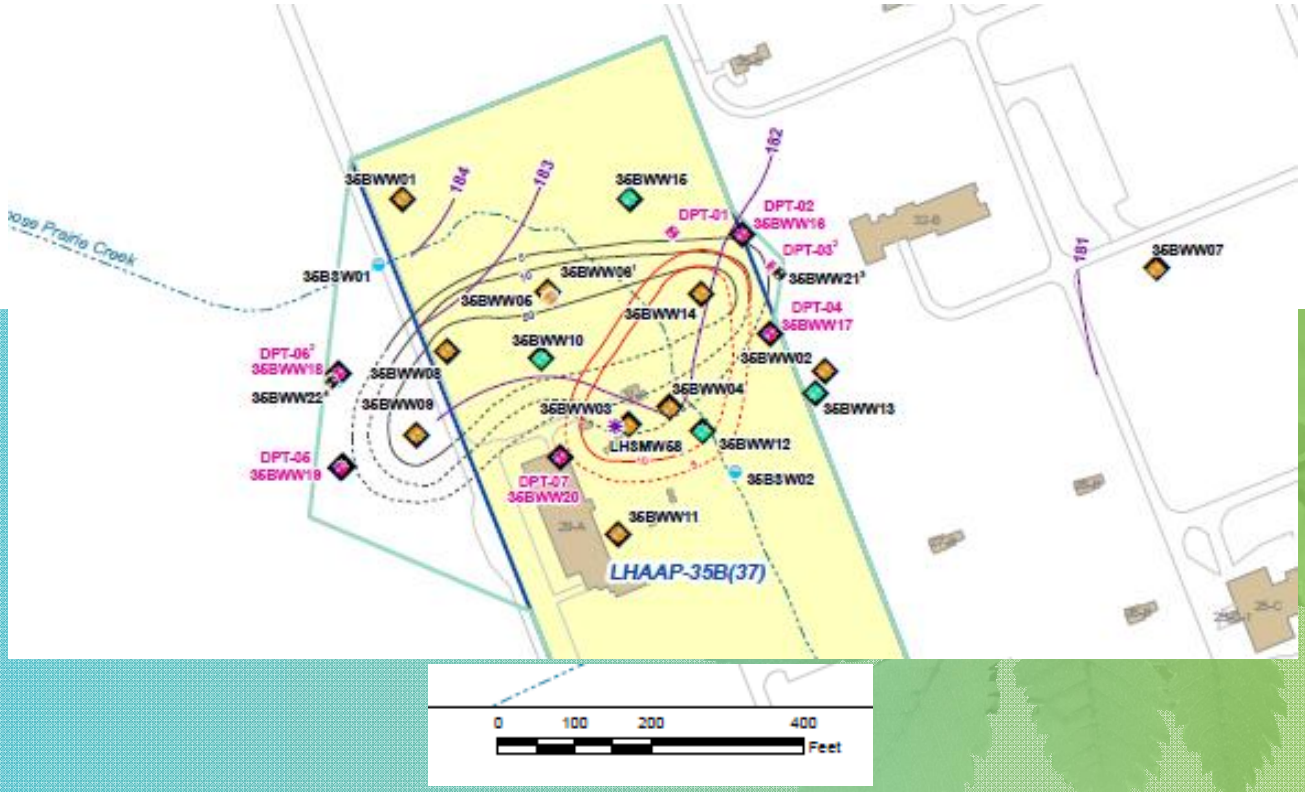
Status of Environmental Sites (cont)



Status of Environmental Sites (cont)

– LHAAP-35B (37) –

- Remedial Action Work Plan Complete
- Plan to Install Wells, Complete Quarterly Sampling and perform Monitored Natural Attenuation Evaluation over the next two years. Shallow and intermediate plumes below:



AECOM

Status of Environmental Sites (cont)

– LHAAP-50 – Former Sump Water Tank
  - Industrial waste production sump water received from throughout the plant at this site which also had a 47,000 gallon AST

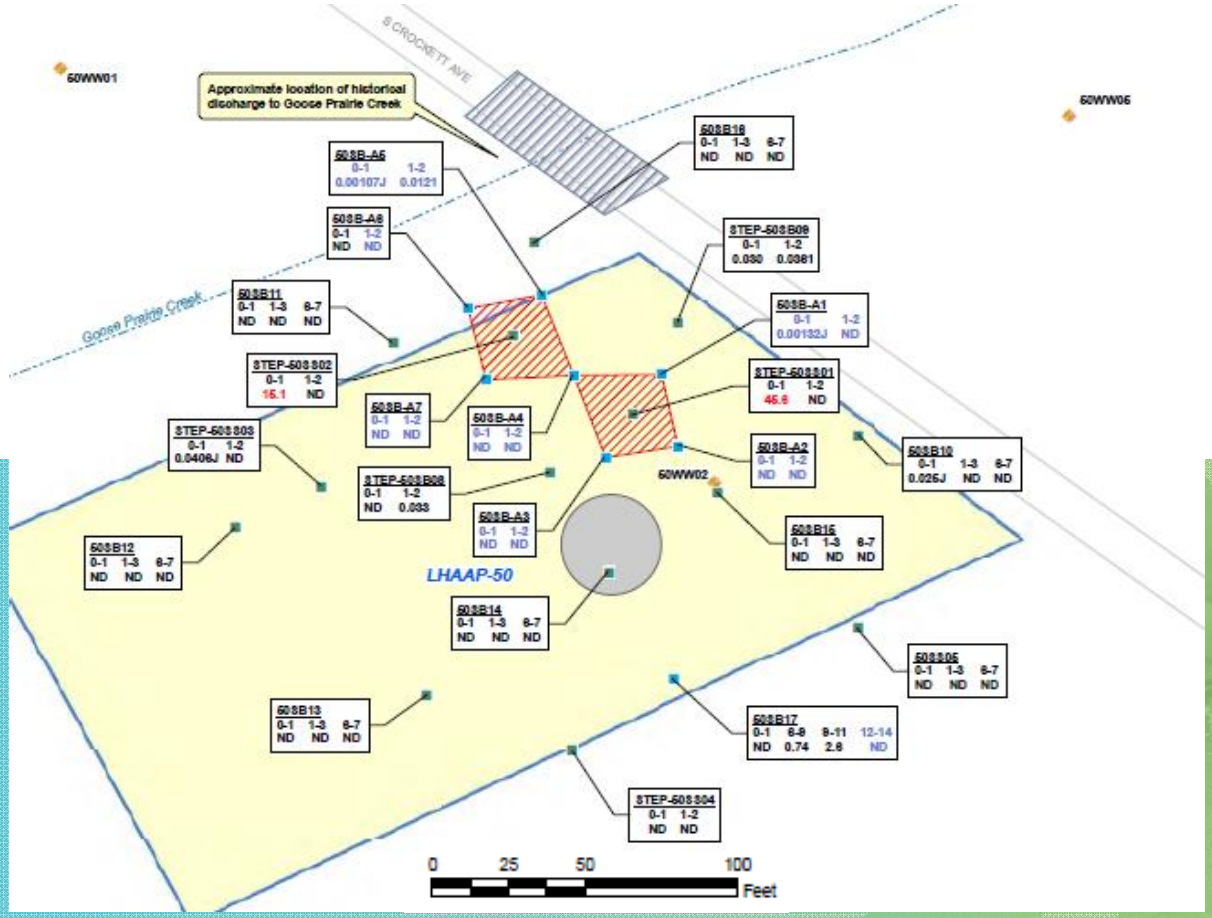
Table 1-1: Cleanup Levels

Chemical of Concern (COC)	Concentration	Basis
Soil (µg/kg)		
Perchlorate	7,200	GWP-Ind
Groundwater (µg/L)		
Tetrachloroethylene	5	MCL
Trichloroethylene	5	MCL
1,1-Dichloroethylene	7	MCL
1,2-Dichloroethane	5	MCL
Cis-1,2-dichloroethylene	70	MCL
Vinyl chloride	2	MCL
Perchlorate	72	GW-Ind
Surface Water (µg/L)		
Perchlorate	26	GW-Res

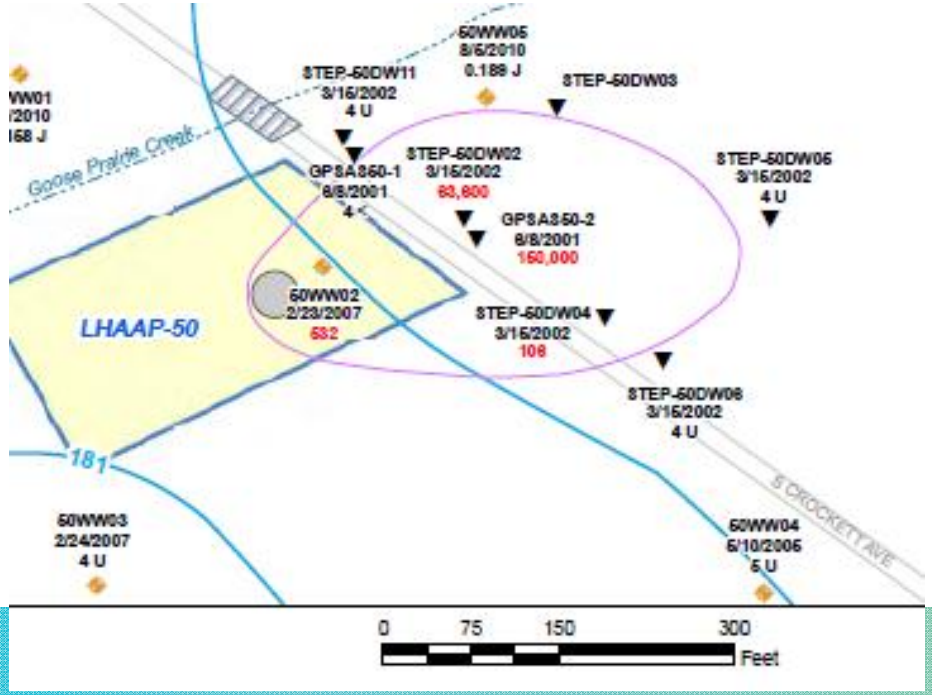
Notes and Abbreviations:
µg/kg – micrograms per kilogram
µg/L – micrograms per liter
GW-Ind – Groundwater MSC for industrial use for perchlorate
GW-Res – Groundwater MSC for residential use for perchlorate
GWP-Ind – Soil MSC for industrial use based on groundwater protection
MCL – maximum contaminant level

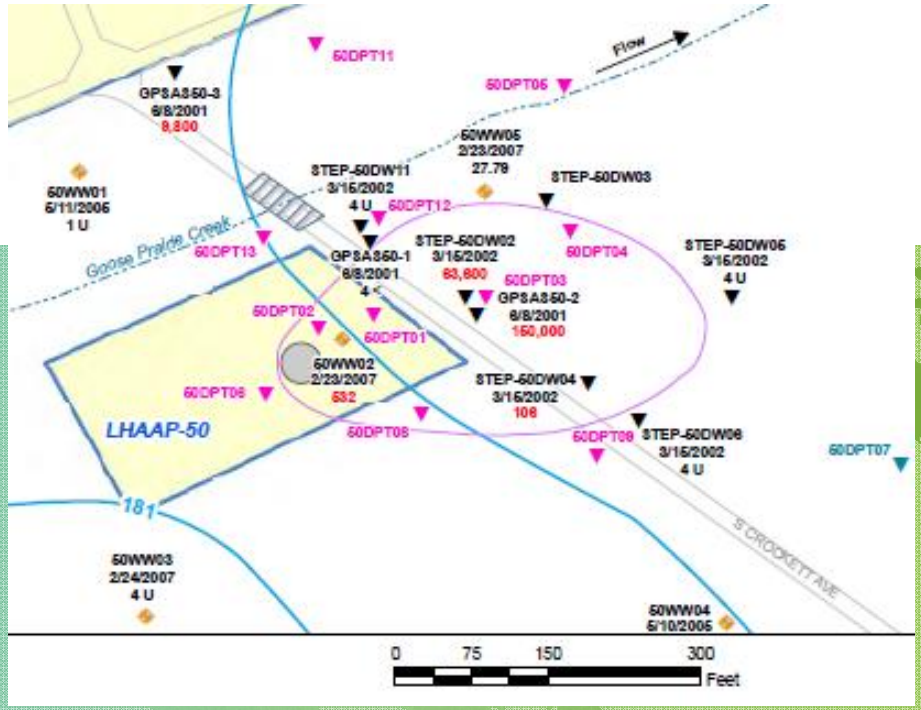
Status of Environmental Sites (cont)

– LHAAP-50 – Former Sump Water Tank
  - Area of soil contamination



Status of Environmental Sites (cont)





Status of Environmental Sites (cont)

– LHAAP-58 Shops Area –

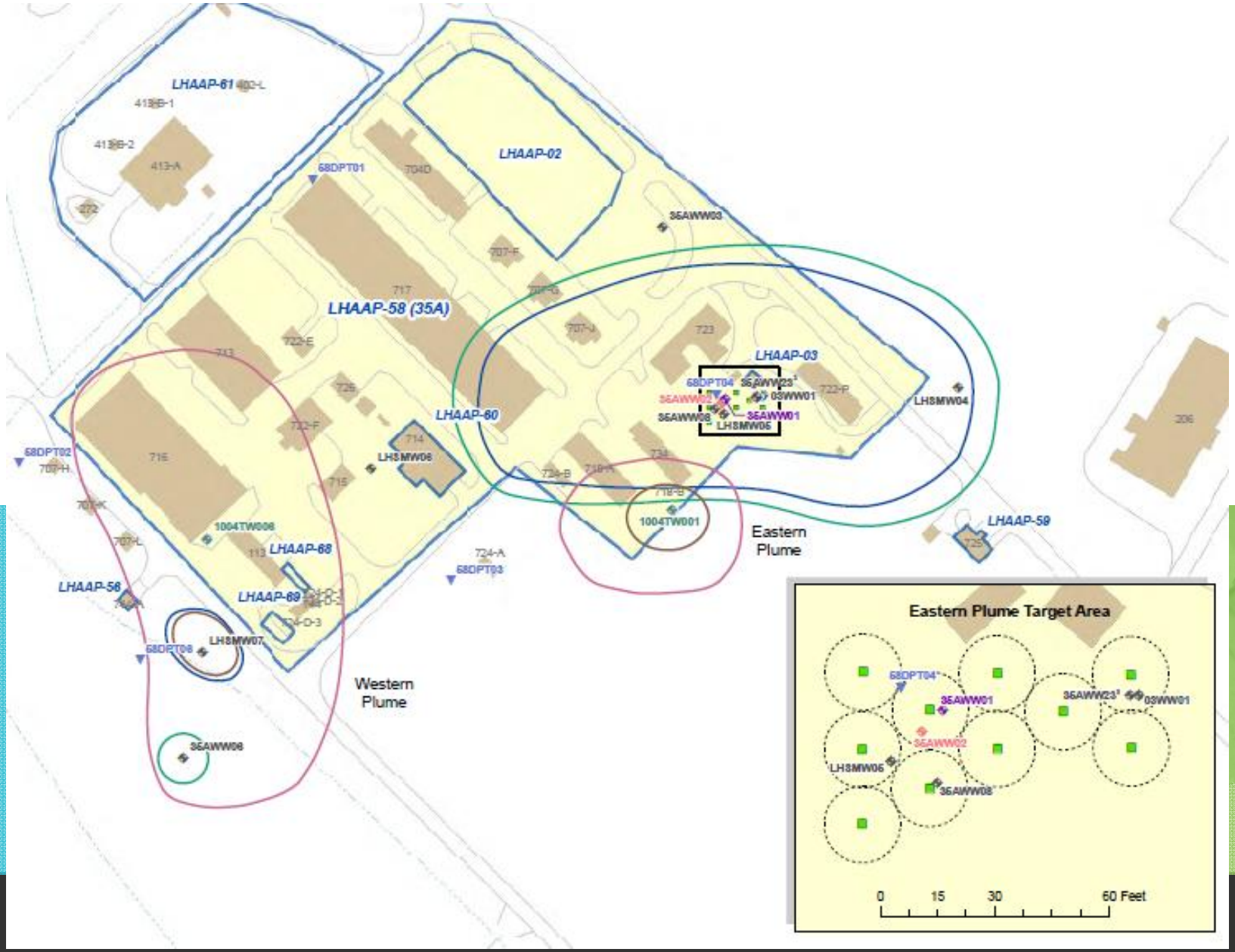
- Plant operated laundry, automotive, woodworking, metal working, painting, refrigeration, and electrical services operated in this area

Table 1-1: Cleanup Levels

Chemical of Concern (COC)	Concentration	Basis
Groundwater (µg/L)		
Tetrachloroethene	5	MCL
Trichloroethylene	5	MCL
1,1-Dichloroethene	7	MCL
Cis-1,2-dichloroethene	70	MCL
Trans-1,2-dichloroethene	100	MCL
Vinyl chloride	2	MCL
1,1,2-trichloroethane[(a)]	5	MCL
1,1-dichloroethane[(a)]	10,000	GW-Ind
Chloroethane[(a)]	41,000	GW-Ind
Arsenic[(b)]	10	MCL

Notes and Abbreviations:
[(a)] Not currently classified as a constituent of concern, but will be included in the list of chemicals for Long-Term Monitoring (see ROD section 2.12.2)
(b) Arsenic is not a COC at the site as stated in the ROD. The paragraph below this table discusses monitoring for arsenic, and Table 4-4 identifies wells planned to be monitored for arsenic. The arsenic MCL of 10 µg/L will be used to compare arsenic data in site groundwater during arsenic monitoring.
µg/L – micrograms per liter
GW-Ind – Texas Commission on Environmental Quality groundwater medium-specific concentration for industrial use, since no MCL exists
MCL – maximum contaminant level

Status of Environmental Sites (cont)



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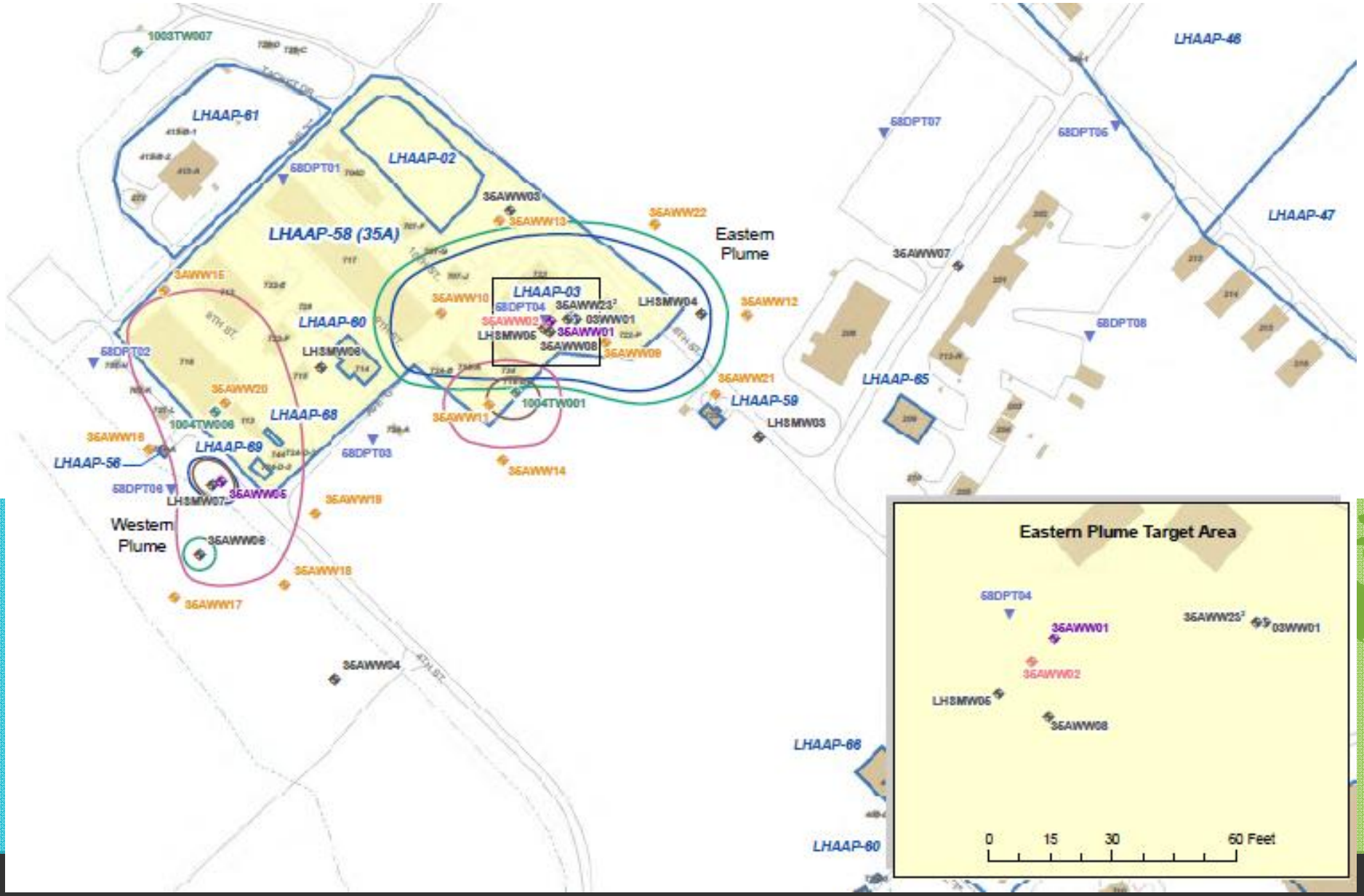
Status of Environmental Sites (cont)



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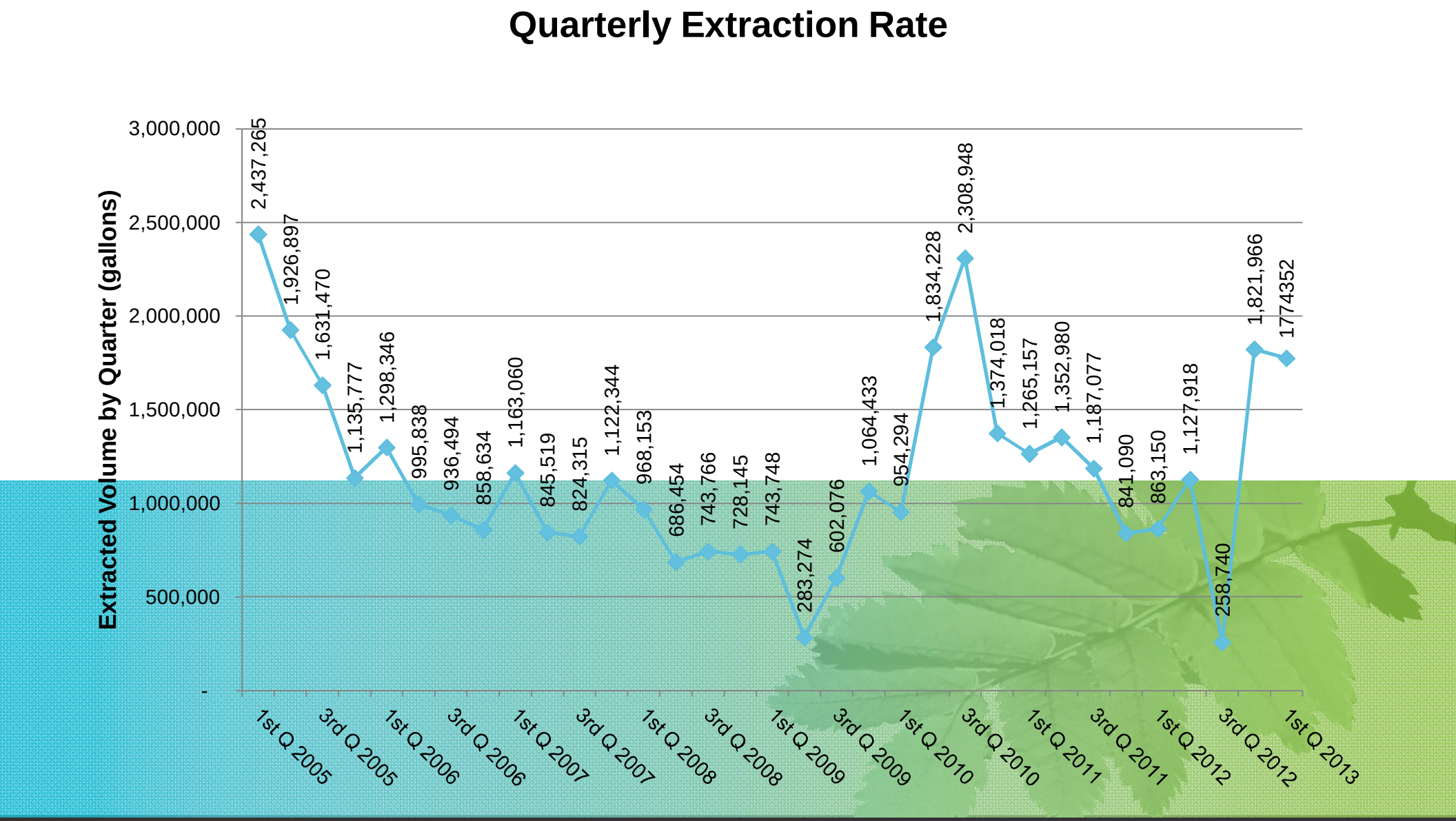
Status of Environmental Sites (cont)

- LHAAP-37, LHAAP-50, LHAAP-58
  - RAWPs approved, fieldwork mobilized July 9
  - Completing DPT, well installation and groundwater sampling for MNA for groundwater
  - Completing soil excavation at LHAAP-50 (~150 cubic yards)
- CERCLA 5 Year Review Process for Multiple Sites
  - TCEQ and EPA review later this month
- LHAAP-03
  - ROD in progress, EPA and TCEQ reviewing, planned excavation in late fall
- LHAAP-12/LHAAP-16
  - Completing O&M mowing, sign maintenance, etc…
  - Repaired Areas Requiring Additional Soil
  - Maintenance of Wells (painting, fixing locks and hinges)

Groundwater Treatment Plant Operations and Management

- The Groundwater Treatment Plant continues to operate to contain the plume at LHAAP-18/24 and LHAAP-16
- Water continues to be returned to LHAAP-18/24 or into Harrison Bayou depending on the amount of water in the bayou
- Compliance monitoring continues per existing sampling plan
- Maintenance and repairs of wells, pumps, tanks, and ancillary equipment is on-going

GWTP O&M (cont)



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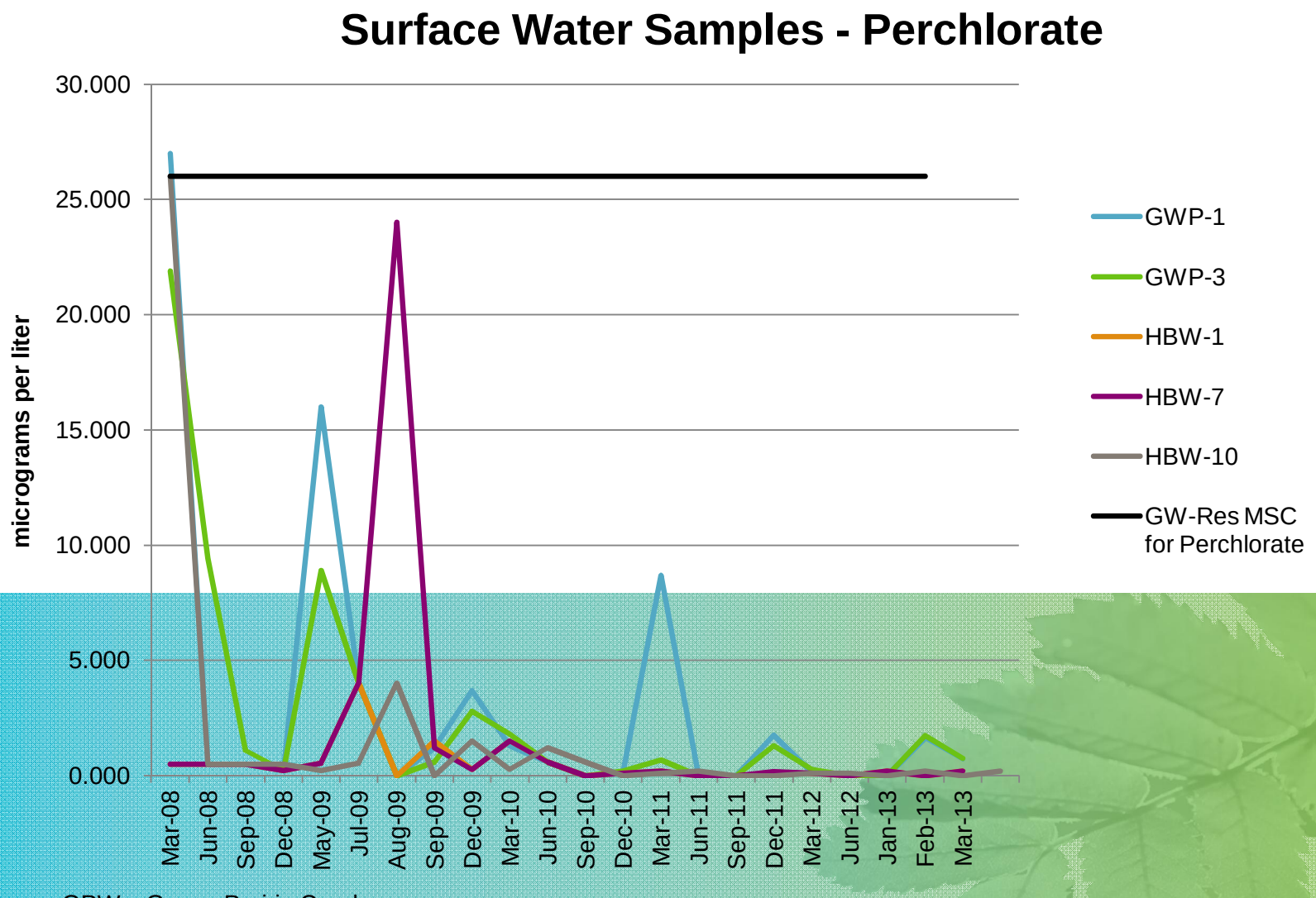
Surface Water Sample Results



GPW – Goose Prairie Creek
HBW – Harrison Bayou

Continued Discussion of In-Situ Bioremediation

- Treatability Study (TS) at LHAAP-58
  - Groundwater was collected from monitoring well 35AWW08 and a soil sample was collected near the well using direct push technology.
  - One lactate based carbon source (e.g. sodium lactate) and one vegetable oil based carbon source (e.g. emulsified vegetable oil (EVO)) were evaluated during the TS.
  - The following environments were constructed in the laboratory:
    - Anaerobic sterile control
    - Anaerobic active control
    - Treatment microcosm with lactate-based carbon source
    - Treatment microcosm with EVO-based carbon source.
  - Seven post-baseline events were performed to document the progress of the TS. These included:
    - Microcosm Sampling
    - Chemicals of concern
    - pH
    - Chlorinated volatile organic compound and dissolved hydrocarbon gasses
    - Anion parameters
    - Volatile fatty acids
    - Total organic carbon

Continued Discussion of In-Situ Bioremediation Cont.

- Treatability Study (TS) at Site 58
  - The results of the TS indicated that both treatment microcosms achieved completed dechlorination (reduction of PCE/TCE to ethene). The chlorinated VOCs in the control microcosms remained stable as expected. Similarly, reductions in sulfate concentrations were observed in both treatment microcosms.
  - The lactate-based amendment is a relatively fast substrate compared to the EVO-type substrates as evidenced by the TS data and is proposed for use as a carbon source during remedial action for LHAAP-58 groundwater, as needed.

Upcoming Fieldwork, Meetings, and Documents

1. Surveying of wells and DPT locations and IDW mgmt at LHAAP-18/24, 46, and 67.

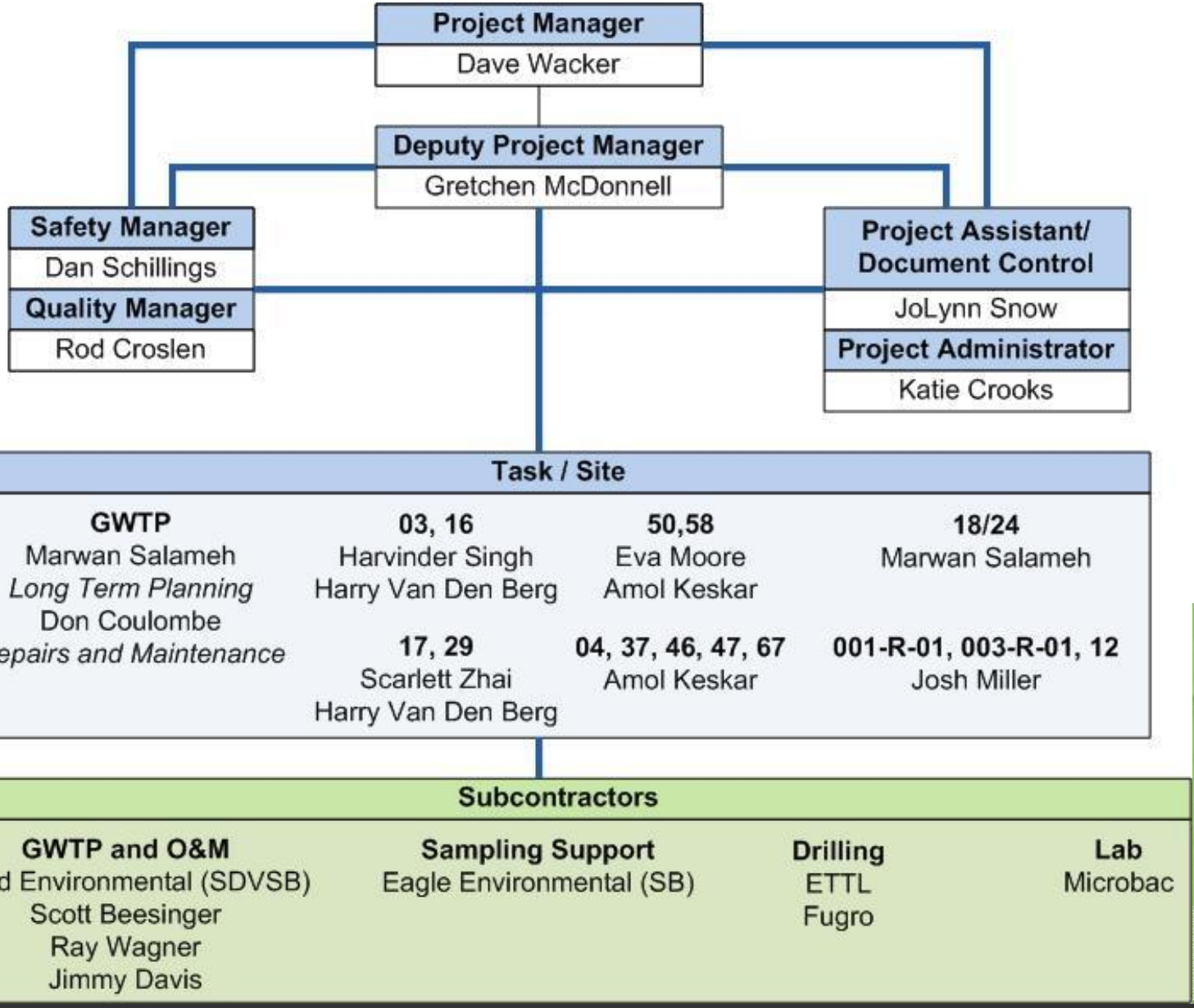
2. Well installation and Direct Push Technology at LHAAP-37, 50, 58.

3. Excavation at LHAAP-50

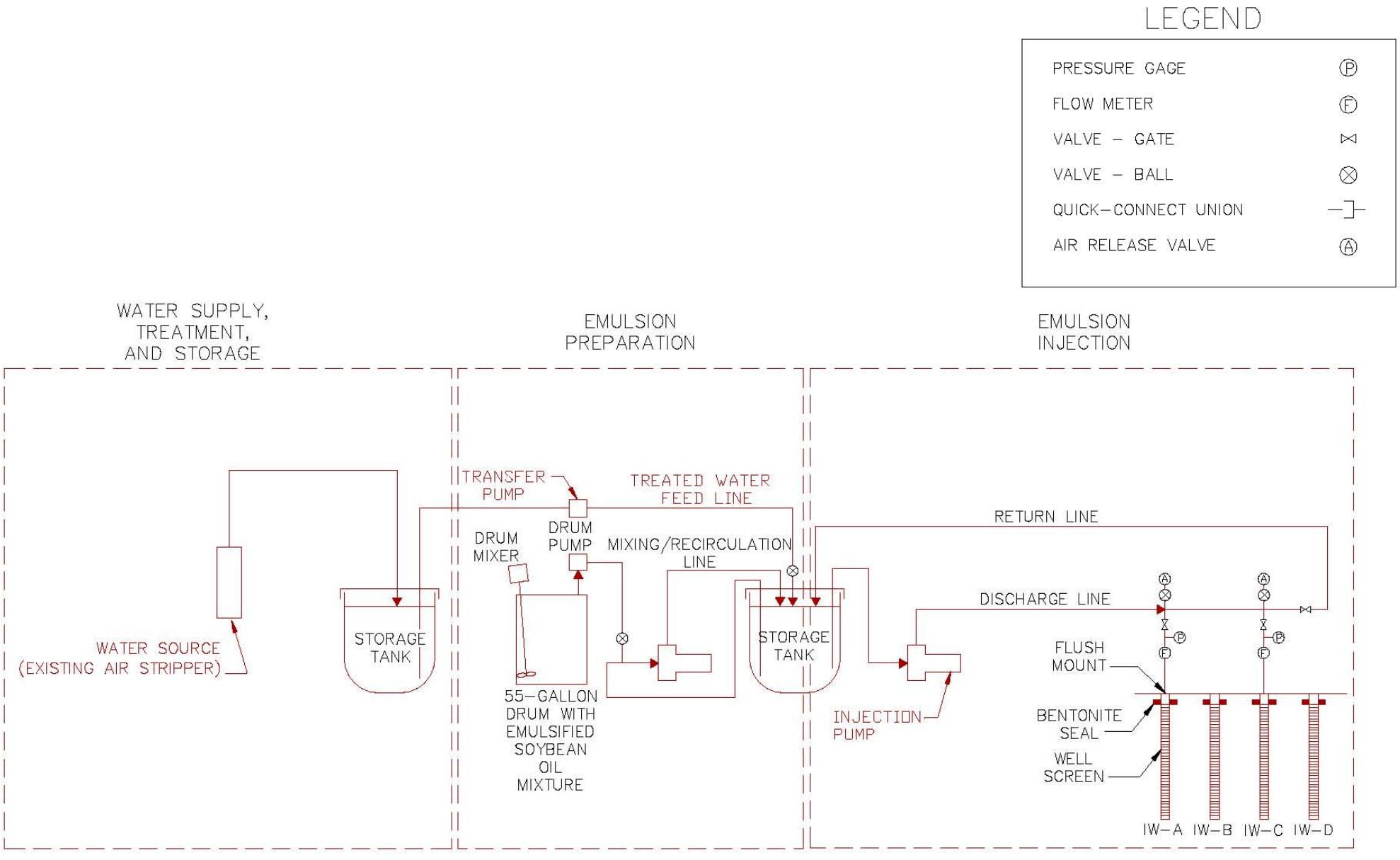
4. EISB at LHAAP-58

Back-up Slides

AECOM Longhorn Project Organization Chart



In-situ Bioremediation



Groundwater Treatment Plant - Treated Groundwater Volumes

The amount of groundwater treated is determined by measuring the number of gallons of treated water returned to LHAAP-18/24, released to the INF Pond, or discharged to Harrison Bayou. The Army is currently completing a study to confirm flow numbers and material balance for the Groundwater Treatment Plant. This sheet will be updated with any new findings.

Treated Water Data

(in gallons)

Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
1,041,491	848,356	804,822	792,148	665,883	818,872	791,306	568,812	776,904	748,377	690,052	617,199

Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
655,059	619,274	726,118	552,299	598,144	433,800	488,807	526,958	387,644	0	414,853	735,716

Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
808,322	636,306	727,492	391,898	695,343	802,656	894,731	962,121	1,257,977	1,314,924	1,041,495	1,136,547

Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
956,567	705,805	849,712	811,679	668,281	1,090,348	817,325	900,338	916,552	784,369	652,524	733,456

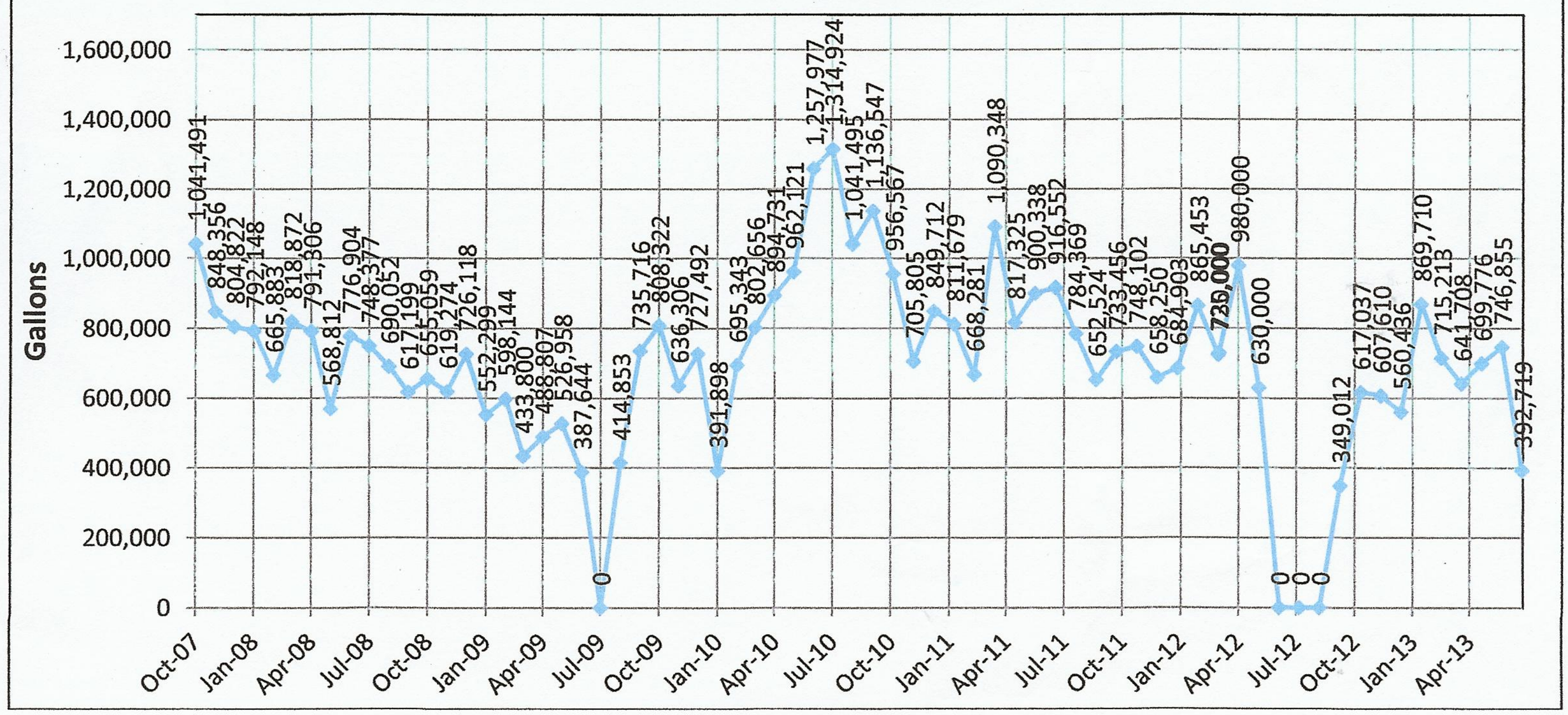
Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
748,102	658,250	684,903	865,453	725,000*	730,000*	980,000*	630,000*	0	0	0	349,012

Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
617,037	607,610	560,436	869,710	751,213	641,708	699,776	746,885	392,719

* Indicates estimate

Figure ES-3

Water Treated Monthly from October 2007 through March 2013



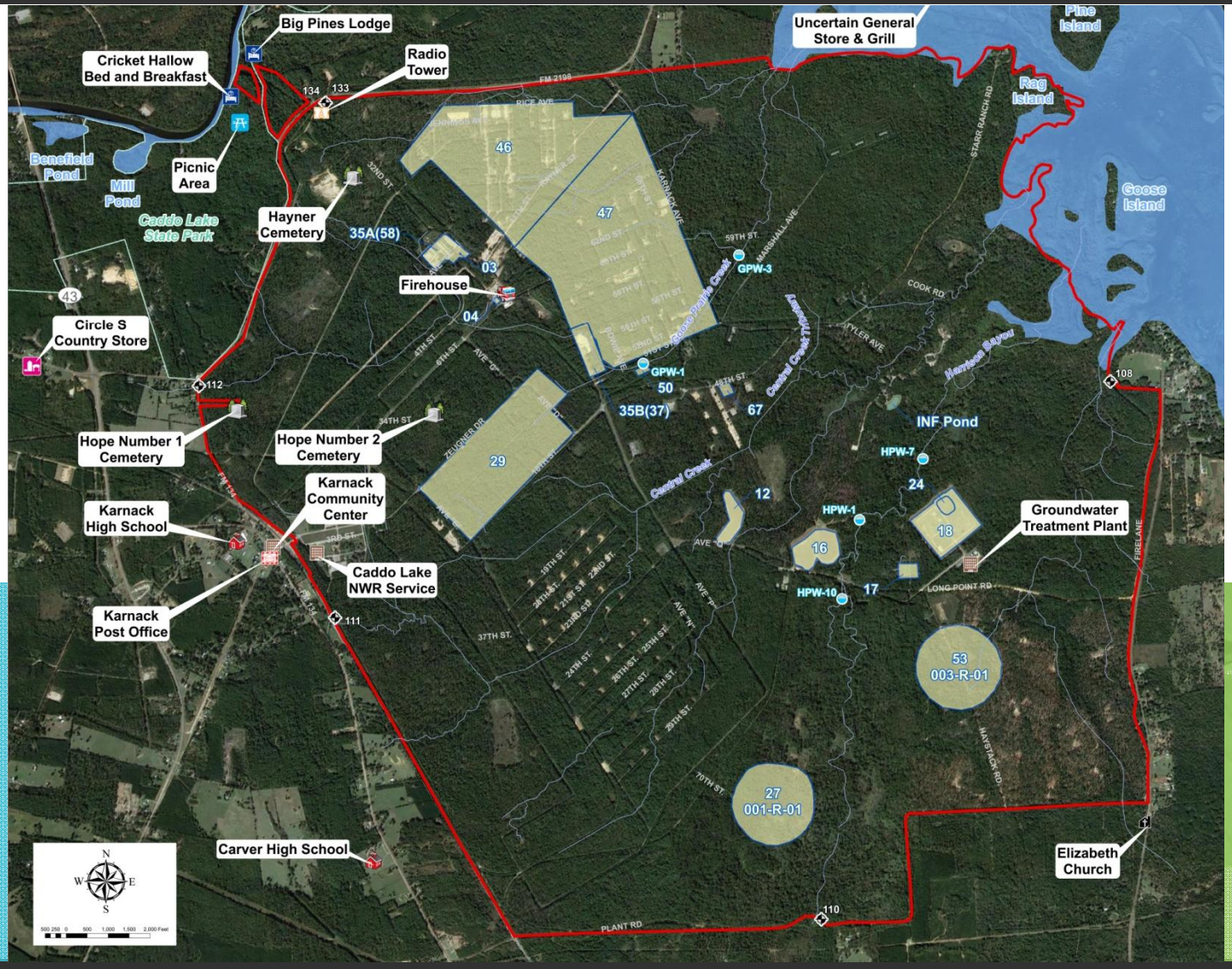
Longhorn Army Ammunition Plant Restoration Advisory Board Meeting November 14, 2013

AECOM Environment

Agenda

1. Longhorn Map and Site Overview
2. Status of Environmental Sites LHAAP-46, 67, 18/24, 35B(37), 50, 58, 03, 12, 16
3. Perimeter Wells
4. CERCLA Five Year Review
5. Groundwater Treatment Plant (GWTP) Update
6. Community Relations Plan/Community Involvement Plan (CRP/CIP) Status
7. Dispute Status
8. Status of Demonstration at Site 37
9. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Flow Process
10. In-Situ Bioremediation Discussion

Longhorn Map



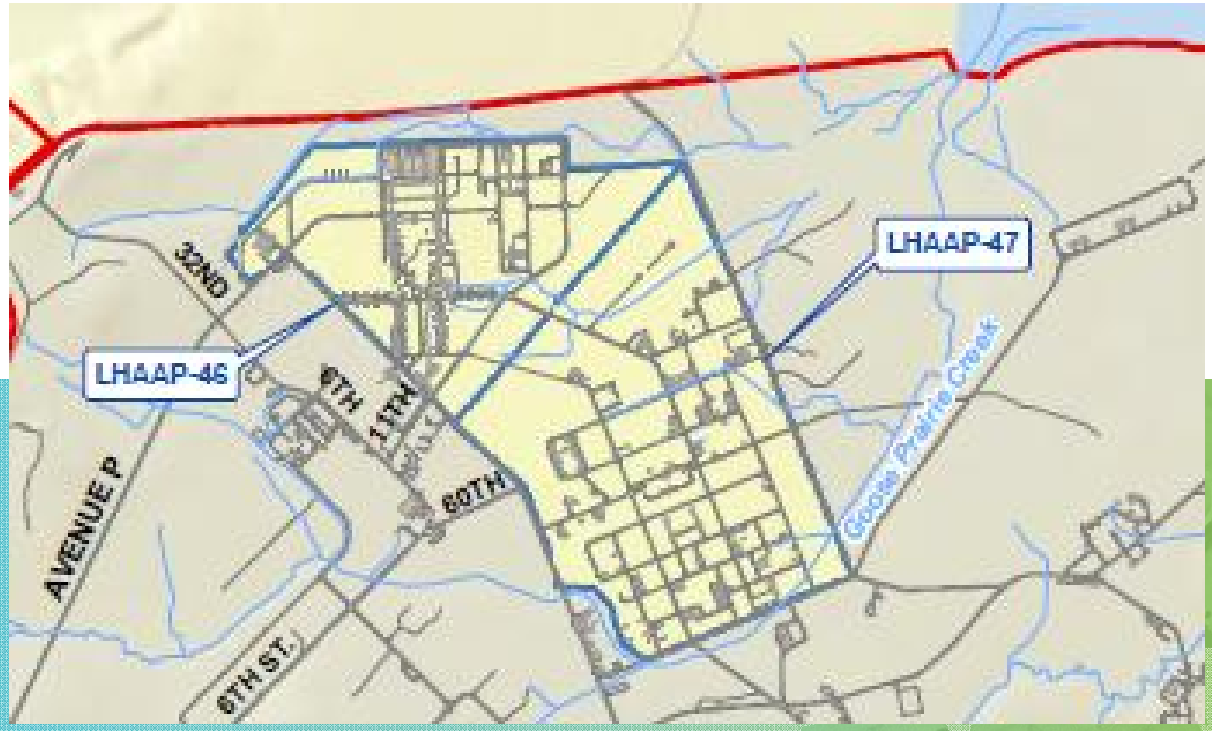
AECOM

Longhorn Active Site List

LHAAP-03	Building 722 Paint Shop
LHAAP-04	Pilot Wastewater Treatment Plant
LHAAP-12	Landfill 12
LHAAP-16	Landfill 16
LHAAP-17	Burning Ground No.2/Flashing Area
LHAAP-18	Burning Ground No.3
LHAAP-24	Unlined Evaporation Pond
LHAAP-29	Former TNT Production Area
LHAAP-37	Chemical Laboratory Waste Pad
LHAAP-46	Plant Area 2
LHAAP-47	Plant Area 3
LHAAP-50	Former Sump Water Tank
LHAAP-58	Maintenance Complex
LHAAP-67	Aboveground Storage Tank Farm
LHAAP-001-R-01	South Test Area/Bomb Test Area
LHAAP-003-R-01	Ground Signal Test Area

Status of Environmental Sites

– LHAAP-46 – Plant Area 2
  - Final Remedy: Monitored Natural Attenuation (MNA) and Land Use Controls (LUCs)
  - Contaminants of Concern: Volatile Organic Compounds (VOCs)



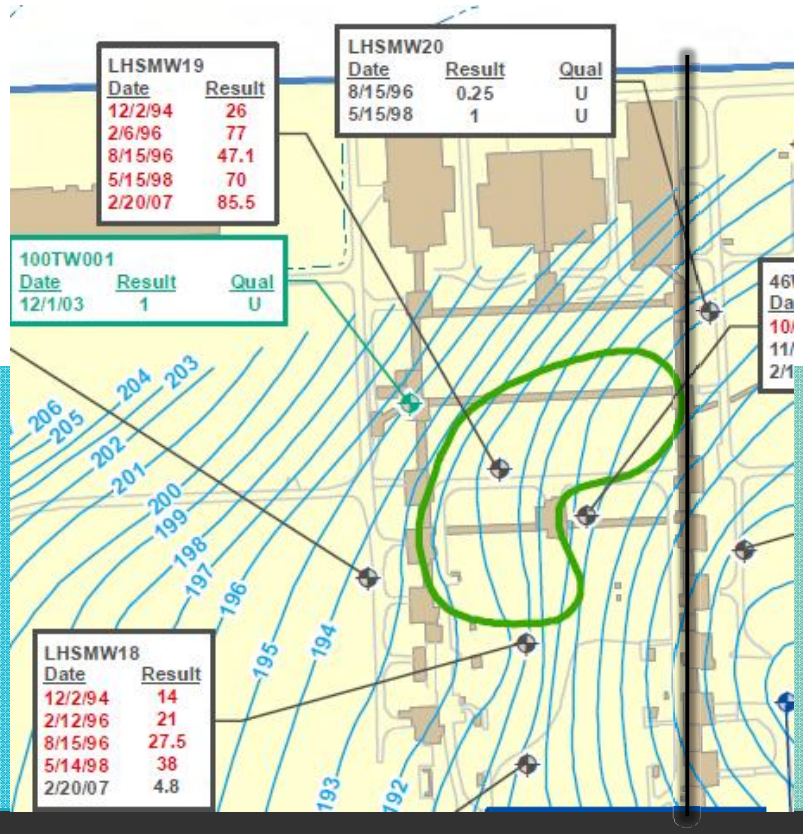
Status of Environmental Sites (cont)

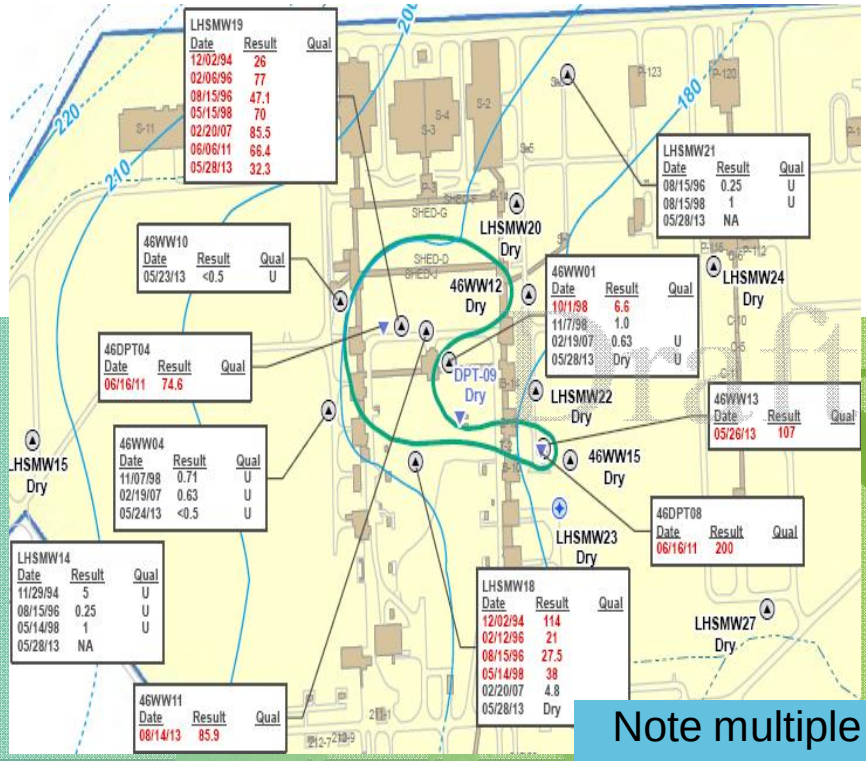
- LHAAP-46 – Plant Area 2
  - Implemented Remedial Action Work Plan in March/April, 2013
  - Installed 4 monitoring wells in the shallow zone (~30ft bgs), and 3 in the intermediate zone (~60ft bgs)
  - Performed baseline groundwater sampling at 21 well locations (11 shallow, 9 intermediate, 1 deep) in May and a second round was collected in August, several shallow locations were dry in both events due to drought conditions
  - Draft Remedial Action Completion Report in-progress

Status of Environmental Sites (cont)

– LHAAP-46 – Plant Area 2

- Shallow TCE plume below. Previous plume boundary on left, draft updated boundary (based upon first data set) on the right:





Note multiple dry wells on eastern side of plume

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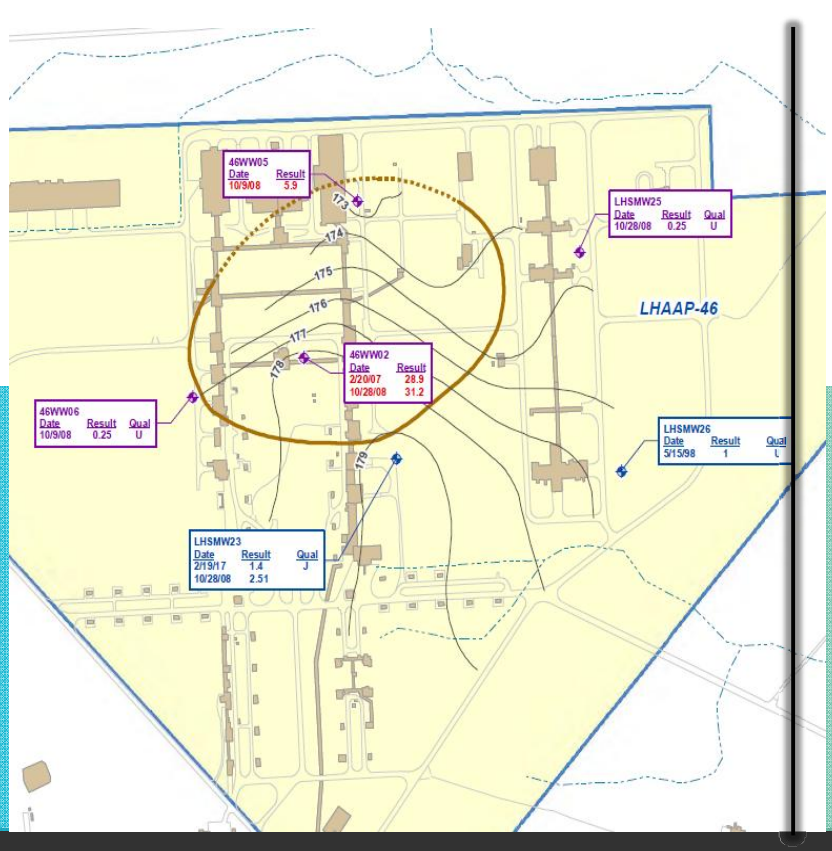
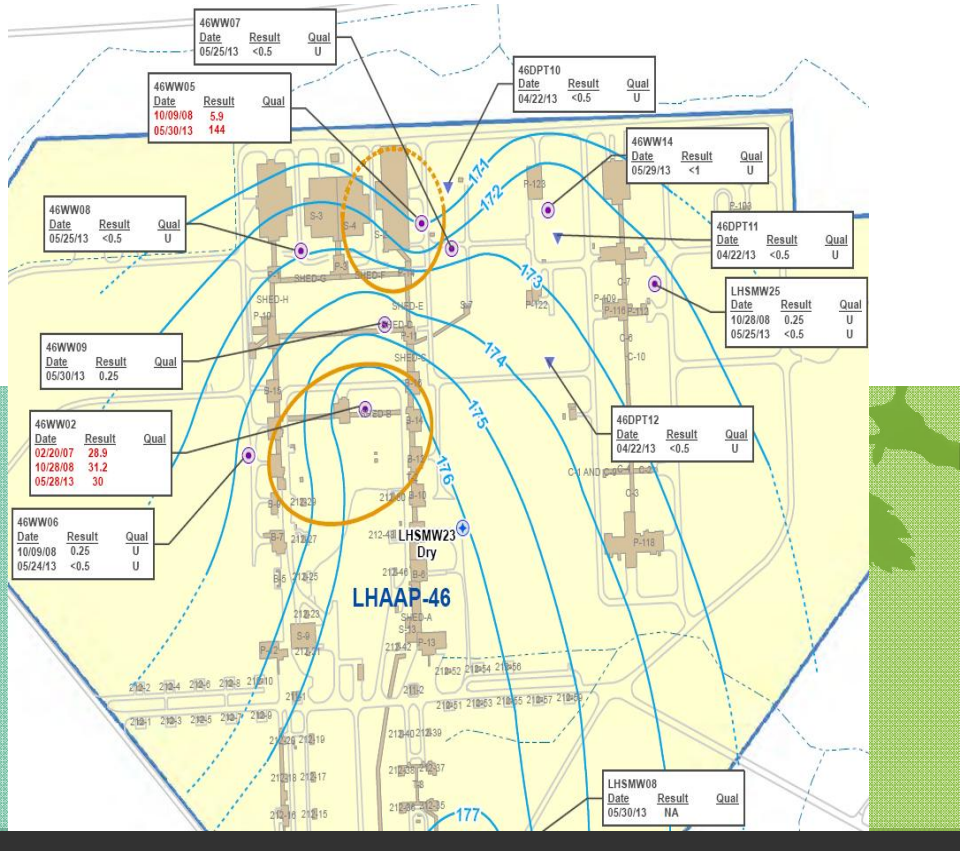
Status of Environmental Sites (cont)

– LHAAP-46 – Plant Area 2
  - Intermediate TCE plume below. Previous plume boundary on left, draft updated boundary (based upon first data set) to the right:





AECOM

Status of Environmental Sites (cont)

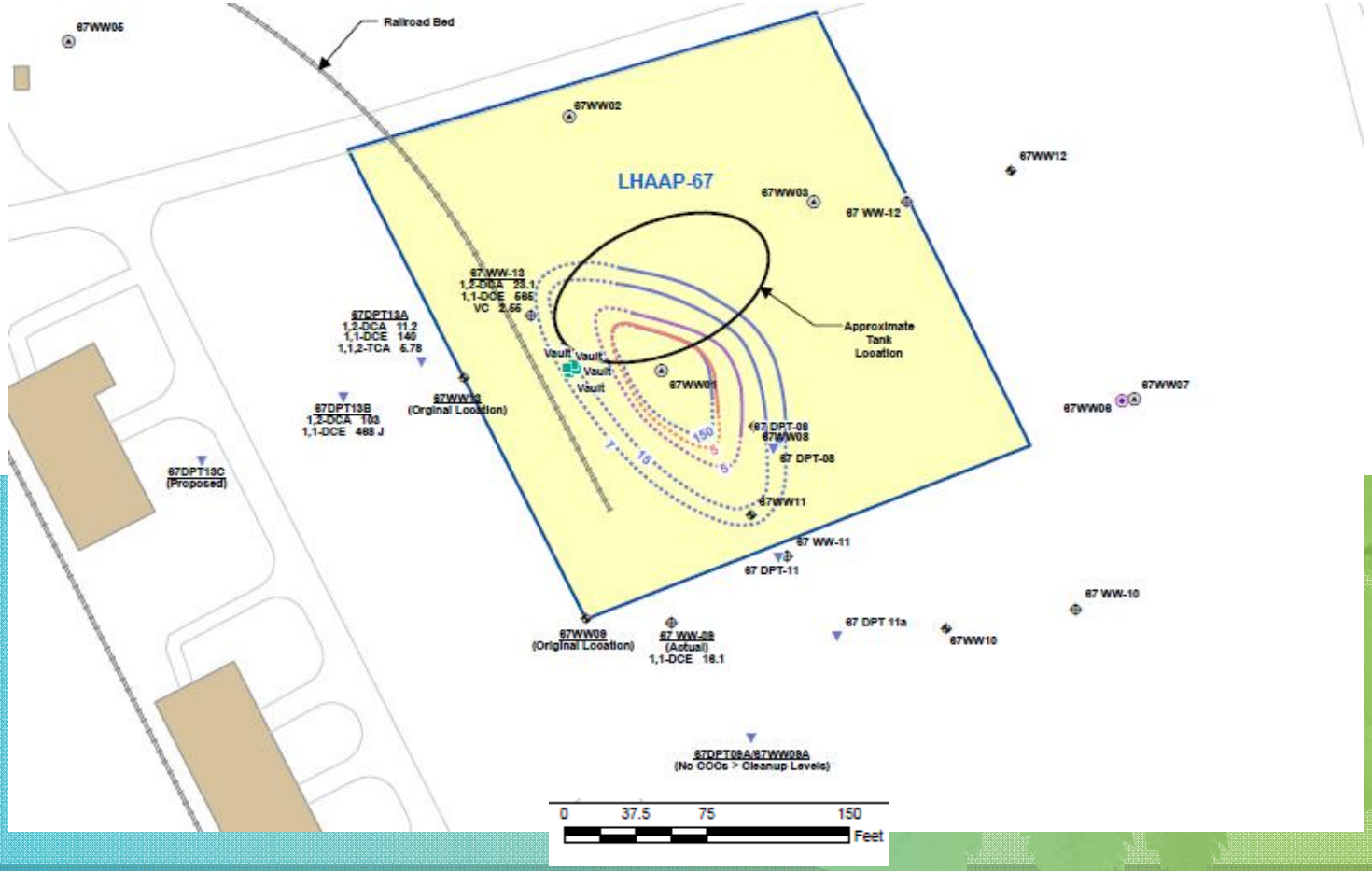
- LHAAP-67 – Aboveground Storage Tank Farm
  - Final remedy: MNA, LUC
  - Contaminants of Concern: VOCs
    - Contaminants are confined to the upper shallow groundwater zone

Status of Environmental Sites (cont)

– LHAAP-67 – Aboveground Storage Tank Farm
  - Implemented Remedial Action Work Plan in March/April 2013
  - Installed 7 monitoring wells in the shallow zone (~30ft bgs)
  - Completed baseline and one additional round of sampling in May and September 2013 at 13 shallow well locations (6 existing and 7 new)
  - Collected VOC data and MNA data to document MNA remedy
  - Draft Remedial Action Completion Report in-progress

Status of Environmental Sites (cont)

– LHAAP-67 – Aboveground Storage Tank Farm
  - Changes in plume understanding with new data:



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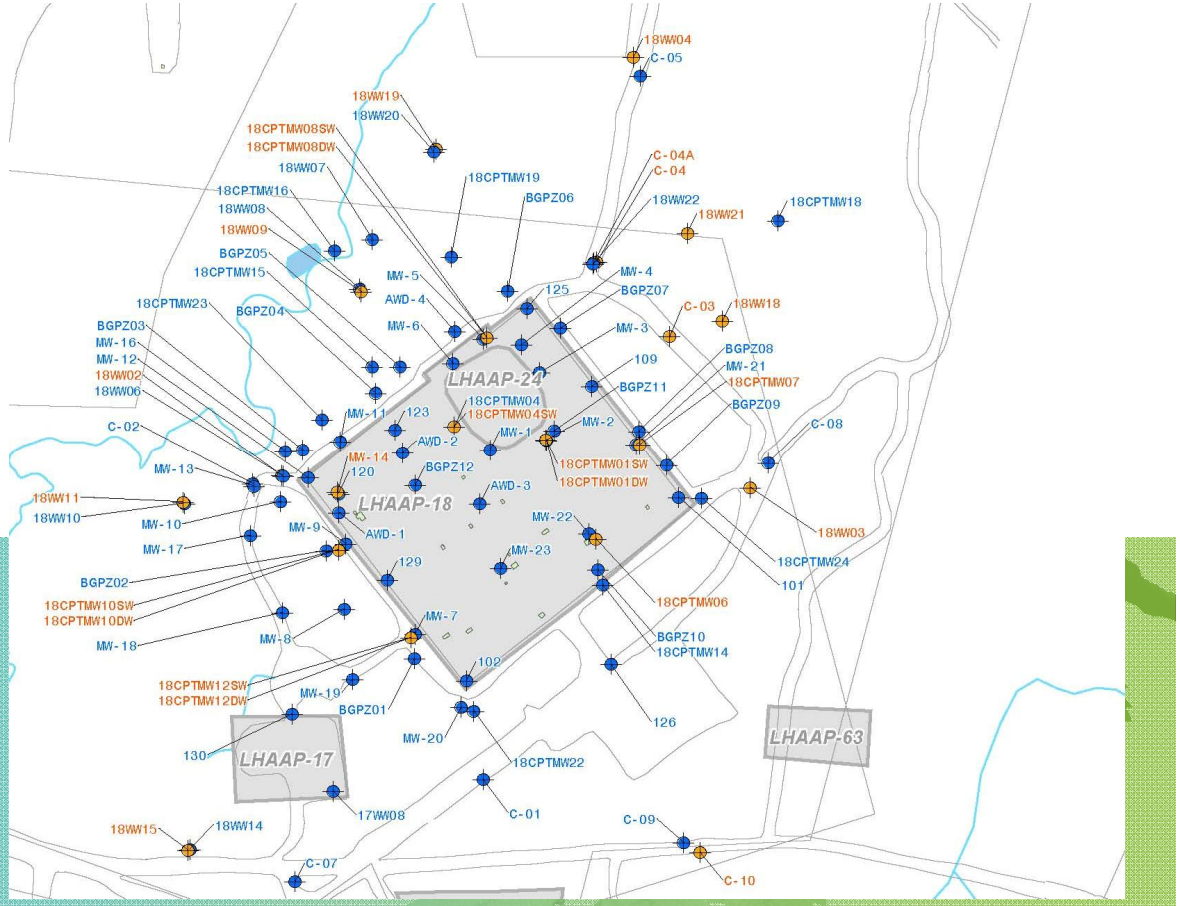
Status of Environmental Sites (cont)

– LHAAP-18/24 – Burning Grounds #3 and Unlined Evaporation Pond
  - Interim remedy: Continuous extraction and treatment of groundwater from collection trenches surrounding and within the site (green in image below)
  - Contaminants of concern: Perchlorate, VOCs, Metals

Status of Environmental Sites (cont)

– LHAAP-18/24

- RTCs for EPA and TCEQ comments and Draft Final Data Gap Report in-progress
- Revised Feasibility Study under development
- Completing semi-annual compliance sampling in November/December (~60 wells)
- Presentation of LHAAP-18/24 Status Based Upon Recently Completed Work Planned for Next RAB



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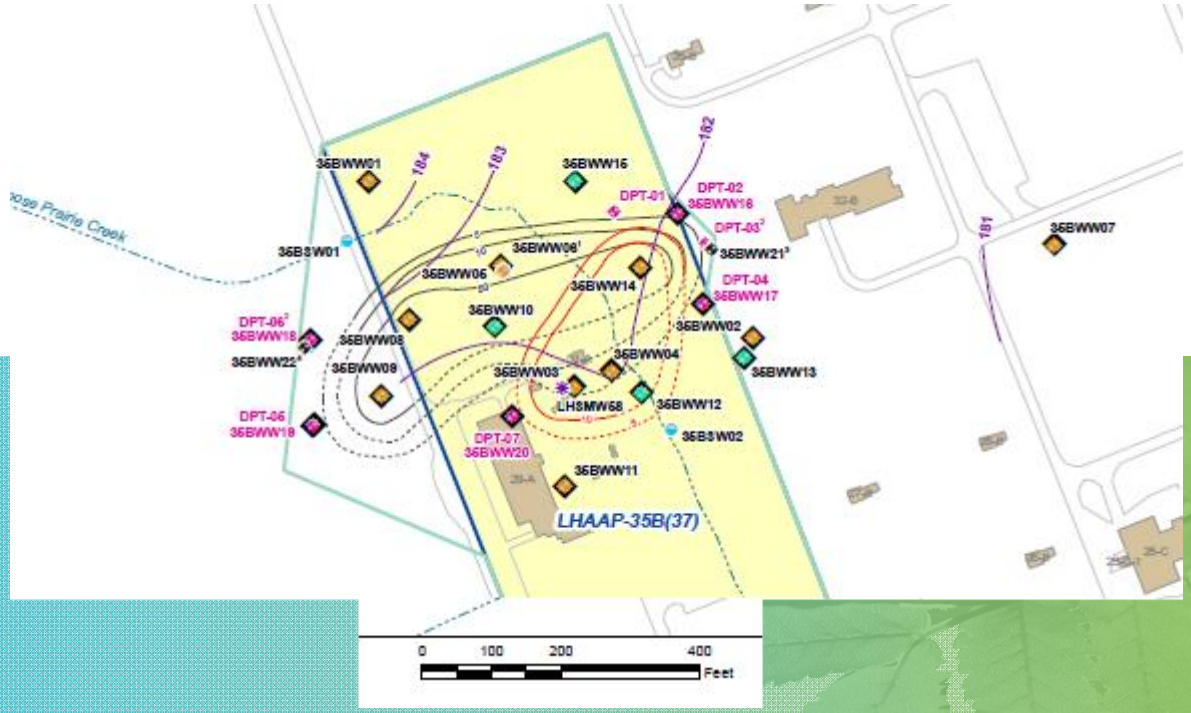
Status of Environmental Sites (cont)

- LHAAP-35B (37) – Chemical Laboratory
  - Final remedy: Monitored Natural Attenuation and Land Use Controls
  - Contaminants of concern: VOCs (PCE and TCE)
    - Only present in the shallow groundwater zone
  - 9 monitoring wells installed in the shallow zone (~35ft bgs)
  - Performed groundwater sampling in September 2013
  - Bio-plug Study On-going

Status of Environmental Sites (cont)

– LHAAP-35B (37) – Chemical Laboratory
  - Shallow TCE and PCE plumes below, including work completed in September, 2013



AECOM

Status of Environmental Sites (cont)

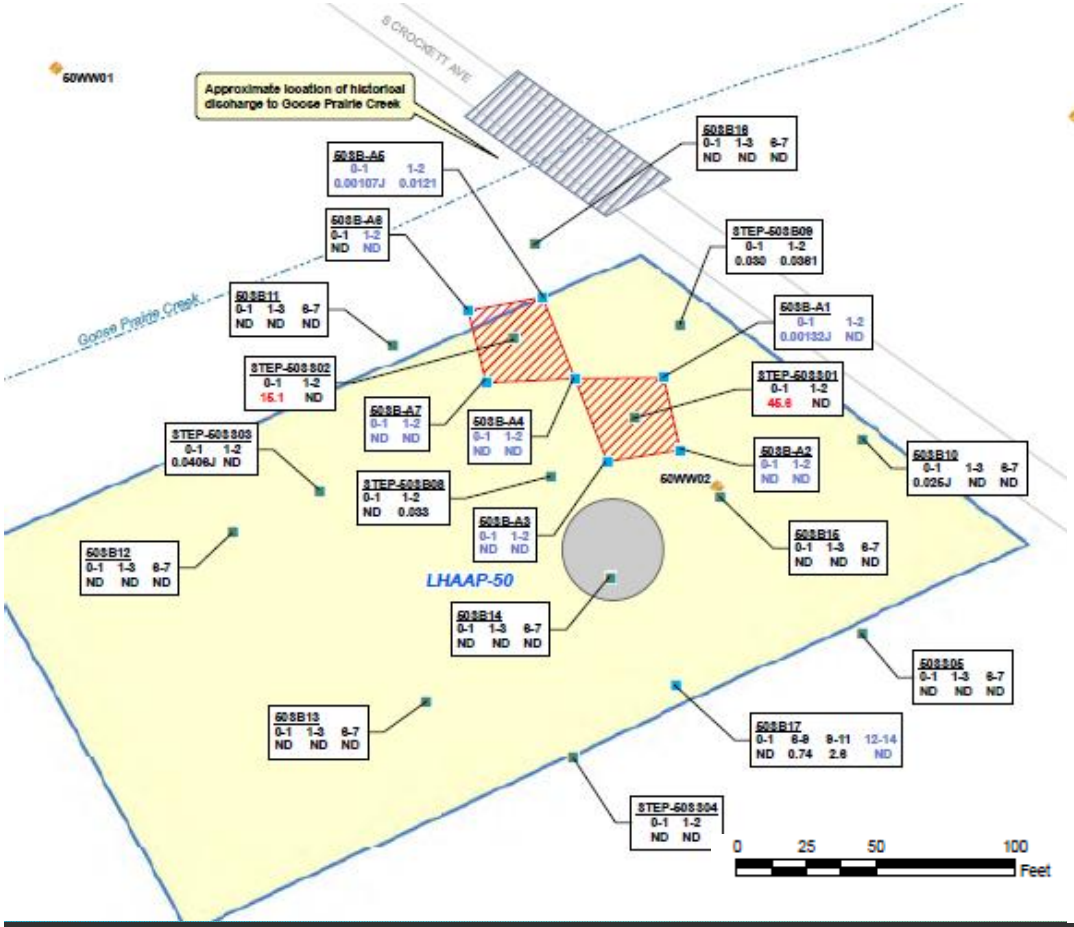
- LHAAP-50 – Former Sump Water Tank
  - Final remedy: Soil excavation, Monitored Natural Attenuation and Land Use Controls for groundwater
  - Contaminants of concern: Perchlorate in soil, and Perchlorate and VOCs in groundwater

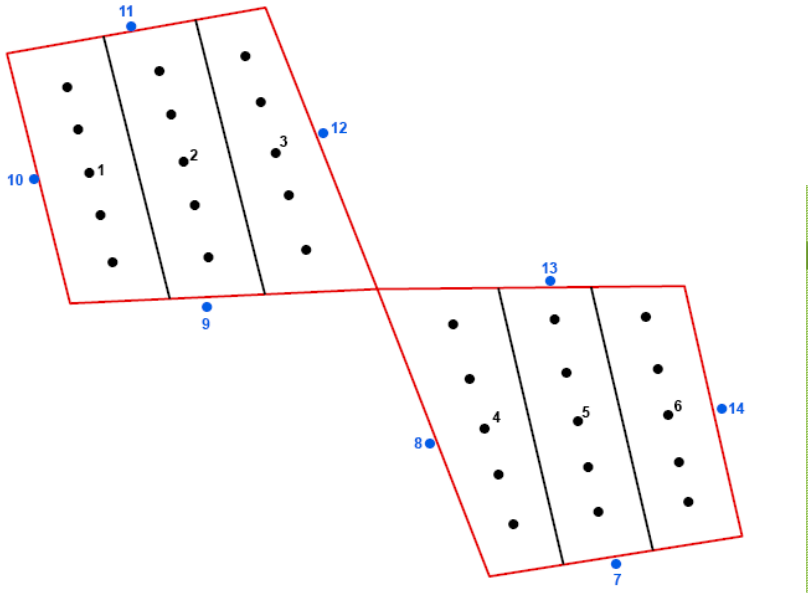
Status of Environmental Sites (cont)

- LHAAP-50 – Former Sump Water Tank
  - Installed 11 upper shallow (~35ft bgs), 5 lower shallow (~60ft bgs), 3 fully-penetrating shallow (~60ft bgs), and 1 intermediate (109ft bgs) monitoring wells
  - Performed baseline sampling of Monitored Natural Attenuation network (30 wells)
  - Excavation of perchlorate impacted soil completed in September, 2013
    - Excavation consisted of using GPS to locate planned limits of excavation based upon historical sampling, planned excavation of 150 cubic yards of soil (4,000 square feet to one foot depth) for off site disposal
    - Excavation was completed to ~18 inches throughout the footprint and 183 cubic yards of soil were removed
    - Confirmation sampling was completed and upon receipt of data indicating all soil exceeding the clean-up goal was removed, the site was back-filled with certified clean soil provided by a local vendor
    - The site was subsequently compacted and seeded, and site restoration is underway
    - A Draft Remedial Action Completion Report is in progress for the site

Status of Environmental Sites (cont)

- LHAAP-50 – See Photo Board for Excavation Photographs
  - Area of excavation (in red). Confirmation sampling strategy on the right.





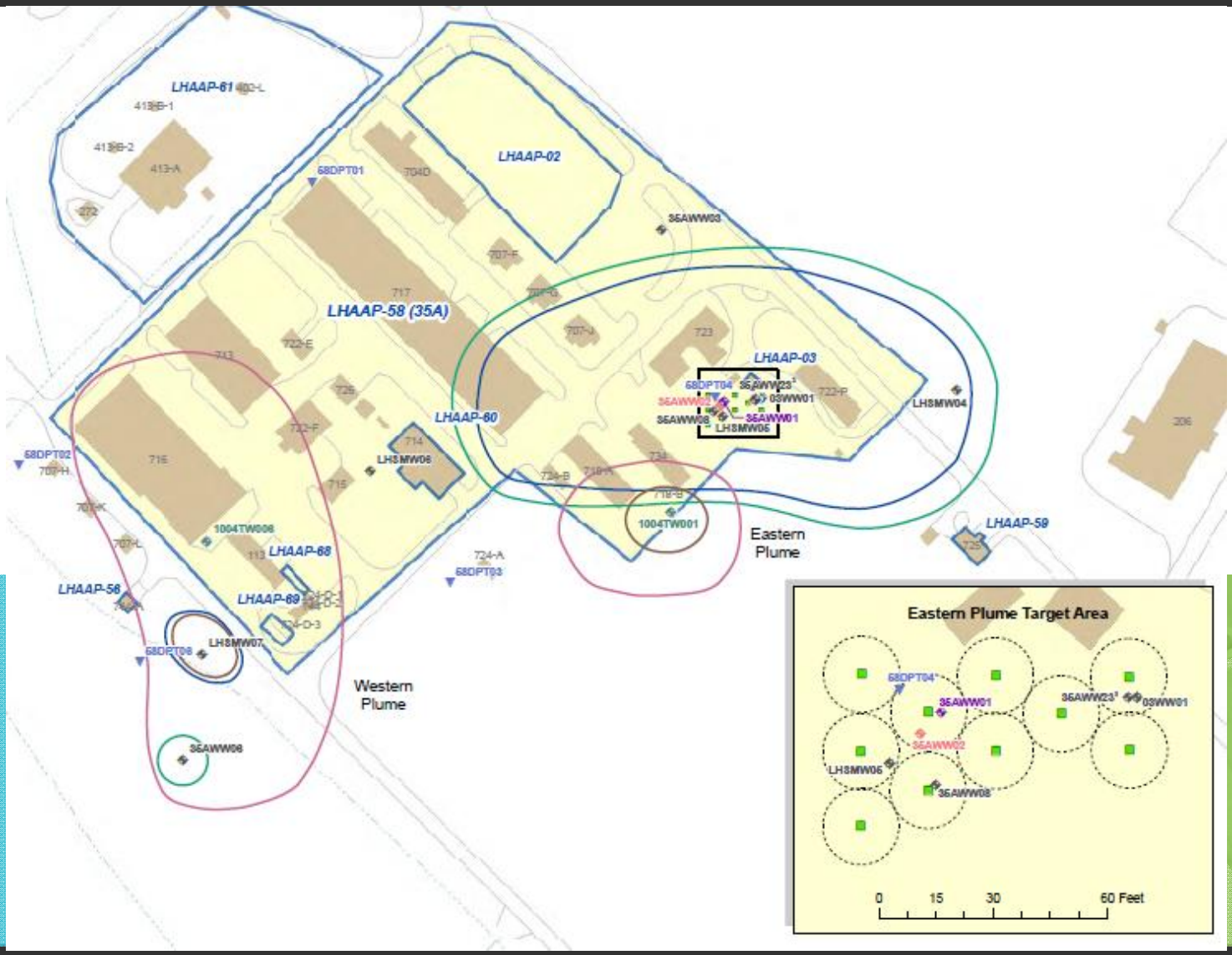
Status of Environmental Sites (cont)

- LHAAP-58 – Shops Area
  - Final remedy:
    - Eastern Plume: In-situ Bioremediation, MNA, LUCs
    - Western Plume: MNA, LUCs
  - Contaminants of concern: VOCs

Status of Environmental Sites (cont)

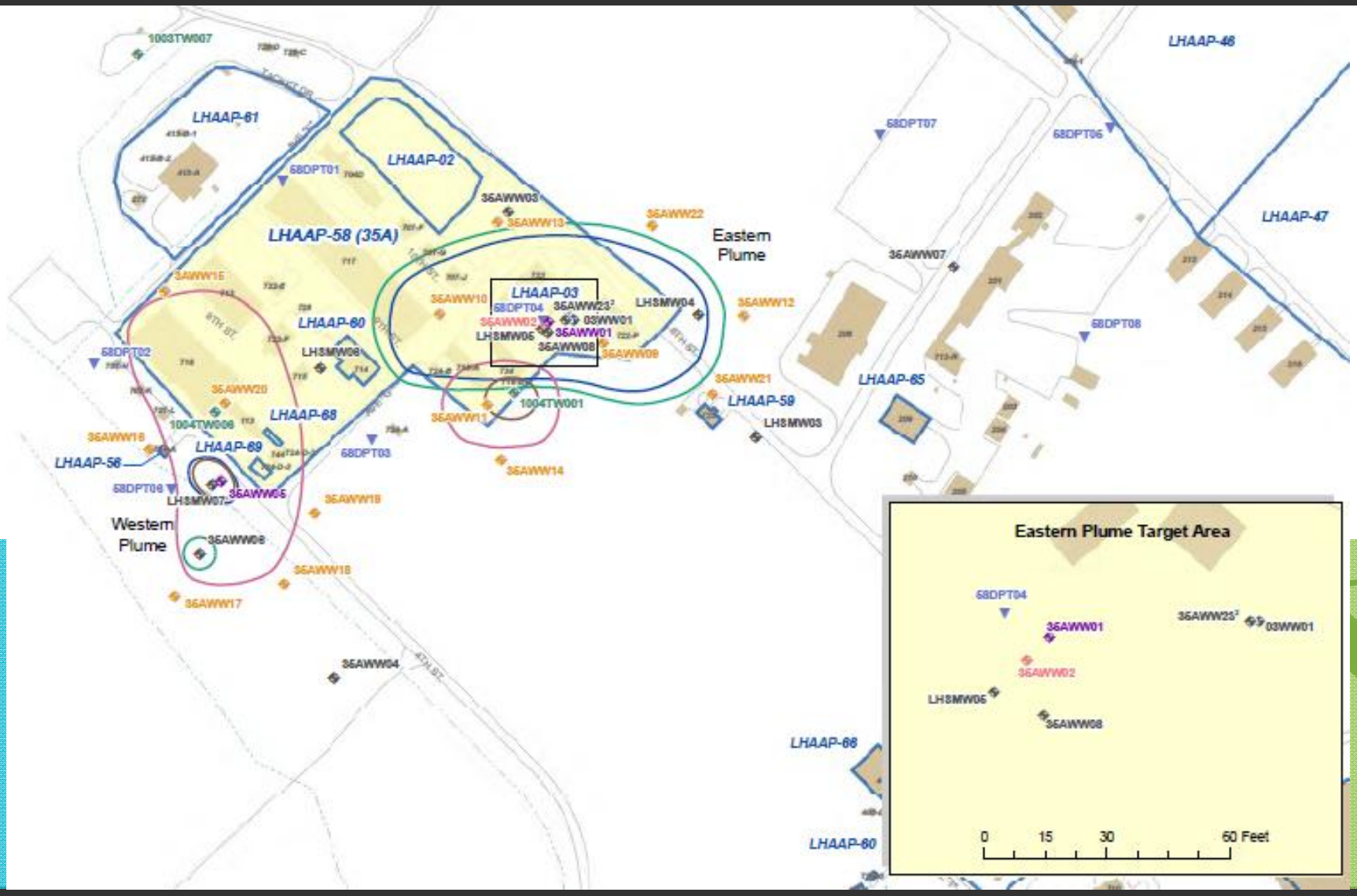
- LHAAP-58 – Shops Area
  - Installed 15 shallow monitoring wells (~35ft bgs) for implementation of MNA remedy
  - Performed baseline groundwater sampling for MNA in September at 20 locations
  - Implemented Enhanced In-situ Bioremediation in the Eastern Plume Area
    - Injected a 20% dilute solution of Wilclear Plus (Sodium Lactate) in 12 DPT injection points
    - Injection depths ranged from 23 ft bgs to about 33 ft bgs.
    - Approximately 200 to 225 gallons of the diluted lactate solution was injected in each point
  - A baseline sampling event was completed prior to injecting to establish conditions at the start of EISB, VOC sampling and biogeochemical data are currently being collected to document the progress of the remedy
  - Bioaugmentation occuring this week

Status of Environmental Sites (cont)



AECOM

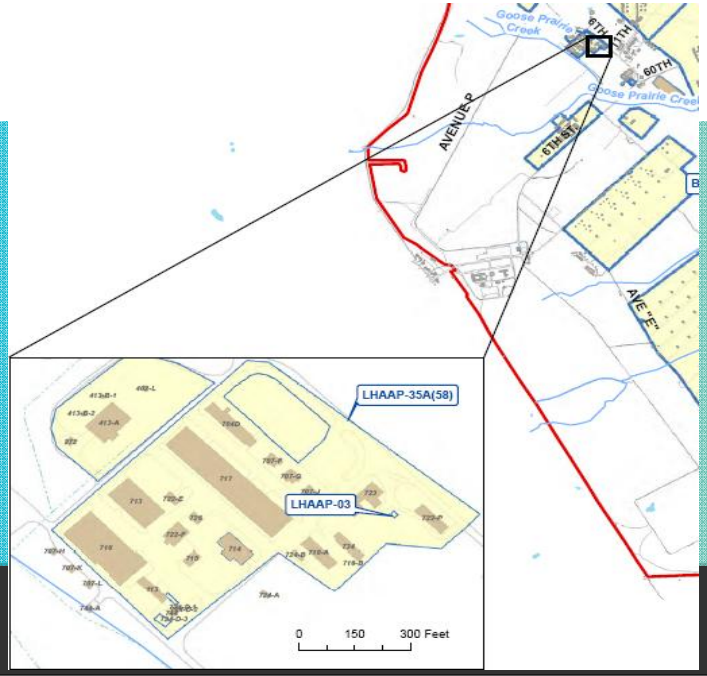
Status of Environmental Sites (cont)

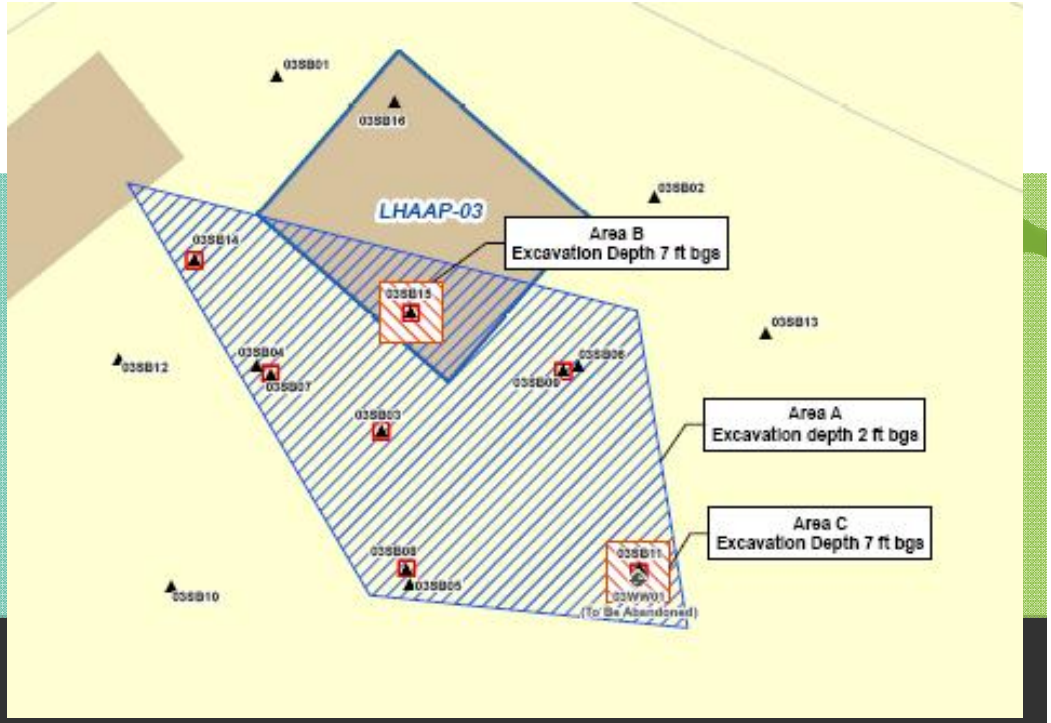


AECOM

Status of Environmental Sites (cont)

- LHAAP-03 – Former Waste Collection Pad
  - Proposed Final Remedy: Excavation and off-site disposal of between 50-150 cubic yards (as much soil as it takes to achieve the clean-up objectives)
  - Contaminants of concern: lead and arsenic
    - All other monitoring and reporting requirements associated with the groundwater and land use, including CERCLA five-year reviews, will be met under LHAAP-35A (58)
- Currently Finalizing Record of Decision

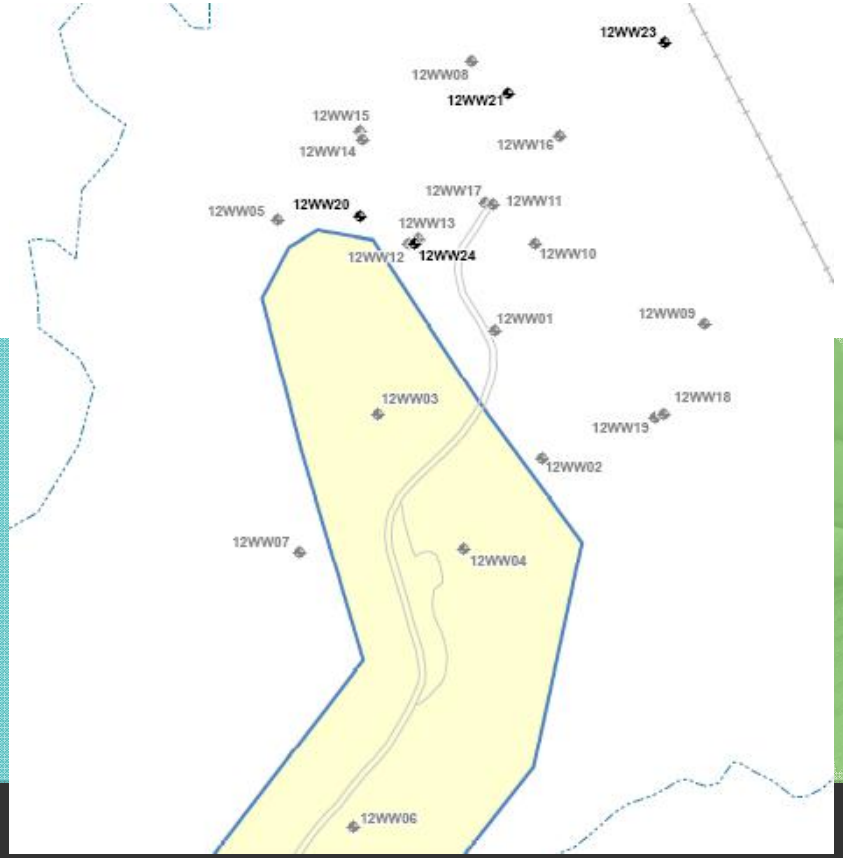




AECOM

Status of Environmental Sites (cont)

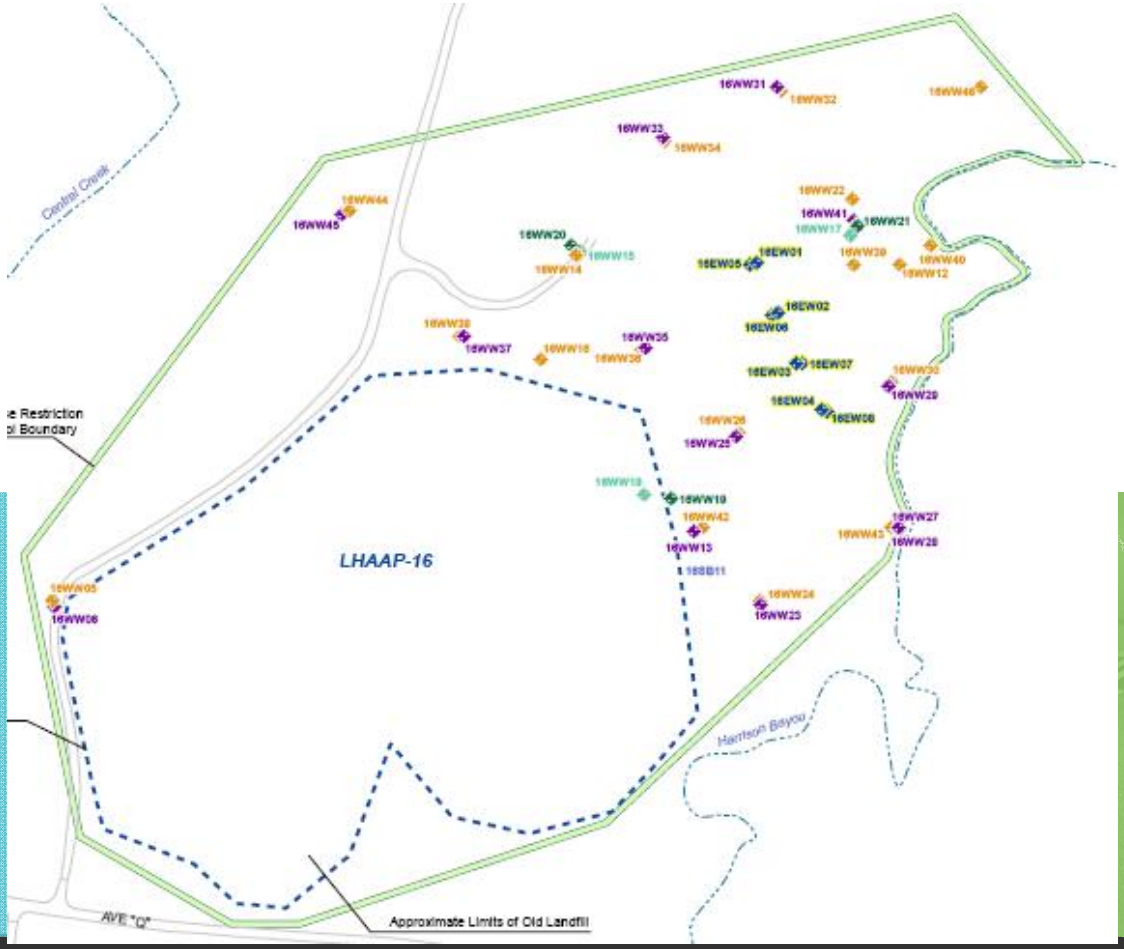
– LHAAP-12 – Landfill 12
  - Completing Operations and Maintenance (mowing, signs, repairing sparse vegetation or subsidence areas)
  - Monitoring wells were recently re-painted and re-labeled



AECOM

Status of Environmental Sites (cont)

- LHAAP-16 – Landfill 16
  - Monitoring wells re-painted and re-labeled



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Status of Environmental Sites (cont)

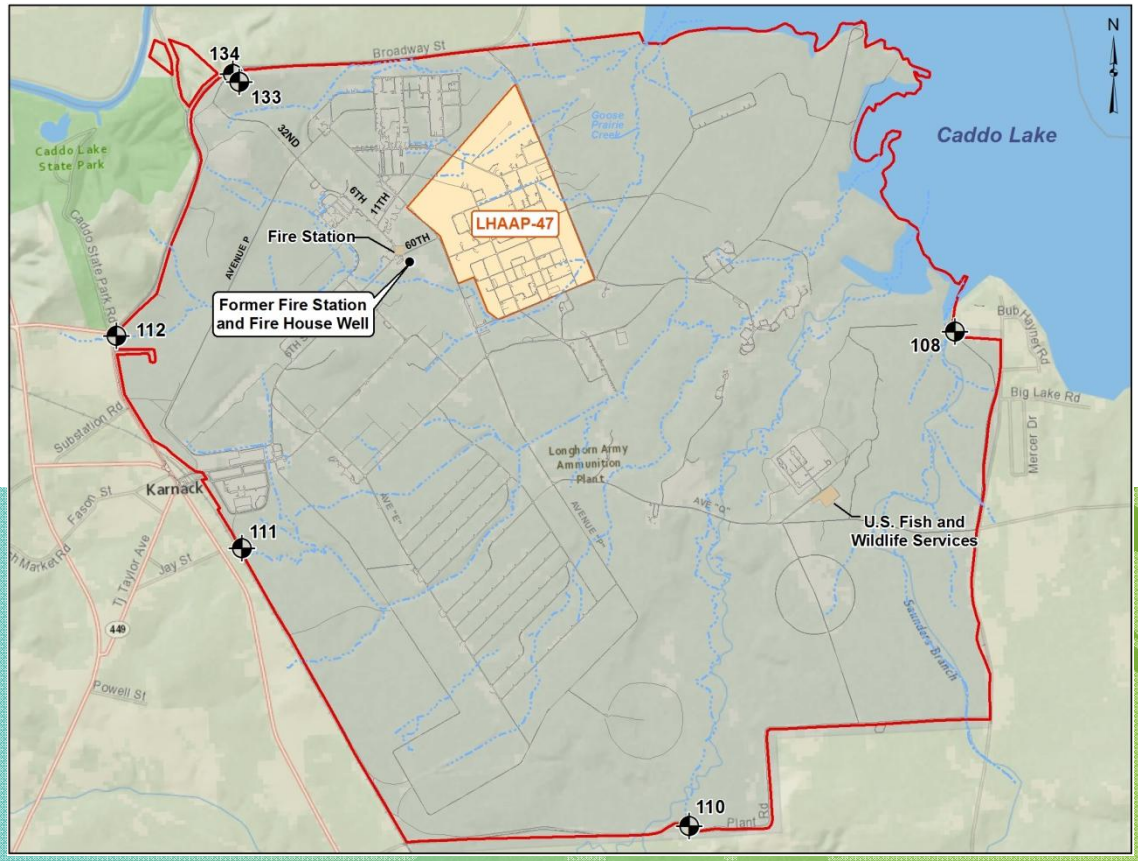
– LHAAP-16 – Landfill 16
  - Monitoring wells re-painted and re-labeled

AECOM

Status of Environmental Sites (cont)

– Perimeter Wells

Well ID	Screen Depth (feet bgs)
108	5.5 - 20.5
110	5 - 20
111	5.4 - 20.4
112	5.25 - 20.25
133	64.5 - 84.5
134	90 -110



AECOM

Status of Environmental Sites (cont)

- Perimeter Wells
  - Sampling Program
    - 1994 through 1999
      - » Explosives
      - » Metals
      - » VOCs
      - » SVOCs
      - » Nitrate
      - » Nitrite

      Low levels or no detection
    - 2000 through 2004
      - » Explosives
      - » Metals
      - » VOCs
      - » SVOCs
      - » Nitrate
      - » Nitrite
      - » Perchlorate

      Low levels or no detection
    - 2005 through present day
      - » Semiannual sampling conducted for perchlorate per dispute resolution

Status of Environmental Sites (cont)

– Perimeter Wells

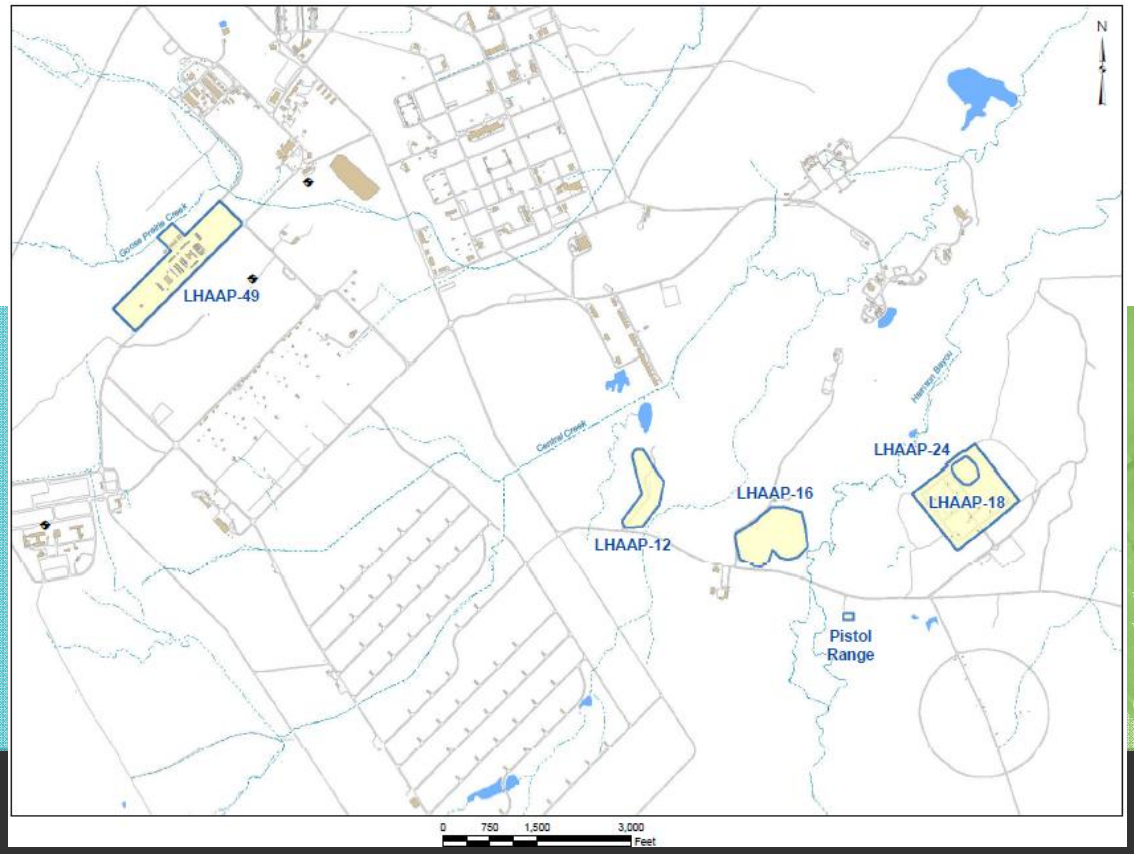
Perchlorate in µg/L

Well ID	Jun 2005	Sep 2005	Sep 2006	May 2007	Aug 2007	Dec 2007	Mar 2008	Sep 2008	May 2009
108	Dry	Dry	10 U	Dry	0.5 U	Dry	Dry	2.5 U	Dry
110	Dry	Dry	10 U	Dry	10 U	Dry	Dry	5.0 U	Dry
111	Dry	Dry	4 U	Dry	0.5 U	Dry	Dry	0.5 U	Dry
112	Dry	Dry	5 U	Dry	3 U	Dry	Dry	2.0 U	Dry
133	0.541	0.597	1.08	1 U	1.09	0.5 U	0.5 U	0.5 U	0.47 J
134	0.881	0.725	0.708 J	1 U	0.949 J	0.5 U	0.5 U	0.829 U	0.04 J

Well ID	Sep 2009	Mar 2010	Sep 2010	Mar 2011	Sep 2011	Oct 2012	Mar 2013	Jun 2013
108	1.2U	Dry	3U	Dry	0.1U	0.2U	0.2U	Dry
110	6U	Dry	Dry	Dry	Dry	0.535	0.2U	Dry
111	0.3U	Dry	Dry	Dry	Dry	Dry	1.32	Dry
112	3U	Dry	3U	Dry	0.26	0.2U	0.2U	Dry
133	0.32	Dry	0.32	Dry	0.68	0.598	0.655	Dry
134	0.3U	0.3 U	0.45	0.636	1.11	0.671	0.698	0.706

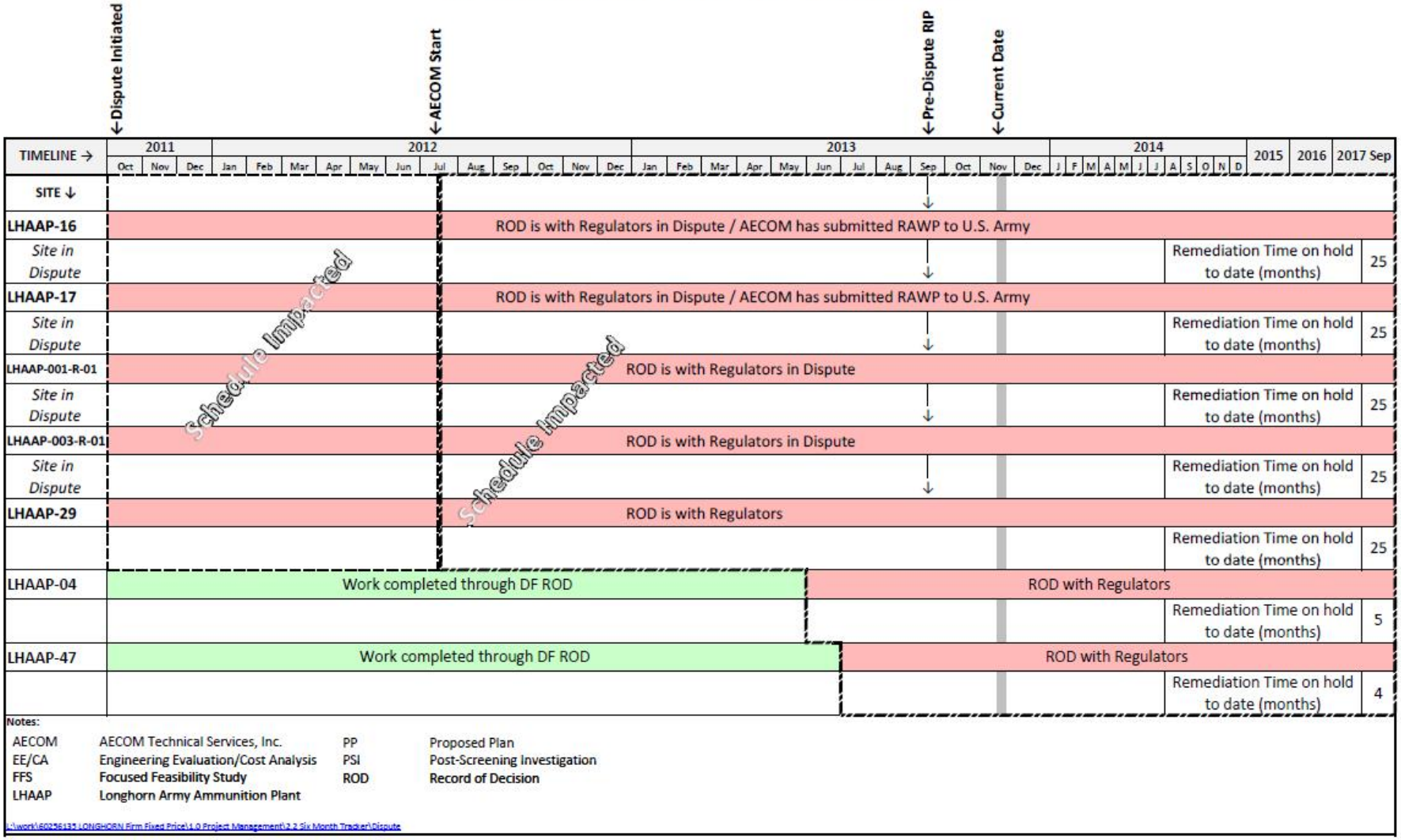
Status of Environmental Sites (cont)

– CERCLA 5-Year Review Process for Multiple Sites
  - Review Activities Completed
  - Comment/Response to Comments on the Five Year Review Report On-going
  - Review completed for LHAAP-12, LHAAP-16, LHAAP-18, LHAAP-24, LHAAP-49, and LHAAP-004-R-01



Dispute Status

Sites at which Work has Ceased Pending Resolution of the Dispute



Notes:

AECOM	AECOM Technical Services, Inc.	PP	Proposed Plan
EE/CA	Engineering Evaluation/Cost Analysis	PSI	Post-Screening Investigation
FFS	Focused Feasibility Study	ROD	Record of Decision
LHAAP	Longhorn Army Ammunition Plant		

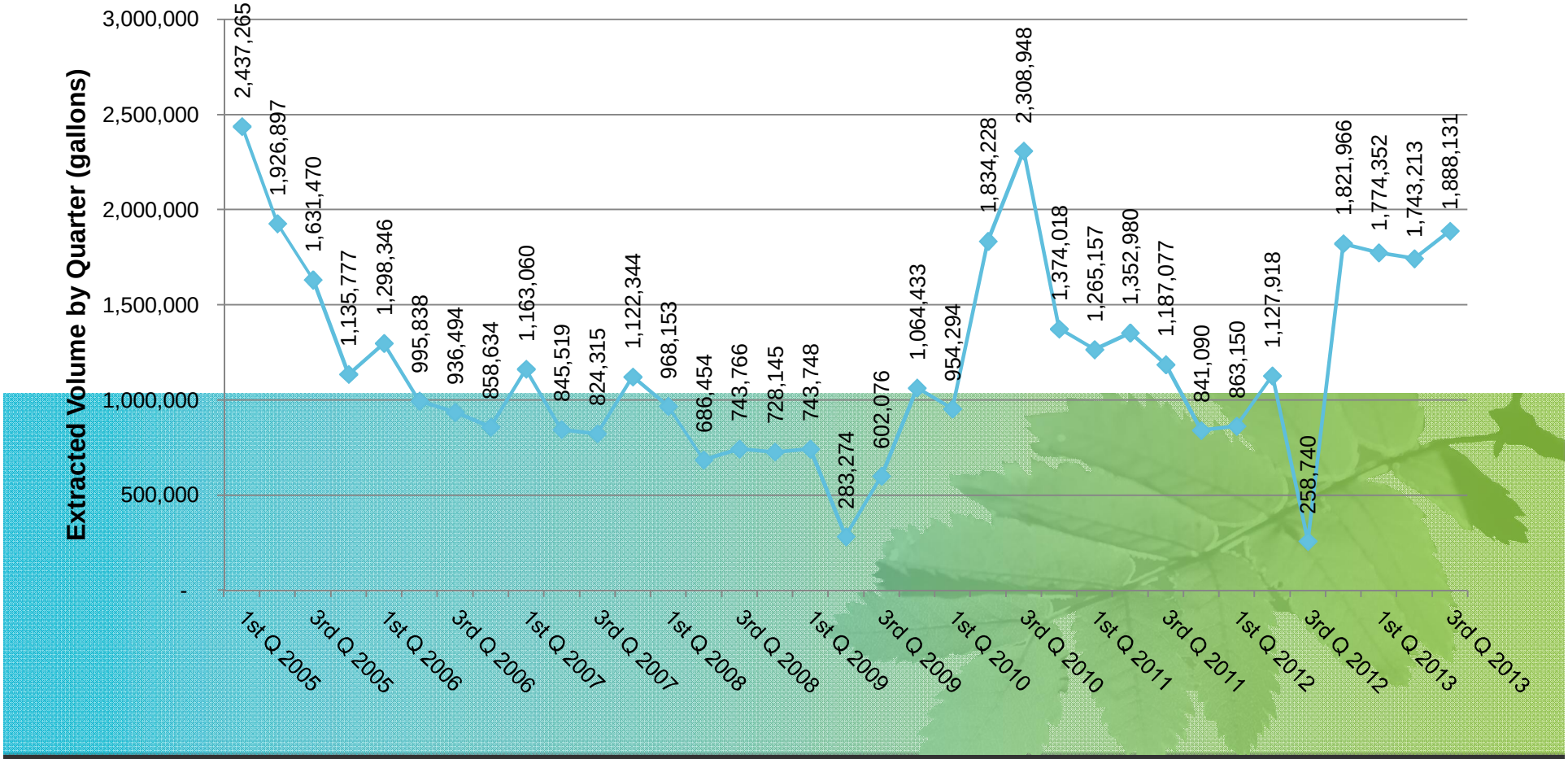
L:\work\60256135 LONGHORN Firm Fixed Price\1.0 Project Management\2.2 Six Month Tracker\Dispute

Groundwater Treatment Plant Operations and Management

- The Groundwater Treatment Plant continues to operate to contain the plume at LHAAP-18/24 and LHAAP-16.
- Water continues to be returned to LHAAP-18/24 or into Harrison Bayou, depending on the amount of water in the bayou.
- Compliance monitoring continues per existing sampling plan.
- Maintenance and repairs of wells, pumps, tanks, and ancillary equipment is on-going.

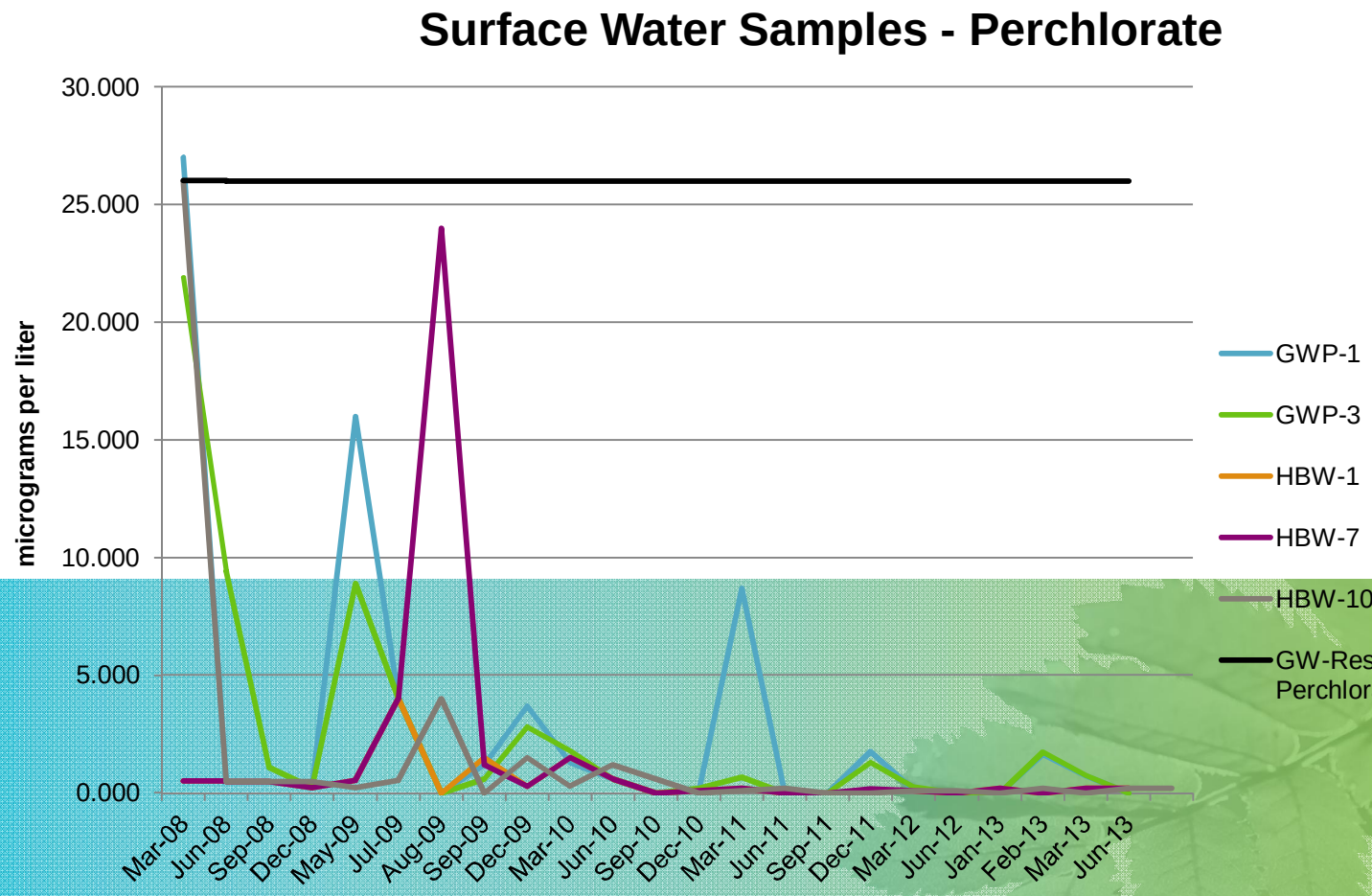
GWTP O&M (cont)

Quarterly Extraction Rate



AECOM

Surface Water Sample Results



GPW – Goose Prairie Creek
HBW – Harrison Bayou

Upcoming Fieldwork, Meetings, and Documents

1. Continue quarterly groundwater sampling for recently completed monitoring networks at LHAAP-46, 50, 58, 67, in addition to semi-annual compliance sampling at LHAAP-18/24

2. CERCLA 5-year review: To be Signed winter 2013

3. Draft Completion Reports for LHAAP-37, 46, 50, 58, 67

4. Sites where work has ceased pending dispute resolution:
    1. LHAAP-04
    2. LHAAP-47
    3. LHAAP-16
    4. LHAAP-17
    5. LHAAP-29
    6. LHAAP-001-R-01
    7. LHAAP-003-R-01

CERCLA Flow Process

– Comprehensive Environmental Response, Compensation, and Liability Act
  - Please see poster board

Bio Plug Study at LHAAP 35B (37)

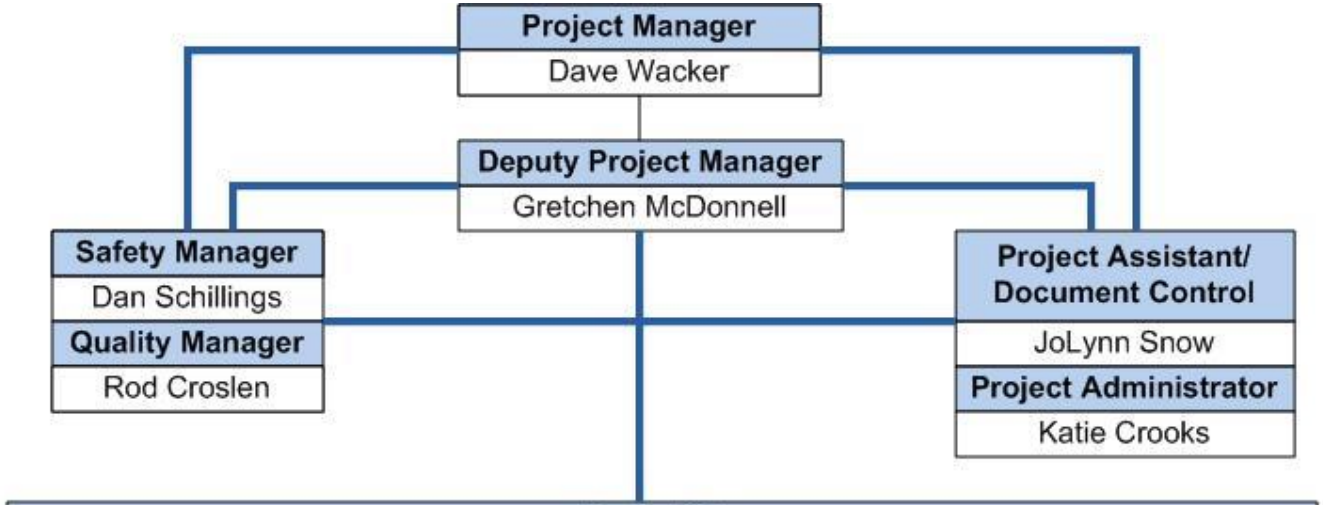
– See separate slide presentation

Continued Discussion of In-situ Bioremediation

– See separate slide presentation

Back-up Slides

AECOM Longhorn Project Organization Chart



Task / Site

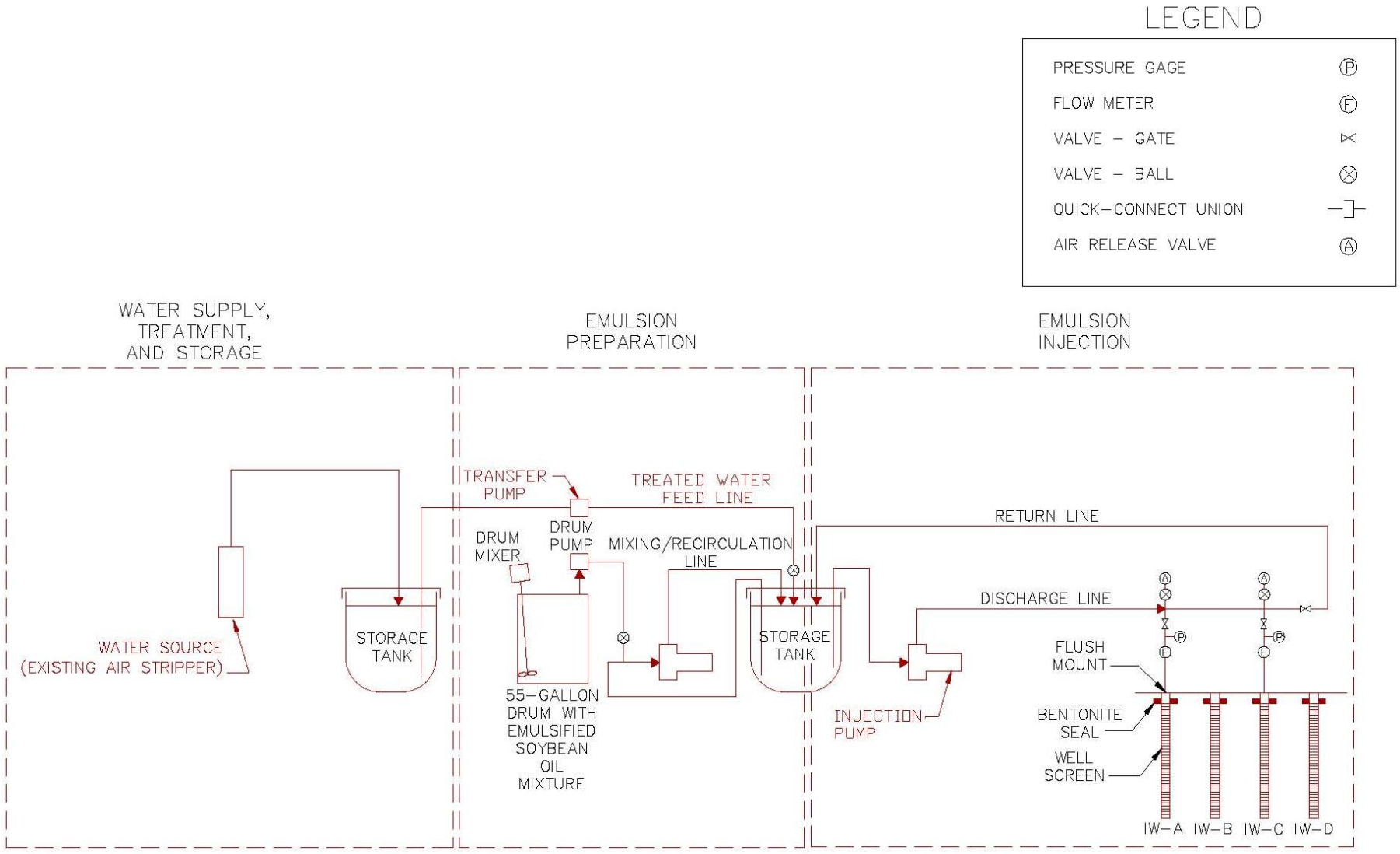
GWTP Marwan Salameh *Long Term Planning* Don Coulombe *Repairs and Maintenance*	**03, 16** Harvinder Singh Harry Van Den Berg **17, 29** Scarlett Zhai Harry Van Den Berg	**50,58** Eva Moore Amol Keskar **04, 37, 46, 47, 67** Amol Keskar	**18/24** Marwan Salameh **001-R-01, 003-R-01, 12** Josh Miller

Subcontractors

GWTP and O&M World Environmental (SDVSB) Scott Beesinger Ray Wagner Jimmy Davis	**Sampling Support** Eagle Environmental (SB)	**Drilling** ETTL Fugro	**Lab** Microbac

AECOM

In-situ Bioremediation



AECOM

Groundwater Treatment Plant - Treated Groundwater Volumes

The amount of groundwater treated is determined by measuring the number of gallons of treated water returned to LHAAP-18/24, released to the INF Pond, or discharged to Harrison Bayou.

Treated Water Data

(in gallons)

Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
1,041,491	848,356	804,822	792,148	665,883	818,872	791,306	568,812	776,904	748,377	690,052	617,199

Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
655,059	619,274	726,118	552,299	598,144	433,800	488,807	526,958	387,644	0	414,853	735,716

Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
808,322	636,306	727,492	391,898	695,343	802,656	894,731	962,121	1,257,977	1,314,924	1,041,495	1,136,547

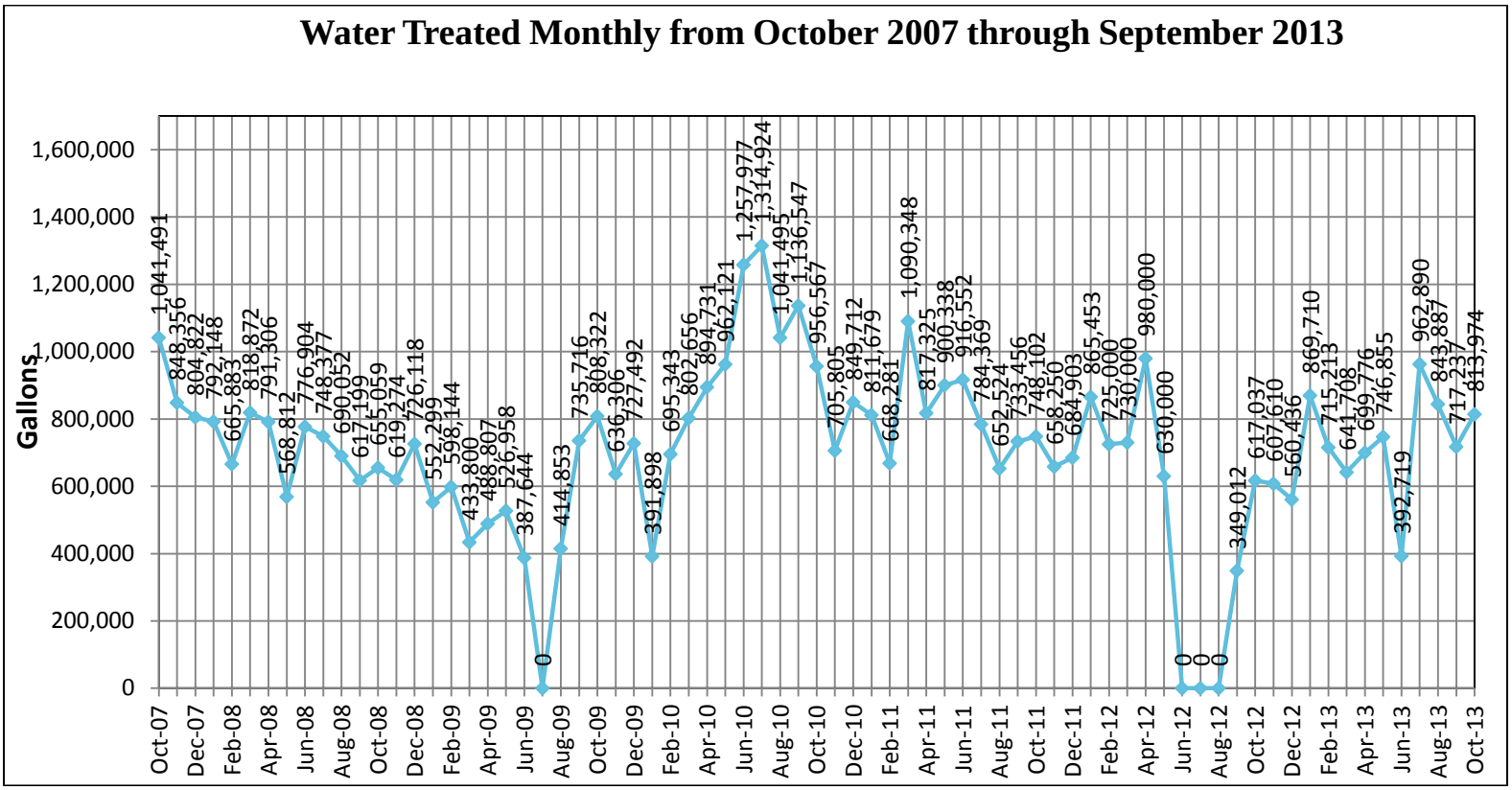
Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
956,567	705,805	849,712	811,679	668,281	1,090,348	817,325	900,338	916,552	784,369	652,524	733,456

Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
748,102	658,250	684,903	865,453	725,000*	730,000*	980,000*	630,000*	0	0	0	349,012

Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
617,037	607,610	560,436	869,710	751,213	641,708	699,776	746,855	392,719	962,890	843,887	717,237

Oct-13
813,974

* Indicates estimate



The pounds of chemicals removed for the 3rd Quarter of 2013 can be found below and are calculated by the following formula:

$$\frac{\text{(Concentration [µg/L] x Volume [gallons] x 3.785 [liters per gallon])}}{\text{(453,600,000 µg per pound)}}$$

Pounds of Chemicals Removed From LHAAP-18/24, 3rd Quarter 2013

	Trichloroethylene	Methylene Chloride	Perchlorate
Jul-13	64.5	118.2	90.5
Aug-13	53.7	35.1	72.9
Sep-13	49.7	27.2	78.5

Harrison Bayou and Goose Prairie Creek – Perchlorate Data

Surface water samples are collected quarterly from each location in Harrison Bayou and Goose Prairie Creek unless they are dry.

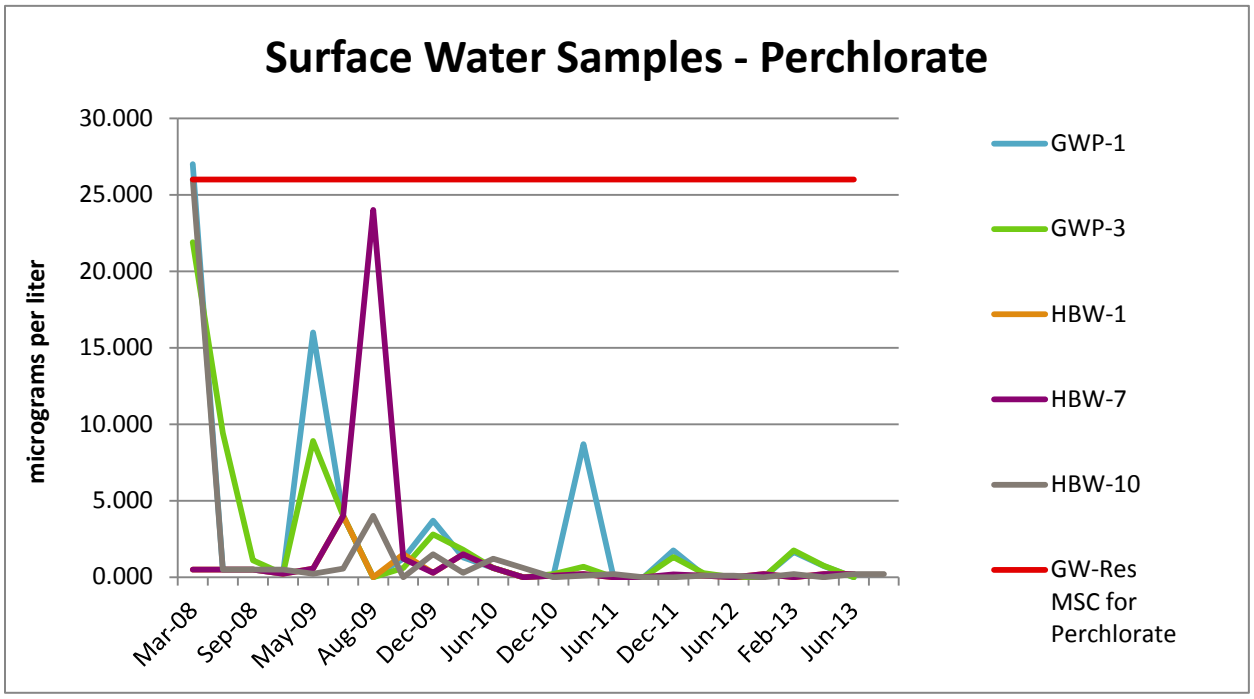
Historic Surface Water Sample Data
(in micrograms per liter)

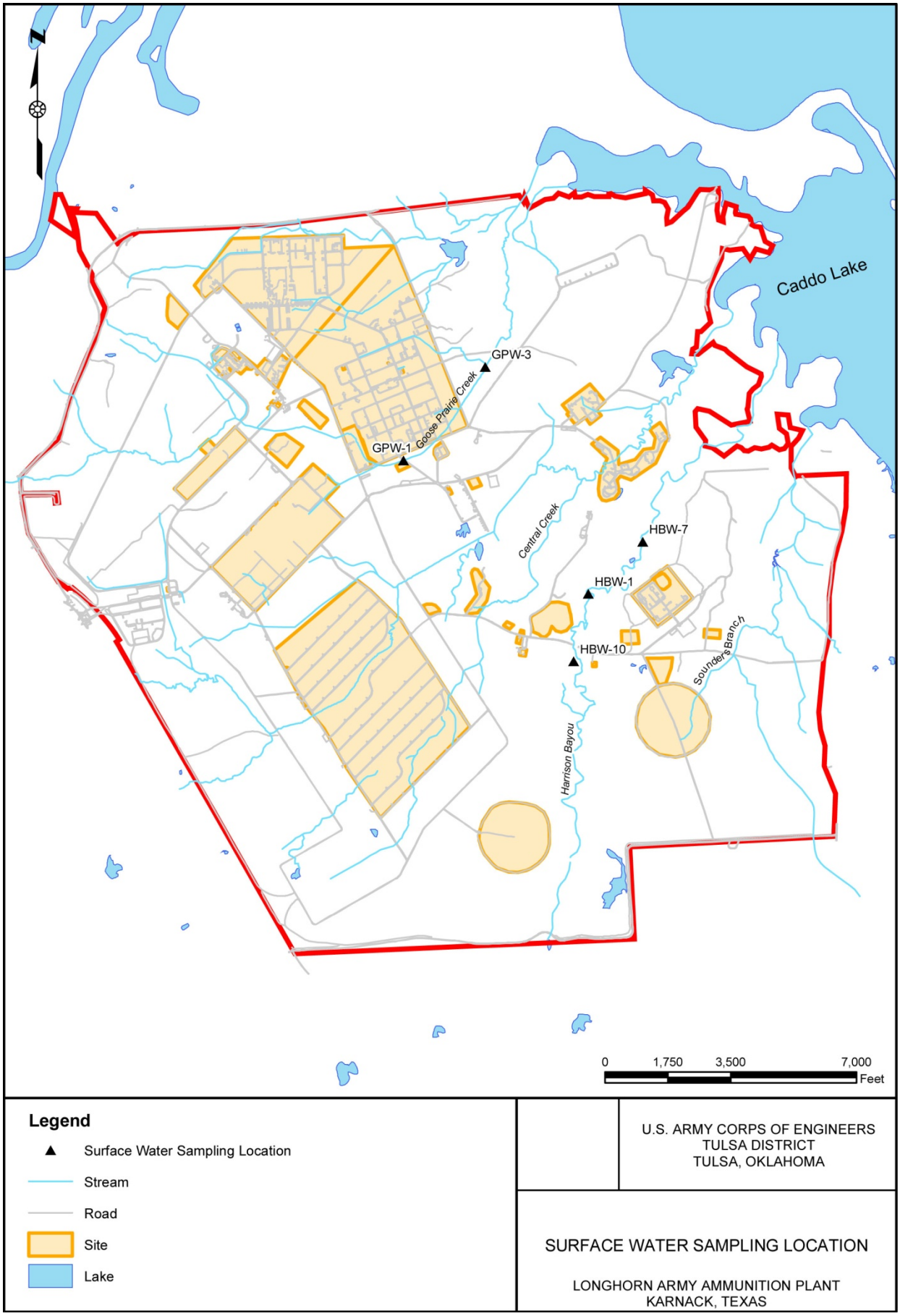
Creek Sample ID	Mar 2008	Jun 2008	Sep 2008	Dec 2008	May 2009	July 2009	Aug 2009	Sep 2009	Dec 2009	Mar 2010	Jun 2010
GPW-1	27	0.5U	0.5U	0.22U	16	4U	dry	1.2U	3.7	1.3J	0.6U
GPW-3	21.9	9.42	1.1	0.22U	8.9	4U	dry	0.6U	2.8	1.8J	0.6U
HBW-1	0.5U	0.5U	0.5U	0.22U	0.55U	4U	dry	1.5U	0.275U	1.5U	0.6U
HBW-7	0.5U	0.5U	0.5U	0.22U	0.55U	4U	24	1.2U	0.275U	1.5U	0.6U
HBW-10	0.5U	0.5U	0.5U	0.22U	0.55U	4U	dry	1.5U	0.275U	1.2U	0.6U

Creek Sample ID	Sep 2010	Dec 2010	Mar 2011	Jun 2011	Sep 2011	Dec 2011	Mar 2012	Jun 2012	Jan 2013	Feb 2013	Mar 2013
GPW-1	dry	0.1U	8.7	dry	dry	1.76	0.163J	dry	dry	1.65	0.735
GPW-3	dry	0.199J	0.673	dry	dry	1.31	0.261	dry	dry	1.74	0.754
HBW-1	dry	0.1U	0.2U	dry	dry	0.1U	0.1U	dry	<0.2U	dry	<0.2U
HBW-7	dry	0.1U	0.2U	dry	dry	0.171J	0.1U	dry	<0.2U	dry	<0.2U
HBW-10	dry	0.1U	0.2U	dry	dry	0.1U	0.1U	dry	<0.2U	dry	<0.2U

Creek Sample ID	Jun 2013	Sept 2013
GPW-1	dry	Samples at Lab, Data not yet Available
GPW-3	dry	
HBW-1	<0.2U	
HBW-7	<0.2U	
HBW-10	<0.2U	

Notes:
Perchlorate Screening Criteria - TCEQ GW_{Ing} (mg/L) $5.1E^{-02}$




Caddo Lake
GPW-3
GPW-1
Goose Prairie Creek
Central Creek
HBW-7
HBW-1
HBW-10
Sounders Branch
Harrison Bayou
0
1,750
3,500
7,000
Feet
Legend
Surface Water Sampling Location
Stream
Road
Site
Lake
U.S. ARMY CORPS OF ENGINEERS
TULSA DISTRICT
TULSA, OKLAHOMA
SURFACE WATER SAMPLING LOCATION
LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS

Sustainable Solutions to Environmental Challenges

LHAAP (35B)37

Using the TMD Technologies Group, LLC Patented ISBR Technology

RAB Meeting

November 14, 2013

121-B Venture Blvd.
Spartanburg, SC 29306
864.595.1204 P
864.592.1952 F

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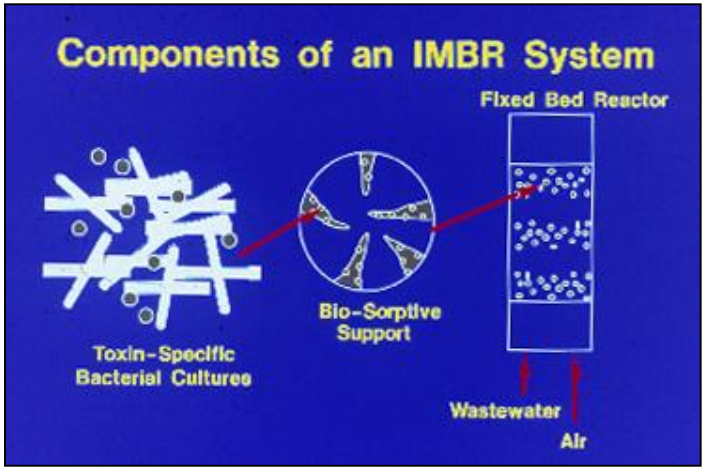
TMD Technologies Group

IMBR Technology

- Immobilized Microbe Biological Reactor (IMBR)
  - Series of tanks, pipes or baskets packed with media that deliver microbes directly to a contaminated waste stream.

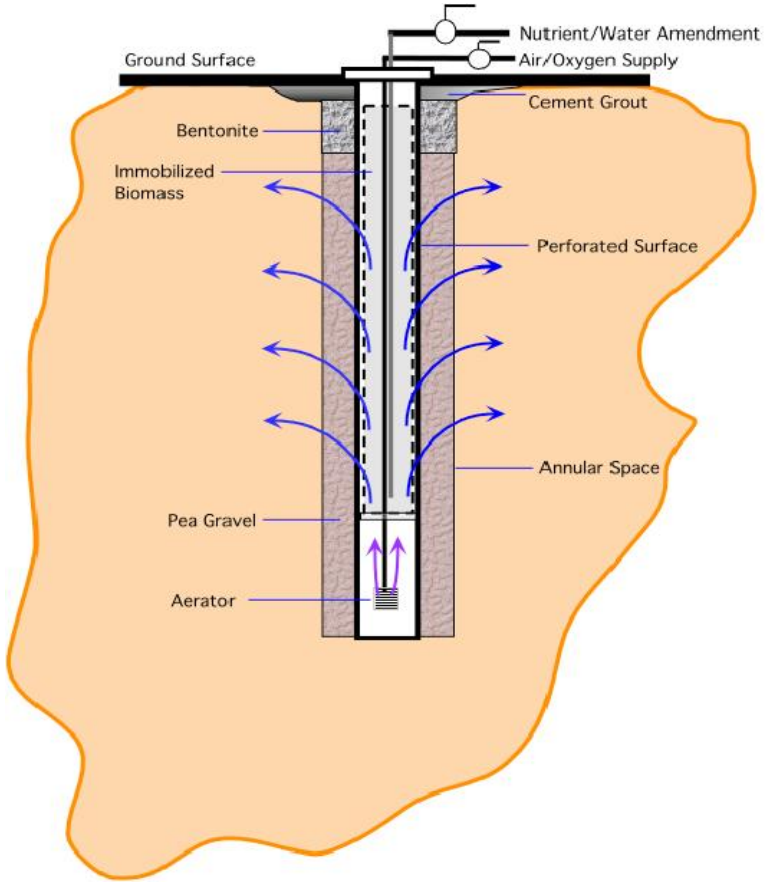
- Media
  - Uniquely developed biocarrier that allows microbes to live, regenerate and protect against toxic upset. Over $8m^2$ of surface area and 10^9 microbes per gram. Microorganisms are specifically chosen depending on the contaminant stream.



Unique Characteristics of the IMBR Technology:

- Employs in-situ utilization of patented Immobilized Microbe Bio Reactor (IMBR) system which includes permanently immobilized toxin-specific microorganisms onto inert porous structural support matrix.
- Requires no relocation/replacement of affected soils or groundwater, in-place treatment.
- Requires no excavation beyond drilling required to install Bio-Plug units.
- Employs sub-surface installation of immobilized surface bio-reactor system.
- Employs sub-surface constant delivery of water, which delivers the designed amounts of dissolved oxygen and site-specific nutrients to sustain and promote microbial growth, respiration and movement of selected organisms to the contaminants of concern.
- Establishes and sustains sub-surface aerobic conditions enabling contiguous bio-reactive remedial treatment zones for full coverage of targeted contaminated area.
- Establishes in-situ, continuous regeneration of contaminant-specific microorganisms.
- Avoids decomposition of targeted organic contaminant compounds into toxic daughter compounds, i.e., achieve substantially complete mineralization.
- Causes minimal, or zero, displacement of targeted contaminants outside of treatment / containment area.
- Groundwater is used as mobile phase of in-situ remediation of soil/sediment in the system.

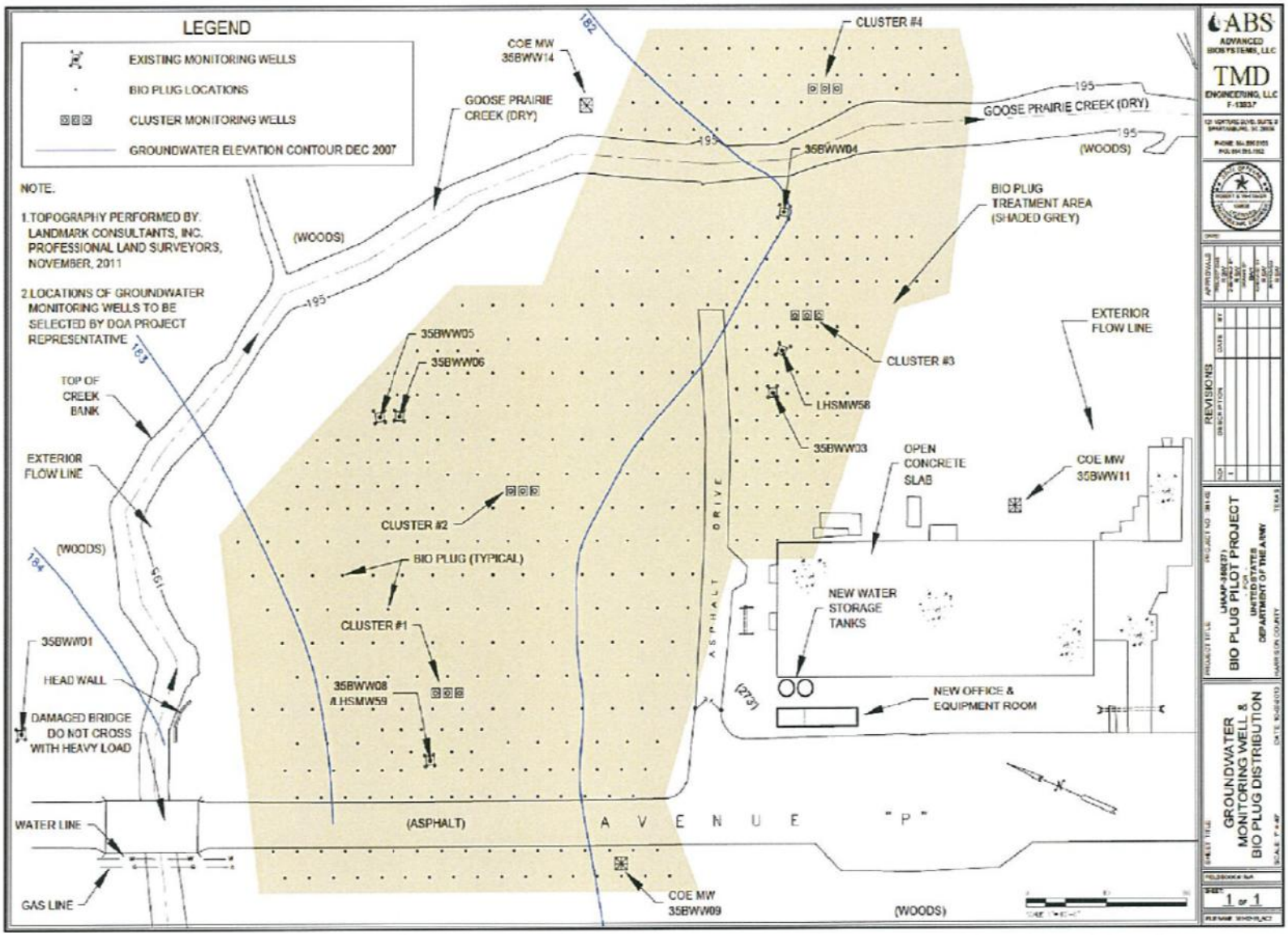
Cross-Section of the Bio Plug



LHAAP (35B)37
Karnack, TX

- A pilot-scale field test of the bio plug technology was initiated at a chlorinated organic contaminated groundwater remediation site at the former Longhorn Army Ammunition Plant (LHAAP) in Karnack, TX.
- LHAAP-35B(37) is the location of a former chemical laboratory built in the mid-1950's to support propellant production activities at LHAAP.
- Industrial solid wastes and possibly hazardous wastes were generated at the site. In addition, one wash rack sump was located on the site. The primary groundwater contaminants of concern are tetrachlorothene (PCE) and trichloroethene (TCE).
- The ABS technology was employed as a pilot-scale field test at LHAAP. System operation was initialized and stabilized in October 2012.

The following figure depicts the locations of the bio plugs within the estimated contaminant plume, as well as, the bioreactor support equipment (i.e. zone distribution sheds, nutrient mixing equipment, etc.), monitoring well clusters between the bio plug arrays, and existing site monitoring wells.


LEGEND
EXISTING MONITORING WELLS
BIO PLUG LOCATIONS
CLUSTER MONITORING WELLS
GROUNDWATER ELEVATION CONTOUR DEC 2007
NOTE.
1.TOPOGRAPHY PERFORMED BY: LANDMARK CONSULTANTS, INC. PROFESSIONAL LAND SURVEYORS, NOVEMBER, 2011
2.LOCATIONS OF GROUNDWATER MONITORING WELLS TO BE SELECTED BY DOA PROJECT REPRESENTATIVE
COE MW 35BWW14
GOOSE PRAIRIE CREEK (DRY)
CLUSTER #4
35BWW04
BIO PLUG TREATMENT AREA (SHADED GREY)
(WOODS)
35BWW05
35BWW06
CLUSTER #3
LHSMW58
35BWW03
EXTERIOR FLOW LINE
TOP OF CREEK BANK
OPEN CONCRETE SLAB
COE MW 35BWW11
CLUSTER #2
BIO PLUG (TYPICAL)
ASPHALT DRIVE
NEW WATER STORAGE TANKS
CLUSTER #1
35BWW01
HEAD WALL
35BWW08 /LHSMW59
DAMAGED BRIDGE DO NOT CROSS WITH HEAVY LOAD
NEW OFFICE & EQUIPMENT ROOM
WATER LINE
(ASPHALT)
AVENUE "P"
GAS LINE
COE MW 35BWW09
(WOODS)
ABS
ADVANCED BIOSYSTEMS, LLC
TMD
ENGINEERING, LLC
REVISIONS
BIO PLUG PILOT PROJECT
FOR
UNITED STATES DEPARTMENT OF THE ARMY
GROUNDWATER MONITORING WELL & BIO PLUG DISTRIBUTION
1 of 1

ATC Interim Report Findings

- After approximately 11 months of operation the bio plug system appears to be increasing the rate of bioremediation within some areas of the test site.
- The fourth quarter (Sep 2013) TCE concentrations in MW 1-1 and MW 1-2 indicate a significant reduction in TCE contaminate levels (approximately 70 to 90 percent reduction in TCE concentrations compared to baseline concentrations).
- With the exception of the area between cluster well groups 2 and 3 where there is apparently stagnant groundwater flow, bio plug system operation is expected to continue to increase the rate of bioremediation within the test area.

Monitoring and Cluster Well Data

PCE DATA (µg/L)

Well ID	Jul-12	Jun-13	Sep-13
35BWW01	ND	NS	NS
35BWW02	NS	NS	NS
35BWW03	ND	ND	NS
35BWW04	48.90	50.60	68.80
35BWW05	1.09	1.23	1.56
35BWW06	ND	NS	NS
35BWW07	ND	NS	ND
35BWW08	ND	ND	ND
35BWW09	ND	ND	ND
35BWW11	ND	NS	ND
35BWW14	21.00	24.00	26.80
LHS-MW-58	36.30	25.80	29.00
MW 1-1	ND	ND	ND
MW 1-2	ND	ND	ND
MW 1-3	ND	NS	NS
MW 2-1	2.65	2.84	1.67
MW 2-2	ND	ND	ND
MW 2-3	ND	ND	ND
MW 3-1	30.10	18.70	18.70
MW 3-2	41.80	37.90	40.10
MW 3-3	60.50	40.50	36.20
MW 4-1	20.10	24.20	24.90
MW 4-2	9.60	8.25	8.76
MW 4-3	18.80	5.87	6.18

TCE DATA (µg/L)

Well ID	Jul-12	Jun-13	Sep-13
35BWW01	ND	NS	NS
35BWW02	NS	NS	NS
35BWW03	ND	ND	NS
35BWW04	8.09	11.40	13.40
35BWW05	13.50	18.80	17.30
35BWW06	ND	NS	NS
35BWW07	ND	NS	ND
35BWW08	65.70	67.50	49.6
35BWW09	55.60	43.90	53.6
35BWW11	ND	NS	ND
35BWW14	80.60	90.90	89.70
LHS-MW-58	5.17	5.02	4.99
MW 1-1	16.80	22.1	4.83
MW 1-2	8.66	9.13	0.817
MW 1-3	2.80	NS	NS
MW 2-1	4.59	3.35	2.15
MW 2-2	0.27	0.320	ND
MW 2-3	1.44	0.840	0.289
MW 3-1	2.42	2.02	2.05
MW 3-2	3.07	2.71	3.02
MW 3-3	5.99	7.64	5.50
MW 4-1	3.63	5.32	5.48
MW 4-2	4.21	4.53	6.14
MW 4-3	13.50	4.97	5.53

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ABS Groundwater Flow Findings

- There remain unknown hydrogeological conditions affecting the movement of groundwater through the project site. The mean horizontal hydraulic gradient varies from 0.00019 ft/ft to 0.0034 ft/ft.
- The general porosity soils used in the calculation of velocity is 30%.
- The horizontal velocity component of the ground water movement varies from near zero feet per day between well clusters 2 and 3 to a maximum of 0.0222 feet per day between monitoring well Cluster No 1 and Cluster No 2.
- A general direction of flow to the north for the upper portion of the site and a more easterly direction at the lower portion of the site.

Estimated Groundwater Movement

Table 5

Distance of Groundwater Movement

October 22, 2012 through June 13, 2013

Number Of Days	Cluster 1 to 2 (ft/)	Cluster 1 to 3 (ft)	Cluster 1 to 4 (ft)	Cluster 2 to 3 (ft)	Cluster 2 to 4 (ft)	Cluster 3 to 4 (ft)
234	5.73	2.57	2.95	-0.23	1.19	2.71
365*	8.94	4.01	4.60	-.32	1.86	4.23

* Indicates projected distances per year

Technology-driven, cost-effective biological solutions to challenges facing our global community.

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Subject:	**Final Minutes, Monthly Managers Meeting, Longhorn Army Ammunition Plant (LHAAP)**
Location of Meeting:	**Teleconference – 866-203-6896, passcode 1759304791**
Date of Meeting:	**December 10, 2013 – 9:00 AM**

Welcome **RMZ**

Attendees:

Army BRAC:	Rose Zeiler
EPA:	Rich Mayer, Phil Turner, Kent Becher-USGS liaison to EPA
TCEQ:	April Palmie, Dale Vodak
USACE:	Aaron Williams
AECOM:	Gretchen McDonnell, Josh Miller, Dave Wacker
AEC:	Marilyn Plitnik

Action Items

AECOM

- Provide a summary of the treated water nutrient data, after fluidized bed reactor feeding optimization has been implemented. **Pending.** System is being equalized after acetic acid quality issues, causing a delay in full implementation of optimization activities.
- Develop a letter responsive to stated aspects of modifications to the GWTP air sampling plan. The letter should provide basis of change from weekly to monthly sampling. It should also state that monthly data will be presented in the quarterly GWTP reports, but that an email notification will be made monthly (before the subsequent sampling event) to indicate that data has been reviewed and provide a summary statement of the results. The letter include a contingency plan for confirmation sampling if initial sampling indicates air limits have been exceeded. **Pending.**
- Provide USFWS with maps of well coordinates for existing and new wells at all sites under AECOM's contract. **Pending.**
- Include all GWTP air monitoring data in quarterly reports, starting with the Q3 2013 report. **Complete.**
- Provide borehole logs for wells recently installed at LHAAP-35B(37) for transmittal to Aberdeen Testing Center. **Complete.**

Army

-
- Provide USFWS with map of well coordinates for new wells (specifically, LHAAP-35B(37), LHAAP-35A(58), LHAAP-46, LHAAP-50 and LHAAP-67) and existing wells on transferred properties. **Pending.**

EPA

TCEQ

AEC

Defense Environmental Restoration Program (DERP) PBR Update AECOM

- Upcoming document submissions to regulators (see Document and Issue Tracking table)

Item 1 (5-Year Review) – EPA's comments have been received and RTCs are being developed. Mr. Williams advised Mr. Mayer that a discussion proposed for clarification on EPA's comments was determined not necessary. Army will determine when RTCs will be submitted and develop a tentative schedule for completion of the document.

Item 2 (IWWP, QAPP, SOPs and HASP) – RTCs are being wrapped up and should be completed by the end of next week.

Item 3 (LHAAP-18/24 Explanation of Significant Differences) – Document is in Army review and should be submitted shortly.

Item 4 (GWTP Quarterly Report) – Mr. Mayer stated EPA may not submit comments on the 1st and 2nd quarter 2013 reports, in favor of more focused review of the 3rd quarter 2013 report.

Item 5 (LHAAP-18/24 Revised FS) – Document is in process. Army reminded EPA and TCEQ that if they wanted any additional technologies in the draft FS, they should send them in by the end of the week. Army agreed to provide to the agencies tomorrow the list of the technologies included in the current FS as well as a draft list of technologies planned for evaluation. The Army Center of Excellence will also have an opportunity to suggest other technologies during their review of the document.

Item 6 (LHAAP-46, 67 RACR) – Documents in progress. Planned for submittal to agencies by the end of January. An additional well at LHAAP-46 will be installed concurrent with the LHAAP-29 field work mobilization, tentatively scheduled for February 2014.

Item 7 (Monthly Managers' Meeting) – Scheduled for January 9th at 9AM, by teleconference. Mr. Mayer asked if AECOM would be conducting any field activities over the next couple of months to which Ms. McDonnell responded that only limited surveying was scheduled.

Item 8 (LHAAP-37, 50 and 58) – RACR documents being generated and investigation-derived waste disposal being coordinated.

Item 9 (LHAAP-29 RI/FS Addendum WP) – Document is undergoing final modifications and is planned for submittal to agencies shortly. Ms. Zeiler suggested that, upon receipt of the document, the agencies request an extension of the requested review timeframe if necessary. The document tracker states the document is planned for submittal to the agencies on January 6, 2014, but Army hopes to submit sooner.

Items 10 and 11 (LHAAP-17 PDI WP and LHAAP-16 RD WP) – These items are on hold based on current Army direction that work cannot proceed without a final ROD in place.

Mr. Wacker joined the teleconference.

Item 12 (LHAAP-03 ROD) – Comments on this document fall into three categories: technical, "legal - on process", and dispute-related. EPA is currently reviewing Army RTCs on technical

comments. Army responses on EPAs "legal - on process" comments are still being formulated. As well, dispute-related comments will not be resolved until outcome of the dispute is finalized.

Mr. Mayer stated that one of the primary issues relates to there being no requirement in the LHAAP-03 ROD for monitoring of arsenic in groundwater. Ms. Palmie stated that it makes more sense to address any potential groundwater issue at LHAAP-03 within the LHAAP-58 ROD, and move forward separately with LHAAP-03 as a soil issue. Specifically, Ms. Palmie suggested that we first determine definitely whether arsenic is a concern and, if it is, add an arsenic monitoring provision to the LHAAP-58 ROD via Explanation of Significant Differences.

Because the review of this document is very far behind schedule, Army will be submitting the ROD to EPA in Draft Final format, unless EPA submits a formal schedule extension request immediately. Mr. Mayer stated he would speak to his team at EPA and get back to Ms. Zeiler tomorrow on whether they plan to submit an extension request. Ms. Zeiler stated she would wait until tomorrow to send the Draft Final document, pending Mr. Mayer's advice.

Item 13 (November RAB) – November RAB minutes are in Army review. Next RAB meeting planned for February 20th at 6PM.

Item 14 (GWTP O&M/Air Monitoring) – FBR is being monitored closely and allowed to reequilibrate after acetic acid issue, delaying full implementation of FBR feeding optimization activities. The vendor who provided the problematic acetic acid is no longer being used as a supplier.

Item 15 (Admin Record Update) – 3rd quarter update being prepared and should be submitted soon.

Item 16 (BERA Addendum) – Contractor is currently validating data. Army will likely be reviewing a draft addendum this month.

Item 17 (Nutrient Issue for HB and INF) – discussed previously during the meeting.

Other Environmental Restoration **Army**

- Decision Documents for multiple sites – discussed individually during the DERP PBR update portion of the meeting.
- Site 37 Bioplug – No update.
- 1,4-dioxane sampling at Longhorn - Mr. Mayer stated he would try to schedule a call between Army, AECOM and EPA before the end of next week to discuss 1,4-dioxane analytical methods.
- Quarterly Reporting and Requirements – items below discussed individually during the DERP PBR update portion of the meeting.
    - GWTP Evaluation with air monitoring data
    - Administrative Record Update

Programmatic Issues **RMZ/RM/AP**

- Status of Dispute – Neither Army nor EPA had any significant update. Ms. Palmie asked if the Five-Year Review can be finalized given that many of EPAs comments were dispute-related. Ms. Zeiler stated that the Five-Year Review report is Army's statement of protectiveness on sites with RODs in place. Therefore, the dispute-related comments are not applicable to the Five-Year Review.

USFWS Update **RMZ/PB**

- LHAAP-12 Transfer Update: LHAAP-12 will be transferred fairly soon, potentially in January 2014. USFWS has opted not to enter into a maintenance services agreement with Army on transfer parcels that contain environmental sites with ongoing maintenance requirements. , The Army will continue to perform that work under environmental contracts. Regarding the Environmental Protection Provisions for Site 12 which include a statement about USFWS conducting those activities, Army does not plan to publish a notice of this change, because the maintenance requirements are set forth clearly in the RD Addendum for Site 12.

  USFWS will, however, provide the annual certification (and conduct the associated annual inspection) stating that improper land uses have not been allowed. The annual certification documents will be maintained by USFWS at their facility offices and Army will append them to the Five-Year Review reports. If the agencies would like copies of the certifications prior to receiving them as part of the Five-Year Review, it will be provided upon request.

Schedule Next Managers' Meeting – Scheduled for January 9, 2014 at 9AM, by teleconference.

Adjourn

Attachment: LHAAP Data Validated November – December 2013
-GWTP Air and Effluent
-LHAAP-35B(37) Baseline MNA Groundwater Event
-LHAAP-50 Baseline MNA Groundwater Event
-LHAAP-35A(58) Baseline MNA Groundwater Event
-LHAAP-67 Quarterly MNA Groundwater Event

ACRONYM LIST

AEC	**United States Army Environmental Command**
AECOM	**AECOM Technology Services, Inc.**
AP	**April Palmie**
BERA	**Baseline Ecological Risk Assessment**
BRAC	**Base Realignment and Closure**
DERP	**Defense Environmental Restoration Program**
EPA	**United States Environmental Protection Agency**
FBR	**Fluidized Bed Reactor**
FS	**Feasibility Study**
GWTP	**Ground Water Treatment Plant**
HASP	**Health and Safety Plan**
HB	**Harrison Bayou**
INF	**Intermediate-Range Nuclear Forces**
IWWP	**Installation-Wide Work Plan**
LHAAP	**Longhorn Army Ammunition Plant**
MMM	**Monthly Managers' Meeting**
MNA	**Monitored Natural Attenuation**
O&M	**Operation and Maintenance**
PB	**Paul Bruckwicki**
PBR	**Performance-Based Remediation**
PDI	**Predesign Investigation**

Q3	**Third Quarter**
QAPP	**Quality Assurance Project Plan**
RAB	**Restoration Advisory Board**
RACR	**Remedial Action Completion Report**
RD	**Remedial Design**
RI	**Remedial Investigation**
RM	**Rich Mayer**
RMZ	**Rose M. Zeiler**
ROD	**Record of Decision**
RTC	**Response to Comments**
SOP	**Standard Operating Procedure**
TCEQ	**Texas Commission on Environmental Quality**
USACE	**United States Army Corps of Engineers**
USFWS	**United States Fish and Wildlife Service**
WP	**Work Plan**

Location ID: / Sample Date:	Units	LH18/24-SP140-7123-GRAB 10/10/2013	LH18/24-SP140-7129-GRAB 11/5/2013	LH18/24-SP650-6123-GRAB 10/10/2013	LH18/24-SP650-6124-GRAB 10/10/2013	LH18/24-SP650-6125-COMP 10/17/2013	LH18/24-SP650-6125-GRAB 10/17/2013	LH18/24-SP650-6127-GRAB 10/21/2013
ID Location:		GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary. Sampled monthly	GWTP – Sample location is dependent on wind direction and is collected downwind at designated locations at the Army-owned property boundary. Sampled monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled weekly	GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours. Sampled bi-weekly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled bi-weekly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled weekly
Ammonia (350.1)								
AMMONIA AS N	mg/L	N/A	N/A	N/A	0.91	N/A	N/A	1.66
Ortho-Phosphate (365.2)								
ORTHO-PHOSPHATE	mg/L	N/A	N/A	N/A	1.74	N/A	N/A	2.02
Total Organic Carbon (415.1)								
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	50	N/A	N/A	101
Metals (6010C)								
ALUMINUM	mg/L	N/A	N/A	0.33	N/A	N/A	N/A	N/A
IRON	mg/L	N/A	N/A	3.53	N/A	N/A	N/A	N/A
SELENIUM	mg/L	N/A	N/A	<0.01 UJ	N/A	<0.01 U	<0.01 U	N/A
Metals (6020A)								
ANTIMONY	mg/L	N/A	N/A	0.00123 J	N/A	N/A	N/A	N/A
ARSENIC	mg/L	N/A	N/A	0.00144 J	N/A	N/A	N/A	N/A
BARIUM	mg/L	N/A	N/A	0.406	N/A	N/A	N/A	N/A
CADMIUM	mg/L	N/A	N/A	<0.0006 U	N/A	N/A	N/A	N/A
CHROMIUM	mg/L	N/A	N/A	0.052	N/A	N/A	N/A	N/A
COBALT	mg/L	N/A	N/A	0.0189	N/A	N/A	N/A	N/A
LEAD	mg/L	N/A	N/A	0.000781 J	N/A	<0.001 U	<0.001 U	N/A
MANGANESE	mg/L	N/A	N/A	0.297	N/A	N/A	N/A	N/A
NICKEL	mg/L	N/A	N/A	0.167	N/A	N/A	N/A	N/A
SILVER	mg/L	N/A	N/A	<0.001 U	N/A	<0.001 U	<0.001 U	N/A
THALLIUM	mg/L	N/A	N/A	0.000113 J	N/A	N/A	N/A	N/A
VANADIUM	mg/L	N/A	N/A	0.00503	N/A	N/A	N/A	N/A
ZINC	mg/L	N/A	N/A	0.819	N/A	N/A	N/A	N/A
Perchlorate (6850)								
PERCHLORATE	ug/L	9650	12800	N/A	11000	9200	9400	9870
CR-6 (7196A)								
HEXAVALENT CHROMIUM	mg/L	N/A	N/A	N/A	N/A	<0.01 UJ	<0.01 UJ	N/A
Volatile Organic Compounds (8260B)								
1,1,1,2-TETRACHLOROETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,1,1-TRICHLOROETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
1,1,2-TRICHLOROETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,1-DICHLOROETHANE	ug/L	<12.5 U	4.5 UJ	N/A	N/A	N/A	<0.25 U	N/A
1,1-DICHLOROETHENE	ug/L	120	<25 UJ	N/A	N/A	N/A	<1 U	N/A
1,1-DICHLOROPROPENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,2,3-TRICHLOROBENZENE	ug/L	<15 U	<15 U	N/A	N/A	N/A	<0.3 U	N/A
1,2,3-TRICHLOROPROPANE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
1,2,4-TRICHLOROBENZENE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<100 U	<100 U	N/A	N/A	N/A	<2 UJ	N/A
1,2-DIBROMOETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,2-DICHLOROBENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
1,2-DICHLOROETHANE	ug/L	<25 U	44.1	N/A	N/A	N/A	<0.5 U	N/A
1,2-DICHLOROPROPANE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,3-DICHLOROBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
1,3-DICHLOROPROPANE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
1,4-DICHLOROBENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
2,2-DICHLOROPROPANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
2-BUTANONE	ug/L	<250 U	<250 U	N/A	N/A	N/A	<10.0 UJ	N/A
2-CHLOROTOLUENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
2-HEXANONE	ug/L	<250 U	<250 U	N/A	N/A	N/A	<5 U	N/A
4-CHLOROTOLUENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
4-METHYL-2-PENTANONE	ug/L	<250 U	<250 U	N/A	N/A	N/A	<5 U	N/A
ACETONE	ug/L	<250 U	<250 U	N/A	N/A	N/A	26	N/A
BENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
BROMOBENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
BROMOCHLOROMETHANE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
BROMODICHLOROMETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
BROMOFORM	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
BROMOMETHANE	ug/L	<50 UJ	<50 UJ	N/A	N/A	N/A	<1 U	N/A
CARBON DISULFIDE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
CARBON TETRACHLORIDE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
CHLOROBENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
CHLOROETHANE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
CHLOROFORM	ug/L	20.8 J	<25 UJ	N/A	N/A	N/A	<0.25 U	N/A
CHLOROMETHANE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
CIS-1,2-DICHLOROETHENE	ug/L	5080	1760	N/A	N/A	N/A	1.5	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
DIBROMOCHLOROMETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
DIBROMOMETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
DICHLORODIFLUOROMETHANE	ug/L	<25 UJ	<25 UJ	N/A	N/A	N/A	<0.5 U	N/A
ETHYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
HEXACHLOROBUTADIENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
ISOPROPYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
M,P-XYLENE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
METHYLENE CHLORIDE	ug/L	<25 U	<25 UJ	N/A	N/A	N/A	<0.5 U	N/A
NAPHTHALENE	ug/L	<20 U	<20 U	N/A	N/A	N/A	<0.4 U	N/A
N-BUTYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
N-PROPYLBENZENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
O-XYLENE	ug/L	<25 UJ	<25 UJ	N/A	N/A	N/A	<0.5 U	N/A
P-ISOPROPYLTOLUENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
SEC-BUTYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
STYRENE	ug/L	<12.5 U	<12.5 U	N/A	N/A	N/A	<0.25 U	N/A
TERT-BUTYLBENZENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
TETRACHLOROETHENE	ug/L	48.1 J	<25 UJ	N/A	N/A	N/A	<0.5 U	N/A
TOLUENE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	19.2 J	<25 UJ	N/A	N/A	N/A	<0.5 U	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	<50 U	<50 U	N/A	N/A	N/A	<1 U	N/A
TRICHLOROETHENE	ug/L	8680	4870	N/A	N/A	N/A	1.71	N/A
TRICHLOROFLUOROMETHANE	ug/L	<25 U	<25 U	N/A	N/A	N/A	<0.5 U	N/A
VINYL CHLORIDE	ug/L	25 J	<25 UJ	N/A	N/A	N/A	1.02	N/A
Inorganic Anions (9056)								
CHLORIDE	mg/L	N/A	N/A	N/A	N/A	909	1030	N/A
SULFATE	mg/L	N/A	N/A	N/A	N/A	212	213	N/A

N/A - Not Analyzed

Location ID: / Sample Date:	Units	LH18/24-SP650-6128-COMP 10/28/2013	LH18/24-SP650-6128-GRAB 10/28/2013	LH18/24-SP650-6129-GRAB 11/5/2013	LH18/24-SP650-6130-GRAB 11/5/2013
ID Location:		GWTP – Collected from holding jar which collects the discharge from a spigot on effluent TK-650 every couple of hours Sampled Biweekly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled bi-weekly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled monthly	GWTP – Collected from a spigot on the discharge of effluent TK-650. Sampled weekly
Ammonia (350.1)					
AMMONIA AS N	mg/L	N/A	N/A	N/A	2.34
Ortho-Phosphate (365.2)					
ORTHO-PHOSPHATE	mg/L	N/A	N/A	N/A	1.78
Total Organic Carbon (415.1)					
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	89.8
Metals (6010C)					
ALUMINUM	mg/L	N/A	N/A	<0.200 UJ	N/A
IRON	mg/L	N/A	N/A	0.527	N/A
SELENIUM	mg/L	<0.01 U	<0.01 U	<0.0200 U	N/A
Metals (6020A)					
ANTIMONY	mg/L	N/A	N/A	0.00298	N/A
ARSENIC	mg/L	N/A	N/A	0.00492	N/A
BARIUM	mg/L	N/A	N/A	0.172	N/A
CADMIUM	mg/L	N/A	N/A	<0.00120 UJ	N/A
CHROMIUM	mg/L	N/A	N/A	0.0155	N/A
COBALT	mg/L	N/A	N/A	0.0115	N/A
LEAD	mg/L	<0.00200 UJ	<0.001 U	<0.00200 U	N/A
MANGANESE	mg/L	N/A	N/A	0.1	N/A
NICKEL	mg/L	N/A	N/A	0.11	N/A
SILVER	mg/L	<0.001 U	<0.001 U	<0.00200 U	N/A
THALLIUM	mg/L	N/A	N/A	<0.00040 U	N/A
VANADIUM	mg/L	N/A	N/A	<0.00200 UJ	N/A
ZINC	mg/L	N/A	N/A	0.301	N/A
Perchlorate (6850)					
PERCHLORATE	ug/L	13600	13700	N/A	11000
CR-6 (7196A)					
HEXAVALENT CHROMIUM	mg/L	<0.01 UJ	<0.01 U	N/A	N/A
Volatile Organic Compounds (8260B)					
1,1,1,2-TETRACHLOROETHANE	ug/L	N/A	<0.5 U	N/A	N/A
1,1,1-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	ug/L	N/A	<0.4 U	N/A	N/A
1,1,2-TRICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	N/A
1,1-DICHLOROETHANE	ug/L	N/A	<0.25 U	N/A	N/A
1,1-DICHLOROETHENE	ug/L	N/A	<1 U	N/A	N/A
1,1-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	N/A
1,2,3-TRICHLOROBENZENE	ug/L	N/A	<0.3 U	N/A	N/A
1,2,3-TRICHLOROPROPANE	ug/L	N/A	<1 U	N/A	N/A
1,2,4-TRICHLOROBENZENE	ug/L	N/A	<0.4 U	N/A	N/A
1,2,4-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	N/A	<2 U	N/A	N/A
1,2-DIBROMOETHANE	ug/L	N/A	<0.5 U	N/A	N/A
1,2-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	N/A
1,2-DICHLOROETHANE	ug/L	N/A	<0.5 U	N/A	N/A
1,2-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	N/A
1,3,5-TRIMETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
1,3-DICHLOROBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
1,3-DICHLOROPROPANE	ug/L	N/A	<0.4 U	N/A	N/A
1,4-DICHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	N/A
2,2-DICHLOROPROPANE	ug/L	N/A	<0.5 U	N/A	N/A
2-BUTANONE	ug/L	N/A	<5 U	N/A	N/A
2-CHLOROTOLUENE	ug/L	N/A	<0.25 U	N/A	N/A
2-HEXANONE	ug/L	N/A	<5 U	N/A	N/A
4-CHLOROTOLUENE	ug/L	N/A	<0.5 U	N/A	N/A
4-METHYL-2-PENTANONE	ug/L	N/A	<5 U	N/A	N/A
ACETONE	ug/L	N/A	<10.00 UJ	N/A	N/A
BENZENE	ug/L	N/A	<0.25 U	N/A	N/A
BROMOBENZENE	ug/L	N/A	<0.25 U	N/A	N/A
BROMOCHLOROMETHANE	ug/L	N/A	<0.4 U	N/A	N/A
BROMODICHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	N/A
BROMOFORM	ug/L	N/A	<1 U	N/A	N/A
BROMOMETHANE	ug/L	N/A	<1 U	N/A	N/A
CARBON DISULFIDE	ug/L	N/A	<1 U	N/A	N/A
CARBON TETRACHLORIDE	ug/L	N/A	<0.5 U	N/A	N/A
CHLOROBENZENE	ug/L	N/A	<0.25 U	N/A	N/A
CHLOROETHANE	ug/L	N/A	<1 U	N/A	N/A
CHLOROFORM	ug/L	N/A	<0.25 U	N/A	N/A
CHLOROMETHANE	ug/L	N/A	<1 U	N/A	N/A
CIS-1,2-DICHLOROETHENE	ug/L	N/A	1.72	N/A	N/A
CIS-1,3-DICHLOROPROPENE	ug/L	N/A	<0.5 U	N/A	N/A
DIBROMOCHLOROMETHANE	ug/L	N/A	<0.5 U	N/A	N/A
DIBROMOMETHANE	ug/L	N/A	<0.5 U	N/A	N/A
DICHLORODIFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	N/A
ETHYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
HEXACHLOROBUTADIENE	ug/L	N/A	<0.5 U	N/A	N/A
ISOPROPYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
M,P-XYLENE	ug/L	N/A	<1 U	N/A	N/A
METHYLENE CHLORIDE	ug/L	N/A	<0.5 U	N/A	N/A
NAPHTHALENE	ug/L	N/A	<0.4 U	N/A	N/A
N-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
N-PROPYLBENZENE	ug/L	N/A	<0.25 U	N/A	N/A
O-XYLENE	ug/L	N/A	<0.5 U	N/A	N/A
P-ISOPROPYLTOLUENE	ug/L	N/A	<0.5 U	N/A	N/A
SEC-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
STYRENE	ug/L	N/A	<0.25 U	N/A	N/A
TERT-BUTYLBENZENE	ug/L	N/A	<0.5 U	N/A	N/A
TETRACHLOROETHENE	ug/L	N/A	<0.5 U	N/A	N/A
TOLUENE	ug/L	N/A	<0.5 U	N/A	N/A
TRANS-1,2-DICHLOROETHENE	ug/L	N/A	<0.5 U	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	ug/L	N/A	<1 U	N/A	N/A
TRICHLOROETHENE	ug/L	N/A	2.43	N/A	N/A
TRICHLOROFLUOROMETHANE	ug/L	N/A	<0.5 U	N/A	N/A
VINYL CHLORIDE	ug/L	N/A	<1.00 UJ	N/A	N/A
Inorganic Anions (9056)					
CHLORIDE	mg/L	759	668	N/A	N/A
SULFATE	mg/L	192	173	N/A	N/A

N/A - Not Analyzed

Location ID: / Sample Date:	Units	35BSW01-101713 10/17/2013	35BSW02-101713 10/17/2013	35BWW03-100513 10/5/2013	35BWW04-100313 10/3/2013	35BWW05-100413 10/4/2013	35BWW06-100413 10/4/2013	35BWW07-100513 10/5/2013	35BWW08-100913 10/9/2013
ID Location:		Site 37 - NW, inside the site boundary, within the LUC boundary, outer region. Sampled quarterly	Site 37 - NE, outside the site and LUC boundary. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, center region. Sampled quarterly	Site 37 - N, inside the site boundary, within the LUC boundary, beside Goose Prairie Creek, center region. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, middle region. Sampled quarterly	Site 37 - WNW, outside the site boundary, within the LUC boundary. Sampled quarterly	Site 37 - NE, outside the site and LUC boundary, near the surrounding road. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, middle region. Sampled quarterly
Sulfide (376.1)									
SULFIDE	mg/L	NA	NA	NA	<1 U	NA	NA	NA	<1 U
Total Organic Carbon (415.1)									
TOTAL INORGANIC CARBON (TIC)	mg/L	NA	NA	NA	8.4	NA	NA	NA	28.7
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	2.01	NA	NA	NA	4.19
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	1.04 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	2.3 J	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 UJ	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 UJ	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	0.34 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	2.63 J	3.3 J	<5 U	<5 UJ	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	0.178 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	0.524 J
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	0.673 J	0.295 J	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	66.5 J	1.57	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	0.326 J	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	11.4 J	14	<0.5 U	<0.5 U	43.8
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	11	NA	NA	NA	71.5
NITRATE	mg/L	NA	NA	NA	1.06	NA	NA	NA	2.3
NITRITE	mg/L	NA	NA	NA	<0.2 U	NA	NA	NA	<0.2 U
SULFATE	mg/L	NA	NA	NA	41.6	NA	NA	NA	115
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NA	NA	NA	<2 U	NA	NA	NA	<2 U
ETHENE	ug/L	NA	NA	NA	<2 U	NA	NA	NA	<2 U
METHANE	ug/L	NA	NA	NA	<2 U	NA	NA	NA	<2 U
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	NA	NA	NA	<0.04 U	NA	NA	NA	<0.04 U
Dechlorinating Bacteria									
DEHALOCOCCOIDES	cells/mL	NA	NA	NA	<0.5	NA	NA	NA	7.1
TCEA REDUCTASE	cells/mL	NA	NA	NA	<0.5	NA	NA	NA	<0.5
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	<0.5	NA	NA	NA	<0.5
VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	<0.5	NA	NA	NA	<0.5

NA - not analyzed

Location ID: / Sample Date:	Units	35BWW09-100813 10/8/2013	35BWW10-100413 10/4/2013	35BWW10FD-100413 10/4/2013	35BWW11-100813 10/8/2013	35BWW12-100313 10/3/2013	35BWW13-100713 10/7/2013	35BWW14-100913 10/9/2013	35BWW16-100713 10/7/2013
ID Location:		Site 37 - WNW, outside the site boundary, within the LUC boundary, near the surrounding road. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, middle region. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, middle region. Dup, sampled quarterly	Site 37 - W, outside the site boundary, within the LUC boundary, beside Building 29-A, center region. Sampled quarterly	Site 37 - N, inside the site boundary, within the LUC boundary, beside Goose Prairie Creek, center region. Sampled quarterly	Site 37 - NE, just outside the site and LUC boundary. Sampled quarterly	Site 37 - N, inside the site boundary, within the LUC boundary, middle region. Sampled quarterly	Site 37 - N, just inside the site boundary, outside the LUC boundary, outer region. Sampled quarterly
Sulfide (376.1)									
SULFIDE	mg/L	NA	NA	NA	NA	<1 U	NA	<1 U	NA
Total Organic Carbon (415.1)									
TOTAL INORGANIC CARBON (TIC)	mg/L	NA	NA	NA	NA	14.9	NA	18.3	NA
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	NA	3.2	NA	3.84	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	5.6	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	57.2	0.865 J
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.429 J	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.216 J	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.215 J	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	0.129 J	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	0.529 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	14.3	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	4.45	4.52	0.252 J	15.3	4.14	19	0.447 J
TOLUENE	ug/L	<0.5 U	0.354 J	0.268 J	<0.5 U	0.263 J	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.393 J	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	49	56.3	56.9	<0.5 U	2.04	1.84	82.8	2.57
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	5.09	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	10.5	NA	16.3	NA
NITRATE	mg/L	NA	NA	NA	NA	<0.2 U	NA	<0.2 U	NA
NITRITE	mg/L	NA	NA	NA	NA	<0.2 U	NA	<0.2 U	NA
SULFATE	mg/L	NA	NA	NA	NA	38.5	NA	59.5	NA
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NA	NA	NA	NA	<2 U	NA	<2 U	NA
ETHENE	ug/L	NA	NA	NA	NA	<2 U	NA	<2 U	NA
METHANE	ug/L	NA	NA	NA	NA	<2 U	NA	83.6	NA
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	NA	NA	NA	NA	<0.04 U	NA	<0.04 U	NA
Dechlorinating Bacteria									
DEHALOCOCCOIDES	cells/mL	NA	NA	NA	NA	<0.5	NA	0.3 J	NA
TCEA REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5	NA	<0.5	NA
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5	NA	<0.5	NA
VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5	NA	<0.5	NA

NA - not analyzed

Location ID: Sample Date:	Units	35BWW16FD-100713 10/7/2013	35BWW18-100213 10/2/2013	35BWW19-100713 10/7/2013	35BWW20-100413 10/4/2013	LHSMW58-100313 10/3/2013
ID Location:		Site 37 - WNW, outside the site boundary, within the LUC boundary. Dup, sampled quarterly	Site 37 - WNW, outside the site and LUC boundary. Sampled quarterly	Site 37 - W, outside the site and LUC boundary. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, beside Building 29-A, center region. Sampled quarterly	Site 37 - NW, inside the site boundary, within the LUC boundary, center region. Sampled quarterly
Sulfide (376.1)						
SULFIDE	mg/L	NA	NA	NA	NA	<1 U
Total Organic Carbon (415.1)						
TOTAL INORGANIC CARBON (TIC)	mg/L	NA	NA	NA	NA	53.9
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	NA	4.43
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	0.183 J	<0.25 U	<0.25 U	0.207 J
1,1-DICHLOROETHENE	ug/L	0.846 J	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	7.51 J	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	0.447 J	<0.5 U	<0.5 U	31.1	20.3
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	0.296 J	0.284 J
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	2.45	<0.5 U	<0.5 U	7.04	4.26
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)						
CHLORIDE	mg/L	NA	NA	NA	NA	9.83
NITRATE	mg/L	NA	NA	NA	NA	2.32
NITRITE	mg/L	NA	NA	NA	NA	<0.2 U
SULFATE	mg/L	NA	NA	NA	NA	34.9
Dissolved Gases (RSK-175)						
ETHANE	ug/L	NA	NA	NA	NA	<2 U
ETHENE	ug/L	NA	NA	NA	NA	<2 U
METHANE	ug/L	NA	NA	NA	NA	<2 U
Ferrous Iron (SM3500FE)						
FERROUS IRON	mg/L	NA	NA	NA	NA	<0.04 U
Dechlorinating Bacteria						
DEHALOCOCCOIDES	cells/mL	NA	NA	NA	NA	<0.5
TCEA REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5
VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	<0.5

NA - not analyzed

Location ID: / Sample Date:	Units	50WW06-102813 10/28/2013	50WW06F-102813 10/28/2013	50WW11-102813 10/28/2013	50WW11F-102813 10/28/2013	50WW12-102313 10/23/2013	50WW12F-102313 10/23/2013	50WW14-102813 10/28/2013	50WW14F-102813 10/28/2013
ID Location:		Site 50 - ENE, outside the site boundary. Sampled quarterly	Site 50 - ENE, outside the site boundary. Filtered, Sampled quarterly	Site 50 - ENE, outside the site boundary. Sampled quarterly	Site 50 - ENE, outside the site boundary. Filtered, Sampled quarterly	Site 50 - ENE, outside the site boundary. Sampled quarterly	Site 50 - ENE, outside the site boundary. Filtered, Sampled quarterly	Site 50 - E, outside the site boundary, right beside S. Crockett Ave. Sampled quarterly	Site 50 - E, outside the site boundary, right beside S. Crockett Ave. Filtered, Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	271	NA	315	NA	249	NA	300	NA
Phosphorus (365.4)									
PHOSPHORUS	mg/L	<0.2 U	NA	<0.2 U	NA	<0.2 U	NA	<0.2 U	NA
Sulfide (376.1)									
SULFIDE	mg/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	4.99	NA	9.51	NA	11.9	NA	5.16	NA
Metals (6010C)									
IRON	mg/L	NA	0.265	NA	0.11 J	NA	0.314	NA	8.67
Metals (6020A)									
MANGANESE	mg/L	NA	0.408	NA	0.419	NA	0.555	NA	1.05
Perchlorate (6850)									
PERCHLORATE	ug/L	670	NA	21700	NA	23600	NA	5.45	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	<0.25 U	NA	4.4	NA	<0.25 U	NA	0.253 J	NA
1,1-DICHLOROETHENE	ug/L	<1 U	NA	17.4	NA	<1 U	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	NA	<0.3 U	NA	<0.3 U	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	NA	<2 U	NA	<2 UJ	NA	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	<0.5 U	NA	15.2	NA	<0.5 U	NA	1.16	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	NA	<5 UJ	NA	<5 U	NA	<5 UJ	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	NA	<5 UJ	NA	<5 U	NA	<5 UJ	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<5 U	NA
ACETONE	ug/L	<5 U	NA	<5 U	NA	<5 U	NA	<5 U	NA
BENZENE	ug/L	<0.25 U	NA	0.31 J	NA	<0.25 U	NA	<0.25 U	NA
BROMOBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
BROMOFORM	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
BROMOMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
CARBON DISULFIDE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
CHLOROFORM	ug/L	<0.25 U	NA	0.942 J	NA	<0.25 U	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	0.994 J	NA	43.9	NA	<0.5 U	NA	6.52	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
M, P-XYLENE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
STYRENE	ug/L	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	<0.5 U	NA	2.76	NA	<0.5 U	NA	<0.5 U	NA
TOLUENE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	NA	1.24	NA	<0.5 U	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	NA	<1 U	NA	<1 U	NA	<1 U	NA
TRICHLOROETHENE	ug/L	20.9	NA	2750	NA	<0.5 U	NA	93.8	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
VINYL CHLORIDE	ug/L	<0.5 U	NA	1.95	NA	<0.5 U	NA	<0.5 U	NA
Inorganic Anions (9056)									
CHLORIDE	mg/L	201	NA	365	NA	1130	NA	346	NA
NITRATE	mg/L	<0.2 U	NA	<0.4 U	NA	<2 U	NA	<0.4 U	NA
NITRITE	mg/L	<0.2 U	NA	<0.4 U	NA	<2 U	NA	<0.4 U	NA
SULFATE	mg/L	72.5	NA	351	NA	569	NA	271	NA
Dissolved Gases (RSK-175)									
ETHANE	ug/L	<2 U	NA	<2 U	NA	<2 U	NA	5.1	NA
ETHENE	ug/L	<2 U	NA	<2 U	NA	<2 U	NA	6.56	NA
METHANE	ug/L	<2 UJ	NA	29.1	NA	<2 U	NA	<2 UJ	NA

NA - Not Analyzed

Location ID: / Sample Date:	Units	50WW15-102513 10/25/2013	50WW16-102513 10/25/2013	50WW17-102513 10/25/2013	50WW18-102313 10/23/2013	50WW18F-102313 10/23/2013	50WW21-102513 10/25/2013	50WW21FD-102513 10/25/2013	50WW22-102313 10/23/2013
ID Location:		Site 50 - NNE, outside the site boundary, alongside Goose Prairie Creek bridge. Sampled quarterly	Site 50 - NE, outside the site boundary, along Goose Prairie Creek. Sampled quarterly	Site 50 - NE, outside the site boundary, close to Goose Prairie Creek. Sampled quarterly	Site 50 - NE, outside the site boundary, along Goose Prairie Creek. Sampled quarterly	Site 50 - NE, outside the site boundary, along Goose Prairie Creek. Filtered, Sampled quarterly	Site 50 - E, outside the site boundary, beside S. Crockett Ave. Sampled quarterly	Site 50 - E, outside the site boundary, beside S. Crockett Ave. Dup, Sampled quarterly	Site 50 - E, outside, but close to, the site boundary. Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	NA	NA	NA	342	NA	NA	NA	376
Phosphorus (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	<0.2 U	NA	NA	NA	<0.2 U
Sulfide (376.1)									
SULFIDE	mg/L	NA	NA	NA	<1 U	NA	NA	NA	<1 U
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	6.98	NA	NA	NA	8.8
Metals (6010C)									
IRON	mg/L	NA	NA	NA	NA	0.39	NA	NA	0.873
Metals (6020A)									
MANGANESE	mg/L	NA	NA	NA	NA	0.348	NA	NA	NA
Perchlorate (6850)									
PERCHLORATE	ug/L	<0.2 U	0.284 J	0.51	<0.2 U	NA	0.731	0.818	6.97
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 UJ	NA	<2 U	<2 U	<2 UJ
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	NA	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	2.74 J	<5 U	NA	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	0.587 J	0.514 J
CIS-1,2-DICHLOROETHENE	ug/L	11.9	0.656 J	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
M, P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	3.25	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	NA	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	17.3	18.1	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	3.24	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	714	NA	NA	NA	1310
NITRATE	mg/L	NA	NA	NA	<1 U	NA	NA	NA	<2 U
NITRITE	mg/L	NA	NA	NA	<1 U	NA	NA	NA	<2 U
SULFATE	mg/L	NA	NA	NA	160	NA	NA	NA	926
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NA	NA	NA	<2 U	NA	NA	NA	<2 U
ETHENE	ug/L	NA	NA	NA	1.23 J	NA	NA	NA	<2 U
METHANE	ug/L	NA	NA	NA	<2 UJ	NA	NA	NA	<2 U

NA - Not Analyzed

Location ID: / Sample Date:	Units	50WW22F-102313 10/23/2013	50WW23-102913 10/29/2013	50WW23F-102913 10/29/2013	50WW24-102913 10/29/2013	50WW24F-102913 10/29/2013	50WW25-102313 10/23/2013	50WW25F-102313 10/23/2013
ID Location:		Site 50 - E, outside, but close to, the site boundary. Filtered, Sampled quarterly	Site 50 - E, outside the site boundary. Sampled quarterly	Site 50 - E, outside the site boundary. Filtered, Sampled quarterly	Site 50 - ENE, outside the site boundary. Sampled quarterly	Site 50 - ENE, outside the site boundary. Filtered, Sampled quarterly	Site 50 - N, outside the site boundary, along 52st Street. Sampled quarterly	Site 50 - N, outside the site boundary, along 52st Street. Filtered, Sampled quarterly
Alkalinity (310.2)								
ALKALINITY, TOTAL	mg/L	NA	245	NA	421	NA	267	NA
Phosphorus (365.4)								
PHOSPHORUS	mg/L	NA	<0.2 U	NA	<0.2 U	NA	<0.2 U	NA
Sulfide (376.1)								
SULFIDE	mg/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
Total Organic Carbon (415.1)								
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	3.12 J	NA	4.02	NA	8.67	NA
Metals (6010C)								
IRON	mg/L	0.0683 J	NA	<0.1 U	0.569	<0.1 U	2.43	1.77
Metals (6020A)								
MANGANESE	mg/L	0.0839	NA	0.357	NA	0.0646	NA	0.206
Perchlorate (6850)								
PERCHLORATE	ug/L	NA	0.336 J	NA	0.479	NA	<0.2 U	NA
Volatile Organic Compounds (8260B)								
1,1,1,2-TETRACHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,1-DICHLOROETHANE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
1,1-DICHLOROETHENE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
1,1-DICHLOROPROPENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	NA	<0.3 U	NA	<0.3 U	NA	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NA	<2 U	NA	<2 U	NA	<2 UJ	NA
1,2-DIBROMOETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
2-BUTANONE	ug/L	NA	<5 U	NA	<5 U	NA	30.4	NA
2-CHLOROTOLUENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
2-HEXANONE	ug/L	NA	<5 U	NA	<5 U	NA	<5 U	NA
4-CHLOROTOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	NA	<5 U	NA	<5 U	NA	<5 U	NA
ACETONE	ug/L	NA	<5 U	NA	<5 U	NA	8.64 J	NA
BENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
BROMOBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
BROMOFORM	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
BROMOMETHANE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
CARBON DISULFIDE	ug/L	NA	<1 U	NA	<1 U	NA	1.22 J	NA
CARBON TETRACHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
CHLOROBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
CHLOROETHANE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
CHLOROFORM	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
CHLOROMETHANE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
CIS-1,3-DICHLOROPROPENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DIBROMOMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
ETHYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
M, P-XYLENE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
METHYLENE CHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
NAPHTHALENE	ug/L	NA	<0.4 U	NA	<0.4 U	NA	<0.4 U	NA
N-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
N-PROPYLBENZENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
O-XYLENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
STYRENE	ug/L	NA	<0.25 U	NA	<0.25 U	NA	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TETRACHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TOLUENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	NA	<1 U	NA	<1 U	NA	<1 U	NA
TRICHLOROETHENE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
TRICHLOROFLUOROMETHANE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
VINYL CHLORIDE	ug/L	NA	<0.5 U	NA	<0.5 U	NA	<0.5 U	NA
Inorganic Anions (9056)								
CHLORIDE	mg/L	NA	1740	NA	437	NA	40.7	NA
NITRATE	mg/L	NA	<2 U	NA	<0.4 U	NA	<0.2 U	NA
NITRITE	mg/L	NA	<2 U	NA	<0.4 U	NA	<0.2 U	NA
SULFATE	mg/L	NA	71.4	NA	194	NA	82.4	NA
Dissolved Gases (RSK-175)								
ETHANE	ug/L	NA	<2 U	NA	<2 U	NA	4.08 J	NA
ETHENE	ug/L	NA	<2 U	NA	<2 U	NA	3.5 J	NA
METHANE	ug/L	NA	<2 U	NA	<2 U	NA	70.5	NA

NA - Not Analyzed

Location ID: / Sample Date:	Units	03WW01-101013 10/10/2013	35ASW03-101713 10/17/2013	35AWW01-101113 10/11/2013	35AWW02-102213 10/22/2013	35AWW05-101613 10/16/2013	35AWW06-101513 10/15/2013	35AWW06F-101513 10/15/2013	35AWW07R-101613 10/16/2013
ID Location:		Site 58 - E, inside the site boundary, outer region. Sampled quarterly	Site 58 - SSW, outside the site boundary. Sampled quarterly	Site 58 - E, inside the site boundary, outer region. Sampled quarterly	Site 58 - E, inside the site boundary, outer region. Sampled quarterly	Site 58 - SW, outside the site boundary. Sampled quarterly	Site 58 - SW, outside the site boundary. Sampled quarterly	Site 58 - SW, outside the site boundary. Filtered, sampled quarterly	Site 58 - ENE, outside the site boundary. Replacement Well, sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	NR	NA	NA	NA	NA	592	NA	NA
Phosphorus (365.4)									
PHOSPHORUS	mg/L	NR	NA	NA	NA	NA	<0.2 U	NA	NA
Sulfide (376.1)									
SULFIDE	mg/L	NR	NA	NA	NA	NA	<1 U	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	NR	NA	NA	NA	NA	6.33	NA	NA
Metals (6010C)									
IRON	mg/L	NR	NA	NA	NA	NA	0.159 J	NA	NA
Metals (6020A)									
MANGANESE	mg/L	NR	NA	NA	NA	NA	0.278	0.191	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,1-DICHLOROETHANE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	2.27	NA	<0.25 U
1,1-DICHLOROETHENE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	15.8	NA	<1 U
1,1-DICHLOROPROPENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	NR	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	NA	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	NR	<1 U	<1 U	<1 U	<1 UJ	<1 U	NA	<1 UJ
1,2,4-TRICHLOROBENZENE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NR	<2 UJ	<2 U	<2 U	<2 UJ	<2 U	NA	<2 UJ
1,2-DIBROMOETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROBENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
1,2-DICHLOROETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,2-DICHLOROPROPANE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
1,3-DICHLOROPROPANE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
1,4-DICHLOROBENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2,2-DICHLOROPROPANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
2-BUTANONE	ug/L	NR	<5 U	<5 U	<5 U	<5 U	<5 U	NA	<5 U
2-CHLOROTOLUENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
2-HEXANONE	ug/L	NR	<5 U	<5 U	<5 UJ	<5 U	<5 U	NA	<5 U
4-CHLOROTOLUENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
4-METHYL-2-PENTANONE	ug/L	NR	<5 U	<5 U	<5 U	<5 U	<5 U	NA	<5 U
ACETONE	ug/L	NR	3.86 J	<5 U	<5 U	<5 UJ	<5 U	NA	<5 UJ
BENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
BROMOBENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
BROMOCHLOROMETHANE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
BROMODICHLOROMETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
BROMOFORM	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
BROMOMETHANE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
CARBON DISULFIDE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
CARBON TETRACHLORIDE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
CHLOROBENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROETHANE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
CHLOROFORM	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
CHLOROMETHANE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	0.709 J
CIS-1,3-DICHLOROPROPENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DIBROMOMETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ETHYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
HEXACHLOROBUTADIENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
ISOPROPYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
M,P-XYLENE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
METHYLENE CHLORIDE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
NAPHTHALENE	ug/L	NR	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA	<0.4 U
N-BUTYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
N-PROPYLBENZENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
O-XYLENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
SEC-BUTYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
STYRENE	ug/L	NR	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA	<0.25 U
TERT-BUTYLBENZENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TETRACHLOROETHENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	0.586 J
TOLUENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	NR	<1 U	<1 U	<1 U	<1 U	<1 U	NA	<1 U
TRICHLOROETHENE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	1.03
TRICHLOROFLUOROMETHANE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
VINYL CHLORIDE	ug/L	NR	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NR	NA	NA	NA	NA	1120	NA	NA
NITRATE	mg/L	NR	NA	NA	NA	NA	<4 U	NA	NA
NITRITE	mg/L	NR	NA	NA	NA	NA	<4 U	NA	NA
SULFATE	mg/L	NR	NA	NA	NA	NA	1660	NA	NA
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NR	NA	NA	NA	NA	<2 U	NA	NA
ETHENE	ug/L	NR	NA	NA	NA	NA	<2 U	NA	NA
METHANE	ug/L	NR	NA	NA	NA	NA	<2 UJ	NA	NA
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	NR	NA	NA	NA	NA	<0.04 U	NA	NA
Dechlorinating Bacteria									
DEHALOCOCCOIDES	cells/mL	<2.10	NA	NA	NA	NA	NA	NA	NA
TVEA REDUCTASE	cells/mL	<2.10	NA	NA	NA	NA	NA	NA	NA
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	<2.10	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE REDUCTASE	cells/mL	<2.10	NA	NA	NA	NA	NA	NA	NA
DEHALOBACTER SPP.	cells/mL	15.7 J	NA	NA	NA	NA	NA	NA	NA

NA - Not Analyzed

NR - Data Not Yet Received From Laboratory

Location ID: / Sample Date:	Units	35AWW08-101013 10/10/2013	35AWW09-101013 10/10/2013	35AWW10-101013 10/10/2013	35AWW11-101513 10/15/2013	35AWW11F-101513 10/15/2013	35AWW12-101813 10/18/2013	35AWW12FD-101813 10/18/2013	35AWW13-101113 10/11/2013
ID Location:		Site 58 - E, inside the site boundary, outer region. Sampled quarterly	Site 58 - E, inside the site boundary, outer region. Sampled quarterly	Site 58 - ESE, inside the site boundary, middle region. Sampled quarterly	Site 58 - SE, inside the site boundary, outer region. Sampled quarterly	Site 58 - SE, inside the site boundary, outer region. Filtered, sampled quarterly	Site 58 - E, outside the site boundary. Sampled quarterly	Site 58 - E, outside the site boundary. Dup, sampled quarterly	Site 58 - NE, inside the site boundary, middle region. Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	NR	NR	NR	392	NA	NA	NA	NA
Phosphorus (365.4)									
PHOSPHORUS	mg/L	NR	NR	NR	0.22 J	NA	NA	NA	NA
Sulfide (376.1)									
SULFIDE	mg/L	NR	NR	NR	<1 U	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	NR	NR	NR	17	NA	NA	NA	NA
Metals (6010C)									
IRON	mg/L	NR	NR	NR	NA	1.16	NA	NA	NA
Metals (6020A)									
MANGANESE	mg/L	NR	NR	NR	NA	1.07	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	NR	NR	NR	7.7	NA	<1 U	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	NR	NR	NR	<0.3 U	NA	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	NR	NR	NR	<1 UJ	NA	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	NR	NR	NR	<2 U	NA	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	NR	NR	NR	<5 UJ	NA	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	NR	NR	NR	<5 U	NA	<5 UJ	<5 UJ	<5 U
4-CHLOROTOLUENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	NR	NR	NR	<5 U	NA	<5 U	<5 U	<5 U
ACETONE	ug/L	NR	NR	NR	<5 UJ	NA	<5 U	<5 U	<5 U
BENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	NR	NR	NR	<0.4 U	NA	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	NR	NR	NR	<0.25 U	NA	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	NR	NR	NR	<1 U	NA	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	NR	NR	NR	<0.5 U	NA	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	NR	NR	NR	0.442 J	NA	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NR	NR	NR	2350	NA	NA	NA	NA
NITRATE	mg/L	NR	NR	NR	<4 UJ	NA	NA	NA	NA
NITRITE	mg/L	NR	NR	NR	<4 UJ	NA	NA	NA	NA
SULFATE	mg/L	NR	NR	NR	1360	NA	NA	NA	NA
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NR	NR	NR	<2 U	NA	NA	NA	NA
ETHENE	ug/L	NR	NR	NR	<2 U	NA	NA	NA	NA
METHANE	ug/L	NR	NR	NR	<2 UJ	NA	NA	NA	NA
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	NR	NR	NR	<0.04 U	NA	NA	NA	NA
Dechlorinating Bacteria									
DEHALOCOCCOIDES	cells/mL	3.6	3.6	3.6	NA	NA	NA	NA	NA
TVEA REDUCTASE	cells/mL	2.65	2.65	2.65	NA	NA	NA	NA	NA
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	<2.20	<2.20	<2.20	NA	NA	NA	NA	NA
VINYL CHLORIDE REDUCTASE	cells/mL	<2.20	<2.20	<2.20	NA	NA	NA	NA	NA
DEHALOBACTER SPP.	cells/mL	1300	1300	1300	NA	NA	NA	NA	NA

NA - Not Analyzed

NR - Data Not Yet Received From Laboratory

Location ID: / Sample Date:	Units	35AWW13FD-101113 10/11/2013	35AWW14-101813 10/18/2013	35AWW15-101613 10/16/2013	35AWW15FD-101613 10/16/2013	35AWW16-102213 10/22/2013	35AWW17-101813 10/18/2013	35AWW18-101813 10/18/2013	35AWW19-102213 10/22/2013
ID Location:		Site 58 - NE, inside the site boundary, middle region. Dup, sampled quarterly	Site 58 - SE, outside the site boundary. Sampled quarterly	Site 58 - W, inside the site boundary, outer region. Sampled quarterly	Site 58 - W, inside the site boundary, outer region. Dup, sampled quarterly	Site 58 - SW, outside the site boundary, near Building 744-A. Sampled quarterly	Site 58 - SW, outside the site boundary. Sampled quarterly	Site 58 - SSW, outside the site boundary. Sampled quarterly	Site 58 - SSW, outside the site boundary. Sampled quarterly
Alkalinity (310.2)									
ALKALINITY, TOTAL	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus (365.4)									
PHOSPHORUS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide (376.1)									
SULFIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (415.1)									
TOTAL ORGANIC CARBON (TOC)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6010C)									
IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals (6020A)									
MANGANESE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	<0.25 U	3.18	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	1.71
1,1-DICHLOROETHENE	ug/L	<1 U	1.63 J	<1 U	<1 U	<1 U	<1 U	<1 U	6.45
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 UJ	<1 UJ	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 UJ	<2 UJ	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	1.83
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 UJ	<5 U	<5 U	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	<5 UJ	<5 UJ	<5 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	2.04	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	0.663 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.379 J
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	0.272 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
NITRATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
NITRITE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
SULFATE	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases (RSK-175)									
ETHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
ETHENE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
METHANE	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Dechlorinating Bacteria									
DEHALOCOCCOIDES	cells/mL	NA	NA	NA	NA	NA	NA	NA	NA
TVEA REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA	NA	NA
DEHALOBACTER SPP.	cells/mL	NA	NA	NA	NA	NA	NA	NA	NA

NA - Not Analyzed

NR - Data Not Yet Received From Laboratory

Location ID: / Sample Date:	Units	35AWW20-101513 10/15/2013	35AWW21-101613 10/16/2013	35AWW22-102213 10/22/2013	LHSMW06-101713 10/17/2013	LHSMW07-101513 10/15/2013	LHSMW07F-101513 10/15/2013
ID Location:		Site 58 - SW, inside the site boundary, outer region, between Building 716 and 113. Sampled quarterly	Site 58 - ESE, outside the site boundary, beside Building 725. Sampled quarterly	Site 58 - ENE, outside the site boundary. Sampled quarterly	Site 58 - SW, inside the site boundary, middle region, beside Building 715. Sampled quarterly	Site 58 - SW, outside the site boundary. Sampled quarterly	Site 58 - SW, outside the site boundary. Filtered, sampled quarterly
Alkalinity (310.2)							
ALKALINITY, TOTAL	mg/L	786	NA	NA	NA	597	NA
Phosphorus (365.4)							
PHOSPHORUS	mg/L	<0.2 U	NA	NA	NA	<0.2 U	NA
Sulfide (376.1)							
SULFIDE	mg/L	<1 U	NA	NA	NA	<1 U	NA
Total Organic Carbon (415.1)							
TOTAL ORGANIC CARBON (TOC)	mg/L	13.1	NA	NA	NA	9.22	NA
Metals (6010C)							
IRON	mg/L	0.339	NA	NA	NA	1.55	NA
Metals (6020A)							
MANGANESE	mg/L	2.8	NA	NA	NA	0.101	0.0961
Volatile Organic Compounds (8260B)							
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 UJ	<0.4 U	NA
1,1,2-TRICHLOROETHANE	ug/L	52.4	<0.5 U	<0.5 U	<0.5 U	0.922 J	NA
1,1-DICHLOROETHANE	ug/L	327	<0.25 U	<0.25 U	2	45.8	NA
1,1-DICHLOROETHENE	ug/L	3230	<1 U	<1 U	1.23 J	396	NA
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	NA
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	NA
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 UJ	<2 U	<2 UJ	<2 U	NA
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DICHLOROBENZENE	ug/L	3.23	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
1,2-DICHLOROETHANE	ug/L	20.3	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
1,4-DICHLOROBENZENE	ug/L	0.637 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	NA
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
2-HEXANONE	ug/L	<5 U	<5 U	<5 UJ	<5 UJ	<5 U	NA
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	NA
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	NA
ACETONE	ug/L	<5 U	<5 U	<5 U	<5 UJ	<5 U	NA
BENZENE	ug/L	4.91	<0.25 U	<0.25 U	<0.25 U	0.303 J	NA
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	NA
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 UJ	<1 U	NA
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	NA
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	NA
CHLOROFORM	ug/L	0.762 J	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
CHLOROMETHANE	ug/L	<1 U	0.518 J	<1 U	<1 U	<1 U	NA
CIS-1,2-DICHLOROETHENE	ug/L	110	<0.5 U	<0.5 U	4.01	6.1	NA
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	NA
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	NA
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U	NA
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TETRACHLOROETHENE	ug/L	1.65	<0.5 U	<0.5 U	0.663 J	<0.5 U	NA
TOLUENE	ug/L	0.447 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
TRANS-1,2-DICHLOROETHENE	ug/L	3.77	<0.5 U	<0.5 U	<0.5 U	0.282 J	NA
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U	NA
TRICHLOROETHENE	ug/L	513	<0.5 U	<0.5 U	1.87	23.9	NA
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	NA
VINYL CHLORIDE	ug/L	105	<0.5 U	<0.5 U	0.627 J	15.9	NA
Inorganic Anions (9056)							
CHLORIDE	mg/L	2360	NA	NA	NA	2670	NA
NITRATE	mg/L	<4 U	NA	NA	NA	<4 UJ	NA
NITRITE	mg/L	<4 U	NA	NA	NA	<4 UJ	NA
SULFATE	mg/L	2290	NA	NA	NA	2630	NA
Dissolved Gases (RSK-175)							
ETHANE	ug/L	1.19 J	NA	NA	NA	<2 U	NA
ETHENE	ug/L	<2 U	NA	NA	NA	<2 U	NA
METHANE	ug/L	118	NA	NA	NA	204	NA
Ferrous Iron (SM3500FE)							
FERROUS IRON	mg/L	<0.04 U	NA	NA	NA	<0.04 U	NA
Dechlorinating Bacteria							
DEHALOCOCCOIDES	cells/mL	NA	NA	NA	NA	NA	NA
TVEA REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA
BAV1 VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE REDUCTASE	cells/mL	NA	NA	NA	NA	NA	NA
DEHALOBACTER SPP.	cells/mL	NA	NA	NA	NA	NA	NA

NA - Not Analyzed

NR - Data Not Yet Received From Laboratory

Location ID: Sample Date:	Units	67WW02-092713 9/27/2013	67WW05-092813 9/28/2013	67WW06-092813 9/28/2013	67WW07-092713 9/27/2013	67WW08-100213 10/2/2013	67WW09-092813 9/28/2013	67WW09A-092713 9/27/2013	67WW09A-092713-FD 9/27/2013
ID Location:		Site 67 - NW, within the site boundary, outer region. Sampled quarterly	Site 67 - WNW, outside the site boundary. Sampled quarterly	Site 67 - E, outside the site boundary. Sampled quarterly	Site 67 - E, outside the site boundary, on the LUC boundary. Sampled quarterly	Site 67 - SSE, within the site boundary, middle region. Sampled quarterly	Site 67 - WSW, within the site boundary, on the LUC boundary, outer region. Sampled quarterly	Site 67 - S, outside the site boundary. Sampled quarterly	Site 67 - S, outside the site boundary. Dup, sampled quarterly
Sulfide (376.1)									
SULFIDE	mg/L	N/A	N/A	N/A	N/A	<1 U	N/A	N/A	N/A
Total Carbon (415.1)									
TOTAL INORGANIC CARBON (TIC)	mg/L	N/A	N/A	N/A	N/A	28.9	N/A	N/A	N/A
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	N/A	N/A	N/A	6.32	N/A	N/A	N/A
Volatile Organic Compounds (8260B)									
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	5.08 J	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	ug/L	0.508 J	<0.25 U	<0.25 U	<0.25 U	46.5	3.97	<0.25 U	<0.25 U
1,1-DICHLOROETHENE	ug/L	<1 U	<1 U	<1 U	<1 U	1120	17.5	<1 U	<1 U
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 U	<2 U	<20 U	<2 U	<2 U	<2 U
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	<0.5 U	1.77	1.77	76.5	0.414 J	<0.5 U	<0.5 U
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U	<5 U	<5 U
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	<5 U	<5 U	<5 U	<50 U	<5 U	<5 U	<5 U
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 UJ	<1 U	<10 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 UJ	<0.25 U	<0.25 U	<0.25 U
CHLOROMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	0.966 J	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<2.5 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U
Inorganic Anions (9056)									
CHLORIDE	mg/L	N/A	N/A	N/A	N/A	1360	N/A	N/A	N/A
NITRATE	mg/L	N/A	N/A	N/A	N/A	<2 U	N/A	N/A	N/A
NITRITE	mg/L	N/A	N/A	N/A	N/A	<2 U	N/A	N/A	N/A
SULFATE	mg/L	N/A	N/A	N/A	N/A	297	N/A	N/A	N/A
Dissolved Gases (RSK-175)									
ETHANE	ug/L	N/A	N/A	N/A	N/A	<2 U	N/A	N/A	N/A
ETHENE	ug/L	N/A	N/A	N/A	N/A	<2 U	N/A	N/A	N/A
METHANE	ug/L	N/A	N/A	N/A	N/A	<2 U	N/A	N/A	N/A
Ferrous Iron (SM3500FE)									
FERROUS IRON	mg/L	N/A	N/A	N/A	N/A	0.161	N/A	N/A	N/A

N/A - Not Analyzed

Location ID: Sample Date:	Units	67WW10-092713 9/27/2013	67WW11-100213 10/2/2013	67WW12-100113 10/1/2013	67WW13-100113 10/1/2013	67WW14-100113 10/1/2013
ID Location:		Site 67 - SE, outside the site boundary, on the LUC boundary. Sampled quarterly	Site 67 - S, within the site boundary, outer region. Sampled quarterly	Site 67 - NNE, outside the site boundary. Sampled quarterly	Site 67 - WSW, within the site boundary, on the LUC boundary, outer region. Sampled quarterly	Site 67 - SW, outside the site boundary beside Ignatius Avenue. Sampled quarterly
Sulfide (376.1)						
SULFIDE	mg/L	N/A	<1 U	N/A	N/A	N/A
Total Carbon (415.1)						
TOTAL INORGANIC CARBON (TIC)	mg/L	N/A	17.6	N/A	N/A	N/A
TOTAL ORGANIC CARBON (TOC)	mg/L	N/A	5.7	N/A	N/A	N/A
Volatile Organic Compounds (8260B)						
1,1,1,2-TETRACHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,1,2-TRICHLOROETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	3.37	<0.5 U
1,1-DICHLOROETHANE	ug/L	0.362 J	10.6	<0.25 U	33.8	0.197 J
1,1-DICHLOROETHENE	ug/L	<1 U	42.8	<1 U	515	1.82 J
1,1-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-TRICHLOROBENZENE	ug/L	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
1,2,3-TRICHLOROPROPANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
1,2,4-TRICHLOROBENZENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,2,4-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	<2 U	<2 U	<2 UJ	<2 UJ	<2 UJ
1,2-DIBROMOETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
1,2-DICHLOROETHANE	ug/L	<0.5 U	0.799 J	<0.5 U	23.8	0.692 J
1,2-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,3,5-TRIMETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROPROPANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
1,4-DICHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2,2-DICHLOROPROPANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	9.06 J
2-CHLOROTOLUENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
2-HEXANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
4-CHLOROTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-METHYL-2-PENTANONE	ug/L	<5 U	<5 U	<5 U	<5 U	<5 U
ACETONE	ug/L	<5 U	33.6	<5 U	<5 U	3.27 J
BENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
BROMOCHLOROMETHANE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
BROMODICHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
BROMOMETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CARBON TETRACHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
CHLOROETHANE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 UJ	<0.25 U
CHLOROMETHANE	ug/L	<1 U	0.536 J	<1 U	<1 U	0.64 J
CIS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	1.66	<0.5 U
CIS-1,3-DICHLOROPROPENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ETHYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
HEXACHLOROBUTADIENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M,P-XYLENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
METHYLENE CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
NAPHTHALENE	ug/L	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
N-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
N-PROPYLBENZENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
O-XYLENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
P-ISOPROPYLTOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.431 J
SEC-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	ug/L	<0.25 U	<0.25 U	<0.25 U	<0.25 U	<0.25 U
TERT-BUTYLBENZENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	ug/L	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROETHENE	ug/L	<0.5 U	<0.5 U	<0.5 U	2.81	<0.5 U
TRICHLOROFLUOROMETHANE	ug/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
VINYL CHLORIDE	ug/L	<0.5 U	<0.5 U	<0.5 U	2.1	<0.5 U
Inorganic Anions (9056)						
CHLORIDE	mg/L	N/A	1200	N/A	N/A	N/A
NITRATE	mg/L	N/A	<2 U	N/A	N/A	N/A
NITRITE	mg/L	N/A	<2 U	N/A	N/A	N/A
SULFATE	mg/L	N/A	375	N/A	N/A	N/A
Dissolved Gases (RSK-175)						
ETHANE	ug/L	N/A	<2 U	N/A	N/A	N/A
ETHENE	ug/L	N/A	<2 U	N/A	N/A	N/A
METHANE	ug/L	N/A	<2 U	N/A	N/A	N/A
Ferrous Iron (SM3500FE)						
FERROUS IRON	mg/L	N/A	<0.04 U	N/A	N/A	N/A

N/A - Not Analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 – 2733

April 5, 2013

Office of the Regional Administrator

Mr. Hershell Wolfe
Department of the Army
Deputy Assistant Secretary of the Army for
Environment, Safety, and Occupational Health
600 Army Pentagon
Washington, D.C. 20310-0600

Mr. Zak Covar
Executive Director
Texas Commission on Environmental Quality
Post Office Box 13087
Austin, Texas 78711-3087

RE: In the Matter of the United States Department of Army, Longhorn
Army Ammunition Plant, Federal Facility Agreement Under CERCLA Section 120

Dear Mr. Wolfe and Mr. Covar:

This letter sets forth my decision constituting the United States Environmental Protection Agency's position for the three disputed draft final Records of Decision concerning four operable units at LHAAP. More specifically, this decision addresses the dispute concerning the draft final RODs for the Longhorn Army Ammunition Plant-16 (Old Landfill) operable unit, the LHAAP-17 (No. 2 Flashing Area Burning Ground) operable unit, and two Munitions Response Sites operable units (i.e., LHAAP-001-R-01-MMRP - South Test Area/Bomb Test Area, and LHAAP-003-R-01 MMRP - Ground Signal Test Area). The EPA Position provides language to be included in the RODs; a determination regarding protective groundwater cleanup and monitoring standards for contaminated groundwater; a determination regarding land use controls and the duration of such controls; and a determination concerning the assessment of stipulated penalties under the Longhorn Federal Facility Agreement.

BACKGROUND

On October 13, 2011, the EPA issued a Notice of Violation and Stipulated Penalty Assessment concerning the issuance of draft final RODs for the four operable units at issue here (i.e., LHAAP-16, LHAAP-17, LHAAP-001-R-01-MMRP and LHAAP-003-R-01 MMRP), pursuant to Section XXIV (Stipulated Penalties) of the Longhorn FFA under CERCLA Section 120 for the LHAAP Site. The Army submitted its Response to EPA's Notice of Violation and Stipulated Penalty Assessment on October 27, 2011, and invoked dispute resolution regarding the assessment of stipulated penalties. Per Section XXIV.B (Stipulated Penalties) of the FFA, no assessment of a stipulated penalty shall be final until the conclusion of the dispute resolution process.

Despite August and September 2011 efforts to resolve issues presented in the Army's draft RODs, several issues remained unresolved. As a result, on October 27, 2011, the EPA invoked formal dispute resolution concerning a total of eight issues. The Army submitted its Response to the EPA's October 27, 2011, Written Statement of Dispute which also included revised draft final RODs. As part of the Dispute Resolution Committee's effort to resolve the dispute, the DRC representatives for the Army, the Texas Quality and the Commission on Environmental EPA met on November 30, 2011. At the meeting, the parties discussed the eight disputed issues raised by the EPA and the assessment of stipulated penalties issue raised by the Army.

On December 23, 2011, the EPA submitted a letter to the Army, which enclosed a revised draft final LHAAP-16 ROD, included language designed to address the eight disputed issues. The Army provided an email response on January 13, 2012, which demonstrated there was no agreement at the DRC level. On February 15, 2012, the EPA sent a letter with eight separate written agreements signed by the EPA DRC representative, to the DRC representatives for the Army and the TCEQ. On February 23, 2012, the TCEQ signed seven of the eight written agreements. Although the TCEQ did not sign the written agreement that addressed the groundwater cleanup and monitoring standards for groundwater contaminated with perchlorate and other contaminants, it stated that the TCEQ would agree to cleanup levels more stringent than the TCEQ's standards if the Army and the EPA agreed to such standards. On March 12, 2012, the EPA sent the Army a letter denying the Army's November 4, 2011, and February 16, 2012, requests for the withdrawal of the assessment of stipulated penalties. Because the DRC did not reach a resolution, the Army elevated the stipulated penalties assessment dispute to the Senior Executive Committee on March 30, 2012. The EPA elevated the dispute concerning the eight disputed issues to the SEC on April 5, 2012.

The SEC representatives for the Army, the TCEQ and the EPA conducted a conference on May 17, 2012. The SEC also directed its staffs to attempt to resolve disputed issues which led to April 26, 2012, and May 11, 2012, conferences. The parties also agreed to set May 31, 2012, as the time-frame to either have an agreement, or have Region 6 commence the written position process identified in the LHAAP FFA. Exchanges among the parties include the Army's submission of revised final draft RODs on June 29, 2012, and the EPA's July 20, 2012, submission of revisions to the Army's revised final draft RODs, which incorporated revisions from the TCEQ. The Army, the TCEQ and the EPA next participated in a July 27, 2012, conference call to discuss the EPA's and TCEQ's revisions, and set an August 10, 2012, deadline to either reach an agreement or commence the Region 6 written position process under the LHAAP FFA. The Army submitted revised copy final draft RODs on August 3, 2012. Upon the EPA's request, the Army also submitted revised, color-coded final draft RODs highlighting the Army's revisions on August 7, 2012. The EPA reviewed the Army's revisions and sent the Army final draft RODs on August 8, 2012, with color-coded revisions, requesting the Army incorporate the EPA revisions by August 10, 2012. Thereafter, the parties held a conference call on September 5, 2012, in an attempt to resolve issues that remained in dispute.

SEC ORAL AGREEMENTS

The SEC and assigned staff members attempted to resolve seven of the disputed issues. These efforts led to the Army's submission of the September 28, 2012, final draft RODs. These Army RODs seemingly resolved dispute issues 4, 5, 6, 7, and 8. While the SEC was unable to memorialize that agreement, by this decision, I provide the language the EPA believes the parties agreed to include in (or delete from) the RODs resolving the five issues in chronological order. If the Army or the TCEQ disagree with the language as provided herein by the EPA, they each have the opportunity to elevate to the Administrator that language and any other disputed issues for resolution in accordance with the Longhorn FFA.

EPA's UNDERSTANDING OF THE ORAL AGREEMENTS

Issue four dealt with modifying finalized remedies and impacted all four operable units. The EPA believes the SEC orally agreed that the following language would be deleted from the final RODs signed by the parties:

~~"The U.S. Army will be responsible for implementation, maintenance, periodic inspection, reporting on and enforcement of the LUCs in accordance with the RD. Although the U.S. Army may transfer these responsibilities to another party through property transfer agreement or other means, the U.S. Army will remain ultimately responsible for: (1) CERCLA §121(c) five-year reviews; (2) notification of the appropriate regulators of any known LUCs deficiencies or violations; (3) access to the property to conduct any necessary response; (4) reservation of the authority to change, modify, or terminate the LUCs and any related transfer or lease provisions; and (5) ensuring the protectiveness of the selected remedy."~~

~~"The U.S. Army shall consult with TCEQ and obtain USEPA concurrence prior to termination or significant modification of a LUC, or in the highly unlikely event of a land use change inconsistent with the industrial/recreational use assumptions of the remedy. (There is no reasonably anticipated use of the property for other than wildlife refuge purposes). In the event that TCEQ and/or EPA and the Army agree with respect to any significant modification of the selected remedy, including the LUCs component of the selected remedy, the remedy will be changed consistent with the FFA and 40 C.F.R. §300.435(c)(2)."~~

Dispute issue five dealt with applicable or relevant and appropriate standards in only one LHAAP operable unit (LHAAP Site 16). The SEC orally agreed that the following ARARs language would be added to the final ROD signed by the parties:

"Post-closure Care: Closure and post-closure ARARs were identified for LHAAP-16 in the IRA ROD and included 30 TAC 335.112, 335.118, 335.119 and 335.174 and 40 C.F.R. §§ 264.228 and 264.310 addressing landfills and surface impoundments storing hazardous waste. Closure requirements were met during implementation of the (cap) presumptive remedy of the IRA. Post-closure requirements are relevant and appropriate, and include 40 C.F.R. §§ 264.228(b)(1), (3) and (4); 264.310(b)(1), (4), (5), and (6); and 30 TAC 335.174. Although there is no permanent benchmark inside the LHAAP-16 area, one is located adjacent to the Site. Therefore, 40 C.F.R. § 264.310(b)(6) is relevant and appropriate for a benchmark located near a landfill. In addition, the substantive requirements of 40 C.F.R. §§ 264.117 through 120 related to post-closure for the remedy in place are relevant and appropriate."

Issue six concerns the land use controls that will fulfill the various LUC objectives before and after transfer of Army property at Longhorn. This issue arose at all four units. The SEC orally agreed that the following LUC language would be added to the final RODs signed by the parties:

"The Army will implement, maintain, monitor, report on and enforce land use controls at Army-owned property. The Army shall perform those actions related to land use control activities described in this ROD and in the Remedial Design for the ROD. For portions of the Site subject to land use controls that are not owned by the Army, the Army will monitor and report on the implementation, maintenance, and enforcement of land use controls, and coordinate with federal, state, and local governments and owners and occupants of properties subject to land use controls. The Army will provide notice of the groundwater and soil (surface and subsurface) contamination and any land use restrictions referenced in

the ROD. The Army will send these notices to the federal, state and local governments involved at this site and the owners and occupants of the properties subject to those use restrictions and land use controls. The Army shall provide the initial notice within 90 days of ROD signature. The frequency of subsequent notifications will be described in the Remedial Design for the ROD. The Army remains responsible for ensuring that the remedy remains protective of human health and the environment. The Army will fulfill its responsibility and obligations under CERCLA and the NCP as it implements, maintains, and reviews the selected remedy."

Upon transfer of Army-owned property, the Army will provide written notice of the land use controls to the transferee of the groundwater and soil (surface and subsurface) contamination and any land use restrictions referenced in the ROD. Within 15 days of transfer, the Army shall provide the EPA and the TCEQ with written notice of the division of implementation, maintenance, and enforcement responsibilities unless such information has already been provided in the LUC RD. The LUC RD will address the procedures to be used by the Army and the transferee to document compliance with the LUCs described in this ROD. In the event property is transferred out of Federal control, the land use controls relating to property and groundwater restrictions shall be recorded in the deed and shall be enforceable by the United States and the state of Texas."

Dispute issue seven applied to all four operable units and addressed whether an enforceable document would be appropriate for the implementation of LUCs. The SEC orally agreed that the following LUCs language would be added to the final RODs signed by the parties:

"A LUC Remedial Design (RD) will be finalized as the land use component of the Remedial Design. Within 21 days of the issuance of the ROD, the Army will propose deadlines for completion of the RD Work Plan, RD, and Remedial Action Work Plan. The documents will be prepared and submitted to EPA and TCEQ pursuant to the FFA. The LUC RD will contain implementation and maintenance actions, including periodic inspections. The long-term groundwater and surface water monitoring and MNA performance monitoring plan will also be presented in the RD."

With respect to dispute issue eight and whether there were principal threat wastes at two munitions response sites located on two LHAAP operable units (LHAAP-001-R-01-MMRP and LHAAP-003-R-01 MMRP), the SEC orally agreed that the following language would be added to the final ROD signed by the parties:

"There are currently no known principal threat wastes at these two MRS sites (LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP)."

In light of the EPA's understanding of the above SEC Agreements, the Army shall make the modifications to the RODs for issues 4, 5, 6, 7, and 8 as described above. These changes will be implemented in accordance with the LHAAP FFA. Language inconsistent with the above language as memorialized herein shall not be incorporated in the final RODs subject to this dispute. Pursuant to Section XV.F (Dispute Resolution) of the LHAAP FFA, this written decision constitutes the EPA's position regarding this dispute. This decision will serve as the final dispute resolution decision unless the TCEQ or the Army elevates the dispute to the EPA Administrator within 14 days of its issuance under Section XV.F of the FFA. Materials and documents cited herein were reviewed and considered before making a decision regarding the issues in dispute. A list/index of those materials and documents is enclosed with this decision. CERCLA, the NCP, and the LHAAP FFA were also reviewed and considered before this decision was rendered.

UNRESOLVED ISSUES

After many months of discussions, the SEC appeared to reach oral agreement on only five out of the eight issues, excluding stipulated penalties, before the committee. Four issues remain that I resolve herein through this decision. The remaining issues involve: 1) the cleanup and monitoring standards for contaminated groundwater, (2) LUC objectives, (3) the duration of LUCs, and (4) the assessment of stipulated penalties.

GROUNDWATER CLEANUP STANDARDS

The first issue involves the role of state standards and federal guidance where there currently is no federal primary Maximum Contaminant Level for specific contaminants (i.e., perchlorate, manganese, and nickel) that are found in contaminated groundwater at this site. More specifically, the issue concerns how to consider the Texas standards (for groundwater residential or groundwater industrial/non-residential use) in the remedy selection process, consistent with CERCLA and the National Contingency Plan.

Based on the specific circumstances at this site, Region 6 believes that applying cleanup levels based on the Texas standards, (when evaluated in light of the EPA Health Advisory Information, and the TCEQ risk model data and information), ensure selection of a CERCLA remedial action at this site (where groundwater is a potential drinking water aquifer) that will be protective of human health and consistent with the CERCLA, NCP and agency guidance.

The LHAAP FFA requires the Army's investigation and cleanup to comply with CERCLA, the NCP, and the EPA's CERCLA Policies. Sections IV (Purpose) and XIX (Selection, Design and Implementation of Remedial Actions) of the LHAAP FFA require the Army to perform tasks, obligations and responsibilities (i.e., remedial action selection, design and implementation tasks) in accordance with CERCLA, 42 U.S.C. §§ 9601 et seq., NCP, 40 C.F.R. Part 300 et seq., and the EPA CERCLA guidance and policy. As discussed below, the EPA finds that the Army failed to comply with LHAAP FFA standards cited above. Because the contaminated groundwater at the LHAAP Site has a potential drinking water source designated use, the Safe Drinking Water Act, MCLs at 40 C.F.R. Part 141 et seq., generally are ARARs consistent with 40 C.F.R. § 300.430(e)(2)(i)(B & C).

In general, where the federal government has not promulgated a primary MCL under the Safe Drinking Water Act, or where a state has promulgated a standard more stringent then the federal MCL for specific contaminants (i.e., perchlorate, manganese, and nickel in this case), it may be appropriate to consider state standards in determining the cleanup level for a CERCLA response action. Texas has two regulatory standards the EPA has considered at this site: 1) the medium-specific concentration for groundwater as authorized under 30 TAC § 335.559; and 2) protective concentration limits developed under the Texas Risk Reduction Program found at 30 TAC 350 et seq.; the state recently updated the PCL groundwater cleanup numbers on June 29, 2012 (e.g., perchlorate PCL of 17 ug/L for residential, and 51 ug/L for nonresidential/industrial use). *See* 30 TAC 350, Subchapter D, Tier 1 PCL Tables (June 29, 2012).

Pursuant to CERCLA Section 121(d) and the NCP, on-site remedial actions must attain (or waive) the substantive requirements of federal and more stringent state ARARs. In addition, pursuant to CERCLA section 121, the remedy selected at this site must ensure protectiveness of human health. The EPA Health Advisories can provide useful information when evaluating protection of human health, and in

selecting response actions that ensure restoration of contaminated groundwater to its potential beneficial uses, consistent with the NCP *(See* 40 C.F.R. § 300.430(a)(1)(iii)).

Region 6 believes the PCLs may be sufficiently stringent (when evaluated in light of the EPA Health Advisory Information and the TCEQ risk model data and information) to ensure protection of human health, and may be sufficient to ensure restoration of contaminated groundwater to its potential beneficial uses, consistent with the NCP *(See* 40 C.F.R. § 300.430(a)(1)(iii)). As such, the region has selected the PCLs as groundwater cleanup levels at this site. The EPA notes that this decision may need to be re-evaluated once the agency has finished its rulemaking process for establishing a federal MCL for perchlorate under the Safe Drinking Water Act.

As noted herein, the groundwater at the LHAAP Site is designated as a potential drinking water source by the state of Texas. *See* 30 TAC § 335.563(h)(1), and 30 TAC § 350.52. The groundwater is classified as a potential future drinking water aquifer in accordance with the EPA Guidelines for Groundwater Classification, (Final Draft December 1986). As such, the CERCLA remedy at this site should achieve restoration of the contaminated aquifer consistent with CERCLA 121(b), 40 C.F.R. § 300.430(e)(2)(i)(B & C), the NCP's 40 C.F.R. § 300.430(a)(1) expectations, and existing EPA guidance on groundwater remedial actions (i.e., Summary of Key Existing EPA CERCLA Policies for Groundwater Restoration, OSWER 9283.1-33, June 26, 2009).

I have determined that it is appropriate to consider the Texas MSC and TRRP PCL groundwater residential cleanup and monitoring standards for perchlorate when selecting a CERCLA remedy, consistent with CERCLA and the NCP. However, at this time, Region 6 has determined that the TRRP PCL cleanup level of 17 ug/L, when evaluated in light of the EPA's Drinking Water Health Advisory Information and the TCEQ model data and information (see attachment 26), will ensure protection of human health. As such, the EPA believes that the TRRP PCL groundwater residential cleanup standards for nickel and manganese are sufficiently protective of human health and the environment at LHAAP-16.

I have considered the EPA health advisory information, TRRP PCL residential groundwater cleanup levels and the September 29, 2011, draft final RODs (i.e., LHAAP-16 and LHAAP-17 operable units) submitted by the Army, which include the remedial action objective to return, wherever practicable, the groundwater to its potential beneficial uses as drinking water. After reviewing this information, I have determined that the TRRP PCL regulations for residential groundwater cleanup include levels for perchlorate, nickel, and manganese that shall be used as cleanup levels at LAHAAP 16 and 17 to ensure protection of human health and the environment. The EPA also finds that the perchlorate concentration level from the TRRP PCL residential groundwater standard shall be attained as the appropriate monitoring/cleanup level in the draft final ROD for the two (2) MMRP operable units (i.e., LHAAP-001-R-01 MMRP, and LHAAP-003-R-01 MMRP), which includes the remedial action objective to confirm that perchlorate levels in the groundwater designated as a potential drinking water source are at levels that are protective of human health. As such, all relevant draft final RODs subject to this dispute resolution proceeding (i.e., LHAAP-16 and LHAAP-17, and two (2) LHAAP MMRP operable units for monitoring only) shall include revisions in accordance with the language quoted below:

<u>For LHAAP-16 and LHAAP-17</u>:

"Per the ROD's RAOs, and consistent with the NCP, groundwater will be returned to its beneficial uses as drinking water. The groundwater cleanup level for perchlorate at the Site is the TRRP PCL residential groundwater cleanup level, 17 ug/L, and is protective of human health and the environment."

For LHAAP-16:

"The TRRP PCL groundwater residential levels are protective of human and the environment for purposes of selecting a protective remedial action for LHAAP-16. Therefore, the groundwater residential cleanup levels are 490 ug/L for nickel and 1,100 ug/L for manganese at LHAAP-16, and such cleanup levels are protective of human health and the environment at LHAAP-16."

For LHAAP-001-R-01 and LHAAP-003-R-01:

"Per the selected remedial action and consistent with the NCP, the groundwater will be monitored to ensure that it can be utilized for its beneficial uses as a drinking water source. The groundwater monitoring level for perchlorate at the Sites is the TRRP PCL residential groundwater cleanup level, 17 ug/L, and is protective of human health and the environment."

LAND USE CONTROLS OBJECTIVES AND DURATION

Consistent with the Section XIX (Selection, Design and Implementation of Remedial Actions) of the FFA, the Army is required to perform tasks, obligations and responsibilities (i.e., remedial action selection, design and implementation tasks) in accordance with the CERCLA, the NCP, 40 C.F.R. Part 300 et seq., and the EPA CERCLA guidance and policy. With respect to remedial action selections, including LUCs, it is clear that consistent with CERCLA Sections 121(a) and (b), and 40 C.F.R. § 300.430(f), there should be written documentation explaining the application of the 40 C.F.R. § 300.430(e)(9)(iii) nine criteria evaluation to such remedial action selections. In addition, the NCP Preamble (at pp. 55 FR 8701 - 8702) makes clear that the nine criteria evaluation under 40 C.F.R. § 300.430(e)(9)(iii), reflects CERCLA 121(b)(1). Consistent with the NCP (e.g., 40 C.F.R. § 300.430(f)(5)), there should be documentation of the remediation objectives and cleanup levels and whether or not hazardous substances, pollutants or contaminants remain at the site.

In light of the above, a discussion concerning remedial action selections and documentation is warranted (for further detail, please refer to the EPA's 1999 ROD guidance). Consistent with CERCLA and the NCP (e.g., 40 CFR 300.430(e)(9)(iii)), the administrative record and decision documents should explain how the remedy selection will meet the threshold criteria (i.e., ensuring the overall protection of human health and the environment, and compliance with ARARs). Generally, overall protection of human health and the environment addresses whether a remedy ensures protectiveness of human health and the environment. As stated in 40 C.F.R. § 300.430(a)(1)(iii)(D), "EPA expects to use institutional controls such as water use and deed restrictions to supplement engineering controls as appropriate for short- and long-term management to prevent or limit exposure to hazardous substances, pollutants, or contaminants." Thus, ICs may be appropriate in combination with the use of treatment and engineered controls to ensure the protection of human health and the environment. The second threshold criterion, compliance with ARARs, generally addresses whether a remedy will meet the applicable or relevant and appropriate requirements. If a selected remedy cannot satisfy this criterion, the administrative record and decision documents must contain data and information demonstrating how a waiver of the ARAR is justified under CERCLA section 121(d) (*See* also, e.g., 40 C.F.R. § 300.430(f)(5)(ii)(C)).

The administrative record and decision documents also should contain data and information showing how the primary balancing criteria (which include long-term effectiveness and permanence; reduction of toxicity, mobility or volume through treatment; short-term effectiveness; implementability; and costs) have been evaluated consistent with the NCP (e.g., 40 CFR 300.430(e)((iii)(9)). In evaluating long-term effectiveness and permanence, factors to consider generally may include expected residual risk, and the

ability of a remedy to maintain reliable protection of human health and the environment over time. Evaluating reduction of toxicity, mobility or volume through treatment reflects the statutory preference for selecting, to the maximum extent practicable, remedial actions that utilize permanent solutions, and alternative treatment technologies that permanently and significantly reduce toxicity, mobility or volume of hazardous substances, pollutants or contaminants. This statutory preference for treatment can be satisfied when treatment is used to reduce the principal threats at the site through destruction of toxic contaminants, reduction of the total mass of toxic contaminants, irreversible reduction in contaminant mobility or reduction of total volume of contaminated media. When the preference for treatment to the maximum extent practicable is not met, the reasons need to be explained in the administrative record and decision documents.

Generally, short-term effectiveness evaluates potential risks and impacts to workers, the community and the environment during construction and implementation of the remedy until cleanup levels are achieved. In general, implementability addresses factors such as the technical and administrative feasibility of a remedy from design through construction, including the availability of services and materials needed to implement a particular option, and coordination with other governmental entities. Generally, cost includes estimated capital costs, annual operation and maintenance costs (assuming a 30-year time period), and net present value of capital and operation and maintenance costs, including long-term monitoring.

The administrative record and decision documents also should explain the evaluation of the modifying criteria, which include state and community acceptance. State acceptance generally includes consideration of the state's position (e.g., does supporting agency concur with the selected remedy for the site). Community acceptance generally evaluates the public's views (e.g., community support or opposition) to the remedial alternatives and the preferred alternative presented in the Proposed Plan. consistent with the NCP, the ROD includes a responsiveness summary that summarizes the public comments and the EPA's response to those comments.

In this case, the Army refused to properly select, specify and document LUC objectives and the duration of LUCs in the September 29, 2011, draft final RODs for the four operable units in question. The September 29, 2011, draft final RODs for two operable units (LHAAP-16 and LHAAP-17), failed to identify LUCs objectives needed to protect and preserve the integrity of the groundwater monitoring and remedial systems at these two operable units (LHAAP-16 and LHAAP-17). The Army also failed to include a duration requirement for the missing LUCs objectives in the September 29, 2011, draft final RODs for operable units LHAAP-16 and LHAAP-17. aThe September 29, 2011, draft final ROD for the two military munitions response program operable units (LHAAP-001-R-01 and LHAAP-003-R-01) did not adequately address LUCs objectives, and LUCs duration requirements necessary to guard against construction, development, uses such as schools and day-care, digging and other intrusive activities that could present public/human safety risks due to potential explosive hazards that exists at the two (2) MMRP operable units. The description of the selected remedy section of the September 29, 2011, ROD for the two MMRP operable units did not adequately specify restricted uses and limitations needed to ensure the protection of human health and the environment over time; and it also failed to specify the duration of the LUCs.

Adequately addressing the LUCs objectives and duration is needed to help ensure the long-term effectiveness of a remedial action. As discussed in the NCP preamble (*See* e.g., 55 FR 8720) an analysis of long-term effectiveness includes "consideration of the degree of threat posed by the hazardous substances remaining at the site and the adequacy and reliability of any controls (e.g., engineering or institutional controls) used to manage the hazardous substances remaining at the site. The criterion is

founded on CERCLA's mandate to select remedies that are protective of human health and the environment that maintain protection over time." In this case, it is imperative that the groundwater monitoring and remedial systems designed to ensure protectiveness of human health in light of the risks posed by contaminated ground water for operable units LHAAP-16 and LHAAP-17 include controls and restrictions designed to preserve the integrity of such systems that will be relied upon to reduce the contamination and track the movement (i.e., whether the movement shows a decrease or an increase in size of the plumes; to track the vertical and horizontal movements of the plumes) of contaminated groundwater. Such systems are also needed to ensure that protection of human health and the environment is both attained and maintained over time. The groundwater contamination may present risks to at least five known active drinking water wells located near the LHAAP facility; several livestock and domestic wells located near the LHAAP facility; three water supply wells located at the LHAAP facility; and Caddo Lake, a major source of drinking water which bounds the northeastern portion of the LHAAP facility. There are also risks to human health and the environment due to the LHAAP facility's groundwater contamination location within or near the 100-year floodplain of Harrison Bayou, which drains into Caddo Lake. Without groundwater monitoring and remedial systems that can be relied upon for 117 and 280 years respectively (i.e., the estimated time-frame for the contaminated groundwater to attain drinking water standards for the LHAAP-17 and LHAAP-16 plume), the selected remedies may not ensure protection of human health and the environment in the short- or long-term.

The adequacy and reliability of the LUCs at the two MMRP operable units also are needed to ensure the protection of human health and the environment over the long-term. As provided in the Army's September 29, 2011, draft final ROD addressing operable units LHAAP-001-R-01 and LHAAP-003-R-01, it is clear between August and November 2008, the Army collectively located and destroyed over 100 munitions and explosives of concern and materials presenting a potential explosive hazard at these two MMRP operable units. Despite the above non-time critical removal work performed, the Army acknowledged public/human safety risks remained at the two MMRP operable units in light of potential explosive hazards at LHAAP-001-R-01 and LHAAP-003-R-01. Although the risk of public/human exposure or direct contact with MEC and/or MPPEH was reduced, there is the potential that some MEC remains at the operable units.

Consistent with the Army's 2007 engineering evaluation and cost analysis (EE/CA), the Army recognized that LUCs were necessary to ensure protection of human health posed by the potential explosive hazards that exist at the two (2) MMRP operable units. In light of the public/human safety threat identified, it is imperative that the LUCs objectives adequately and specifically identify restricted uses and use limitations, and specify the LUCs duration requirements in the final ROD. Due to the lack of clearly documented and specified LUC objectives and LUC duration requirements addressing use restrictions and limitations such as construction, development, uses such as schools and day-care, digging and other intrusive activities, the selected remedies for LHAAP-001-R-01 and LHAAP-003-R-01 do not ensure protection of human health and the environment over time.

Consistent with the EPA Administrator's July 8, 2010, decision in the FFA dispute with the Army Corps of Engineers concerning the former Naval Ammunition Depot, Hastings, Nebraska (referred to as the Hastings Decision), it is an important part of the site manager's responsibility to ensure that land use controls are implemented, maintained and enforced. EPA Guidance provides that the site manager's responsibilities for institutional controls do not end once the institutional controls are selected. Site managers also should ensure that the ICs are actually implemented, are reliable, are enforced, and remain effective. *See* A Site Manager's Guide to Identifying, Evaluating and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups (the Site Manager's Guide), (OSWER

9355.0-74FS-P, September 2000). It is important to note that the LHAAP operable units in question require special attention and precautions in light of the waste under the landfill cap at LHAAP-16, soil (surface and/or subsurface restricted to nonresidential use) and groundwater contamination that will remain at the operable units for years (i.e., 117 and 280 years of groundwater contamination); public/human safety risks due to potential explosive hazards (i.e., LHAAP-001-R-01 and LHAAP-003-R-01); the proximity to surface waters, including Caddo Lake, a major drinking water source; the location within the 100 year flood-plain; and the location near drinking water wells, livestock and domestic wells, and water supply well located at the LHAAP facility. In addition, all four operable units will leave hazardous substances, pollutants, and contaminants at or above levels that do not support unlimited use and unrestricted exposure, and will require five-year reviews under 40 C.F.R. § 300.430(f)(4).

As such, all relevant draft final RODs subject to this dispute resolution proceeding (i.e., LHAAP-16, LHAAP-17, LHAAP-001-R-01 and LHAAP-003-R-01) shall include LUCs objectives and duration language in accordance with the quoted provisions provided below:

For LHAAP-16:

LUCs. The LUC's objectives include maintaining the integrity of any current or future remedial or monitoring systems and preventing the use of groundwater contaminated above cleanup levels as a potable water source. The groundwater treatment and MNA remedial components include a groundwater monitoring system that will be used to characterize the condition of the groundwater during the period the groundwater remedy is in place until the groundwater remediation goals are achieved, and to demonstrate achievement of the groundwater remediation goals when the groundwater remedy is complete. As a part of this groundwater remedy, the Army will maintain the remedial and monitoring systems associated with the groundwater remedies until these components of the remedy are no longer needed to achieve cleanup levels, and when these levels have been achieved. During the period of operation of the groundwater remedy, if any of the elements of the remedial and groundwater monitoring systems are damaged, destroyed or become ineffective, they will be repaired or replaced with suitable components to ensure that the remedial and groundwater monitoring systems are able to provide data of the quality necessary to determine the progress of and eventual completion of this component of the remedy. The actions to be taken to implement these LUC objectives and requirements will be provided through modifying the "Comprehensive LUC Management Plan, Former Longhorn Army Ammunition Plant, Karnack, Texas" and detailed in the LUC RD.

The LUCs' performance objectives are to prohibit access to the contaminated groundwater except for environmental monitoring and testing only, to preserve the integrity of the landfill cap, to restrict intrusive activities (e.g., digging) that would degrade or alter the cap, to restrict land use to nonresidential, to maintain the integrity of any current or future remedial or monitoring systems and to prevent the use of groundwater contaminated above cleanup levels as a potable water source. The landfill LUCs will remain in place as long as the landfill waste remains at the site or until the levels of Contaminants of Concern (i.e., including all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Table 2-7) allow for unlimited use and unrestricted exposure. The LUCs restricting the use of groundwater to environmental monitoring and testing only and the LUC restricting land use to nonresidential will remain in place until the levels of COCs (i.e., including all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Table 2-7) in surface and subsurface soil and groundwater allow for unlimited use and unrestricted exposure. The LUC to maintain the integrity of any current or future remedial or monitoring systems will remain in place until groundwater cleanup levels of COCs (i.e., including all hazardous substances, pollutants

and contaminants found at the Site at cleanup levels as listed in Table 2-7) are met. The LUC prohibiting groundwater use (except for environmental monitoring and testing) as a potable source will remain in place until the levels of COCs (i.e., all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Table 2-7) in soil and groundwater allow for unlimited use and unrestricted exposure."

For LHAAP-17:

LUCs. The LUC objectives include maintaining the integrity of any current or future remedial or monitoring systems and preventing the use of groundwater contaminated above cleanup levels as a potable water source. The groundwater treatment and MNA remedial components include a groundwater monitoring system that will be used to characterize the condition of the groundwater during the period the groundwater remedy is in place until the groundwater remediation goals are achieved, and to demonstrate achievement of the groundwater remediation goals when the groundwater remedy is complete. As a part of this groundwater remedy, the Army will maintain the remedial and monitoring systems associated with the groundwater remedies until these components of the remedy are no longer needed to achieve cleanup levels, and cleanup levels have been achieved. During the period of operation of the groundwater remedy, if any of the elements of the remedial and groundwater monitoring systems are damaged, destroyed or become ineffective, they will be repaired or replaced with suitable components to assure that the remedial and groundwater monitoring systems are able to provide data of the quality necessary to determine the progress of and eventual completion of this component of the remedy. The actions to be taken to implement these LUC objectives and requirements will be provided through modifying the "Comprehensive Land Use Control (LUC) Management Plan, Former Longhorn Army Ammunition Plant, Karnack, Texas" and detailed in the LUC RD.

The LUC for prohibition of groundwater use (except for monitoring and testing) shall be implemented and shall remain in place at the Site until the COCs (i.e., including all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Tables 2-10) in soil and groundwater remaining at the site are reduced below levels that would support unlimited use and unrestricted exposure. A LUC RD will be finalized as the land use component of the Remedial Design. Within 21 days of the issuance of the ROD, the Army will propose deadlines for completion of the RD Work Plan, RD and Remedial Action Work Plan. The documents will be prepared and submitted to the EPA and the TCEQ pursuant to the FFA. The LUC RD will contain implementation and maintenance actions, including periodic inspections. The recordation notification for the Site, which will be filed with Harrison County, will include a description of the LUCs. The preliminary boundary for the groundwater LUC is shown on **Figure 2-5**.

The LUC restricting land use to nonresidential shall be implemented until it is demonstrated that surface and subsurface soil and groundwater COCs (i.e., including all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Tables 2-10) are at levels that allow for unlimited use and unrestricted exposure.

The LUC to maintain the integrity of any current or future remedial or monitoring systems will remain in place until the levels of COCs (i.e., including all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Tables 2-10) in groundwater are met. The LUC to prohibit groundwater use (except for environmental monitoring and testing) as a potable source will remain in place until the levels of COCs (i.e., all hazardous substances, pollutants, and contaminants found at the Site at cleanup levels as listed in Table 2-10) in soil and groundwater allow for unlimited use and unrestricted exposure."

For LHAAP-001-R-01 and LHAAP-003-R-01:

LUCs. LUCs were designed and constructed to promote ongoing protection of human safety against potential explosive hazards that may remain at the MMRP sites. The LUCs' performance objectives are to prohibit the development and use of the property for residential housing, elementary and secondary schools, and child care facilities and playgrounds, and to prohibit intrusive activities such as digging or any other activity which could result in explosive safety risks. The recordation notification for the sites which will be filed with Harrison County will include a description of the LUCs. The boundary of the LUCs encloses the site boundaries shown on **Figures 2-7** and **2-8**. The locations of the signs are also shown on **Figures 2-7** and **2-8**. The details for the LUCs will be included in the RD. The LUC to prohibit residential land use will remain in place until it is demonstrated that the MEC no longer presents a threat to public/human safety. The LUC restricting land use to nonresidential will remain in place until it is demonstrated that the MEC no longer presents a threat to public/human safety. A LUC to prohibit intrusive subsurface activities, including digging, will remain in place until it is demonstrated that the MEC no longer present an explosive hazard. However, intrusive subsurface activities may occur provided that the Army and the EPA approve such intrusive subsurface activities before they are commenced and provided that they are undertaken by qualified personnel who are trained in explosives safety measures."

STIPULATED PENALTIES

This stipulated penalties determination is based upon relevant provisions found in the LHAAP FFA, factual determinations, and precedents cited. The EPA assessed stipulated penalties against the Army by letter dated October 13, 2011. The assessment was made because the Army's September 2011 three draft final RODs failed to comply with CERCLA, the NCP, and the EPA Guidance. The three draft final RODs addressed the four operable units at issue here (i.e., LHAAP-16, LHAAP-17, LHAAP-001-R-01 MMRP, and LHAAP-003-R-01 MMRP). Sections XIX (Selection, Design, and Implementation of Remedial Actions), and IV (Purpose) of the LHAAP FFA require the Army to comply with CERCLA, the NCP, and EPA CERCLA guidance documents when drafting primary documents such as the three draft final RODs for the four operable units. The three draft final RODs submitted by the Army failed to satisfy the LHAAP FFA provisions cited above. EPA assessed stipulated penalties in accordance with Section XXIV.A (Stipulated Penalties) of the FFA because the Army failed to submit the draft final RODs (primary documents) "pursuant to the appropriate timetable or deadline in accordance with the requirements of this Agreement" and the Army failed "to comply with a term or condition of this Agreement which relates to an operable unit or final remedial action."

The EPA's October 13, 2011, notice of violation and penalty assessment letter assessed penalties of $5,000 for the first week, which in this case started the first week following September 30, 2011, for each of the four operable units in question, and $10,000 per operable unit for each additional week (or part thereof) until all the failures for the operable units in question are resolved, consistent with the FFA. As evidenced by the EPA letter dated February 15, 2012, the EPA stayed the running of stipulated penalties from November 30, 2011, through February 23, 2012.

In the October 13, 2011, notice of violation and penalty assessment letter, the EPA assessed stipulated penalties on an operable unit basis for each of the four operable units affected by the Army's three draft final RODs. The Army submitted three draft final RODs: one each for LHAAP-16 and LHAAP-17, on September 29, 2011, and a single one for LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP, on September 27, 2011. The EPA could have assessed the penalties on a per violation basis, which may

have led to a higher penalty, or on a per ROD basis, which could have led to a lower penalty. The LHAAP FFA does not limit the EPA's discretion regarding assessing the penalty on a per violation, per ROD or per operable unit basis. There are two important consequences of assessing the penalties on a per operable unit or per ROD basis. First, a penalty for an operable unit or ROD is sustainable so long as at least one failure alleged by the EPA for that operable unit or ROD is found to have occurred. This means it is not necessary to find that all failures alleged by the EPA occurred for an operable unit or ROD to sustain the total penalty amount. Second, the penalty for an operable unit or ROD will continue to accrue until the Army corrects all failures for that operable unit or ROD.

Section XXIV.B of the LHAAP FFA gives the Army an opportunity to show that the failure did not occur and that it would not be responsible for paying the stipulated penalties. The Army has not demonstrated during this dispute that all failures alleged by the EPA did not occur. Rather, the Army argued in its November 4, 2011, letter to the EPA that there was no basis for the assessment of stipulated penalties because it submitted the required primary documents in a timely fashion and therefore, stipulated penalties may not be assessed. However, as provided in the FFA, stipulated penalties are not limited merely to late submissions. Each of the eight issues specified in the EPA's October 27, 2011, letter to the Army alleged a failure by the Army to comply with CERCLA, the NCP, or the EPA guidance for the selection, design and implementation of remedial actions as required by Sections IV (Purpose) and Section XIX (Selection, Design, and Implementation of Remedial Actions) of the LHAAP FFA. CERCLA Section 120(a)(2) also provides that the Army shall comply with CERCLA, the NCP and guidelines and criteria applicable to remedial actions, and prohibits the Army from using any guidelines or criteria that are inconsistent with the EPA's. Pursuant to Section XXIV.B (Stipulated Penalties) of the FFA, and the EPA Administrator's June 12, 2008, Final Decision in the FFA dispute with the Navy at Brunswick Naval Air Station, the sole issue here is whether the failures "did in fact occur."

Under the first basis for a stipulated penalty, the Army's failure to submit the draft final RODs "pursuant to the appropriate timetable or deadline in accordance with the requirements of this Agreement," the EPA may assess a penalty if the primary document is late or if it fails to comply with CERCLA, the NCP or applicable the EPA guidance. The ability to obtain a stipulated penalty for the failure of a primary document to comply with CERCLA, the NCP or the EPA guidance was confirmed in the EPA Position issued by the EPA Region 10 Regional Administrator in the FFA dispute with the Navy at the Jackson Park Housing Complex (Jackson Park), on October 7, 2009. Because the Navy did not elevate that EPA Position to the EPA Administrator, the EPA Position became the final resolution of that dispute. The rationale in the Jackson Park EPA Position applies to the penalties assessed here because the October 13, 2011, penalty assessment letter cited both bases for a penalty (draft final primary document that fails to comply with the requirements of the FFA, and a failure related to an operable unit or remedial action) to support the stipulated penalty, including the first basis that was at issue in the Jackson Park dispute. It also is consistent with the EPA and Department of Energy (DOE) 1991 resolution of the same issue in the Fernald FFA dispute, where, after the dispute was elevated to the EPA Administrator, the parties agreed that the failure of a draft final primary document to comply with CERCLA, the NCP or the EPA guidance was subject to a stipulated penalty. The FFA at issue at Fernald had substantially the same FFA stipulated penalties provision as in the Longhorn FFA, both of which are based upon model language agreed to by the EPA, the Department of Defense and the DOE. It would be inappropriate to interpret the language one way for the DOE and another for the Army.

The second basis for the stipulated penalty, the Army's failure "to comply with a term or condition of this Agreement which relates to an operable unit or final remedial action," also hinges on whether the Army's three draft final RODs for the four operable units complied with CERCLA, the NCP and the

EPA guidance. Each of the eight issues relates to an operable unit and a draft final ROD. Consequently, the analysis for each of the eight underlying violations will be the same for both bases for the penalty: whether the Army's draft final RODs failed to comply with CERCLA, the NCP or the EPA guidance. The Army's October 27, 2011, letter did not address the second basis for the penalty assessment.

The Army, in a March 30, 2012, letter on the Longhorn stipulated penalties wrote, "This attempted use of stipulated penalties for disagreement on text is not provided in Section XXIV of the FFA, and is fundamentally inconsistent with Federal policy favoring good faith cooperative dispute resolution. *See* OMB/CEQ Memorandum on Environmental Conflict Resolution, dated Nov. 28, 2005, (currently in the process of reissuance)." CERCLA 120(e)(4)(A) gives the EPA joint remedy selection authority, with sole remedy selection authority in case of a disagreement. Consequently, the EPA views this dispute as far more than a "disagreement on text" because the language memorialized in the RODs ultimately affects whether the remedy will be protective. As for the OMB/CEQ Memorandum, it encourages the use of Environmental Conflict Resolution (Alternative Dispute Resolution using a third-party neutral) by federal agencies to resolve "environmental, public lands, or natural resource issues or conflicts" for disputes with outside parties and interagency disputes. It does not mandate the use of Environmental Conflict Resolution. Here, the parties have mutually agreed on how disputes will be resolved in section XV of the FFA, including the agreement in section XV.K that the resolution of a dispute under these procedures will be final and all parties will abide by it. The use of the voluntary Environmental Conflict Resolution process is inconsistent with the FFA dispute resolution process and is not a prerequisite to the assessment of stipulated penalties under the FFA.

Having explained why the EPA may assess stipulated penalties for the failure of the three draft final RODs to comply with CERCLA, the NCP or the EPA guidance, I now analyze whether there was such a failure for each Dispute Issue.

Dispute Issue One: Groundwater Cleanup Standards at LHAAP-16 and LHAAP-17; Groundwater Monitoring Standards at LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP

The Army's draft final RODs did not conform to CERCLA, the NCP and the EPA guidance because they inappropriately relied on the Texas industrial/non-residential use drinking water standards to select groundwater cleanup and monitoring levels. As explained above in "Groundwater Cleanup Standards," the Army's use of the Texas MSC industrial/non-residential drinking water standard is inconsistent with the protectiveness standards for remedies in CERCLA, the NCP and the EPA guidance because the groundwater at Longhorn AAP is a potential drinking water source, and land use restrictions and limitations should not be a basis to establish cleanup standards for potential drinking water sources. *See* Summary of Key Existing EPA CERCLA Policies for Groundwater Restoration, OSWER Directive 9283.1-33 (June 2009) at page 7. In addition, restoration of contaminated groundwater to drinking water quality is consistent with CERCLA 121(b) and the NCP at sections 300.430(a)(1) and 300.430(e)(2)(i)(B) and (C). This penalty is sustained based upon the inappropriate industrial/non-residential groundwater standards used by the Army in its three draft final RODs. The June 2012 revisions to the Texas PCLs do not change the outcome for the penalty for the Army's use of the inappropriate industrial/non-residential groundwater standards because the failure that justifies the penalty was complete when the Army submitted the draft final RODs, and the revised industrial/non-residential PCLs would not be appropriate for groundwater at the Site, which is a potential source of drinking water.

The Army's failure to comply with the above CERCLA and NCP requirements and to conform to the EPA guidance in the three draft final RODs support the entire stipulated penalty assessed for the four

operable units.

Dispute Issues Two and Three: Land Use Control Objectives and Their Duration

The EPA assessed stipulated penalties in part because the September 29, 2011, draft final ROD for LHAAP-16 did not have LUC objectives to protect and maintain the integrity of the groundwater monitoring system and remedial system, and lacking those objectives, it also did not have the duration for the LUC objectives. The Army did include a LUC objective for maintaining the integrity of the landfill cap in the September 29, 2011, draft final ROD for LHAAP-16. The Army also did not include a LUC objective to protect and maintain groundwater monitoring systems and remedial systems in the September 29, 2011, draft final ROD for LHAAP-17. As such, the Army's draft final RODs did not have a duration for the missing LUCs objectives. In addition, the September 29, 2011, draft final RODs for the two MMRP operable units (LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP) did not adequately address LUC objectives or duration of LUCs necessary to protect against construction, development, digging and other intrusive activities that could present public/human safety risks due to explosive hazards at the Sites.

The Army's failure to include and adequately address the LUC objectives and LUCs duration in its three draft final RODs for all four operable units, support the assessment of a stipulated penalty for the reasons explained above in "Land Use Controls and Duration."

Dispute Issue Four: Remedial Action Selection Authority and LUCs Modification

The EPA assessed a stipulated penalty because language in the Army's three draft final RODs for the four operable units provided that the Army could change, modify or terminate a LUC without recognizing the EPA's and the TCEQ's role under the LHAAP FFA, CERCLA and the NCP. These provisions in the draft final RODs were inconsistent with Section 120(e)(4)(A) of CERCLA, which provides that the EPA and the other federal agency (i.e., the Army) jointly select a remedy at federal facility sites on the National Priorities List, and that the EPA alone selects the remedy if the parties cannot reach agreement. The NCP at 40 C.F.R. § 300.430(f)(4)(iii)(B), also reflects the EPA's ultimate remedy selection authority where there is a dispute ("if mutual agreement on the remedy is not reached, selection is of the remedy is made by EPA"). CERCLA Section 120(g) prohibits the transfer of any authority granted to the Administrator under Section 120 to any person outside of the EPA. The EPA's remedy selection authority at federal facility NPL sites would be eviscerated if other agencies could modify the selected remedy (including changing, modifying or terminating a LUC that is part of the selected remedy) without the EPA's approval.

The LUC modification provisions in the three draft final RODs also were inconsistent with the Longhorn FFA. The CERCLA Section 120(e)(4)(A) statutory requirement for remedy selection is incorporated into Section XIX of the FFA (Selection, Design and Implementation of Remedial Actions). This section of LHAAP FFA in part provides, "the ROD will be finalized jointly by the Army and EPA, or if they are unable to reach an agreement about the selection of the remedial action, by the EPA Administrator." Furthermore, Section VIII (Subsequent Modification of Final Reports) of the FFA governs the process the parties (i.e., the Army, the EPA and the TCEQ) have agreed to with respect to modification of a final primary report, and RODs are final primary reports. If the parties do not agree on the modification to a ROD, which would include a change, modification or termination of a LUC, the issue will be subject to dispute under Section XV (Dispute Resolution) of the FFA, which imparts the ultimate decision-making authority to the EPA Administrator.

The Army's LUC modification provisions in the draft final RODs were inconsistent with CERCLA, the NCP and the LHAAP FFA, and thus failed to comply with the LHAAP FFA. Consequently, the stipulated penalty is sustained on this basis.

Dispute Issue Five: Leak Detection and Leachate Collection as ARARs for the LHAAP-16 Landfill

Issue five involved the identification of ARARs for the landfill at the LHAAP-16 operable unit, including whether the RCRA post-closure requirements for leak detection systems and leachate collection systems (40 C.F.R. §§ 264.228(b)(2) and (3); 264.310(b)(2) and (3)) were ARARs. During the course of DRC and SEC deliberations, the EPA believes the parties reached unanimous agreement that these provisions were not ARARs for the LHAAP-16 ROD.

Because the EPA assessed penalties on a per operable unit basis rather than a per violation basis, and there are failures identified in other issues that support a stipulated penalty for LHAAP-16, it is not necessary to determine whether Dispute Issue five was a failure that independently would support a stipulated penalty.

Dispute Issue Six: LUCs Administrative Mechanism and Site Property Transfer

Issue six involved the failure of the Army's three draft final RODs for the four LHAAP operable units to identify the mechanisms that would be used to implement the RODs' LUC objectives. The draft final RODs did not identify how the Army would implement the LUC objectives while it owned the property, what actions the Army would take to ensure that transferees knew the LUC objectives and who was responsible for continued compliance with the LUCs following transfer.

The LUCs are an essential part of the remedy. They contribute to its overall protectiveness and long-term effectiveness. In addition, the NCP at 40 C.F.R. § 300.430(f)(5)(ii)(A), requires the ROD to document how the selected remedy is "protective of human health and the environment, explaining how the remedy eliminates, reduces, or controls exposures to human and environmental receptors." The ROD must document that these exposures will be controlled over time. The Army's draft final RODs failed to include how the LUCs would be implemented, both before and after transfer of the Site property. Specifically, the three draft final RODs failed to document that the Army would notify the state and local government, and an expected new owner of part of LHAAP of the contamination at the Army property and the associated LUCs. In addition, the expected new owner will likely have responsibilities for maintaining, or at a minimum not interfering with, the integrity of the LUCs over time. The Army did not address what would happen to the LUCs post-transfer. In order for the RODs to control exposures over time, they must document who is responsible for ensuring the controls' viability over time. Finally, as stated in the October 2003 "Principles and Procedures for Specifying, Monitoring, and Enforcement of Land Use Controls and Other Post-ROD Actions," referred to herein as the "Navy Principles" (which the Army also agreed to), the ROD at transferring properties will need to be crafted based on the responsibilities of the new owner, and the ROD should identify the entities responsible for implementing, monitoring and reporting on and enforcing the LUCs.

The draft final RODs also omitted the identification of the enforceable document designed to foster execution of the LUC objectives. Such omission is also inconsistent with the EPA guidance, including the March 17, 2008, OSWER Directive No. *9208.2* "'Enforcement First' to Ensure Effective Institutional Controls at Superfund Sites" and "Institutional Controls, A Guide to Planning, Implementing, Maintaining, and Enforcing Institutional Controls at Contaminated Sites" (Interim Final, November 2010). The "Enforcement First" guidance stressed the importance of ensuring the

implementation and maintenance of ICs through the consent decree, making the ICs enforceable by the EPA. The omission of how the Army would implement and enforce the LUC objectives also was inconsistent with CERCLA Guidance (Institutional Controls: A Site Manager's Guide to Identifying, Evaluating and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups, OSWER 9355.0-74fs-p (September 2000) at pp. 5-6), which stresses the importance of identifying the mechanism that will be used to implement a LUC objective, and who will be responsible for LUCs implementation as described under CERCLA's nine-part selected remedial action analysis. It also directs the site manager to "discuss the enforcement mechanisms that are anticipated to ensure the long-term reliability of the ICs." *See* "Checklist of Implementing ICs" which is attached to the end of the Site Manager's Guide. The omission is also inconsistent with the Navy Principles: "Likewise a LUC Remedial Design (RD) or Remedial Action Work Plan (RAWP) describes those actions that are needed to ensure viability of both long-term engineered and institutional control remedies." The Navy Principles state that the LUC implementation actions will be included in either the RD or the RAWP which are enforceable documents in standard FFAs. The Army's proposal was that these actions would be included in a document that was not enforceable under the terms of the FFA. The Army's failure to comply with the NCP, and the EPA Guidance noted herein violate the LHHAP FFA's requirements at Sections IV (Purpose) and Section XIX (Selection, Design, and Implementation of Remedial Actions), mandating compliance with the NCP and the EPA guidance with respect to the selection, design and implementation of remedial actions. The Army's failure to include in its three draft final RODs for the four LHAAP operable units a description of the mechanisms to implement the LUC objectives and related LUC notice and responsibility provisions before and after transfer, support the assessment of a stipulated penalty for Dispute Issue six.

Dispute Issue Seven: Enforceable Plan for LUC Objectives for Munitions and Explosives of Concern

Issue seven involved the Army's failure to include an enforceable plan to implement LUC objectives related to munitions and explosives of concern in the draft final ROD for the two military munitions related operable units, LHAAP-001-R-01-MMRP and LHAAP-003-R-01 MMRP. The draft final ROD included a reference to a removal action workplan for LUC implementation, and the referenced workplan is not identified as an enforceable primary report document subject to dispute resolution under the LHAAP FFA. The LUCs are an essential part of the selected remedy, and selected remedial actions must be developed and designed from implementation through construction consistent with the remedial design provisions found at 40 C.F.R. § 300.435(a) and (b). The LUCs contribute to the selected remedial actions overall protectiveness and long-term effectiveness. The Army's failure to identify and include an enforceable LUCs remedial design plan to implement the MEC-related LUCs failed to comply with the FFA and supports the penalty for Dispute Issue seven for the reasons explained above for Dispute Issue six.

The draft final ROD also failed to document how the Army would implement in accordance with 40 C.F.R. § 300.430(f)(5) and enforce the LUCs component of the selected remedial action, and coordinate with other agencies under 40 C.F.R. § 300.430(f)(5). The removal action LUC's workplan specified in the Army's final draft ROD is not identified as a viable plan for use under the LHAAP FFA, and is inconsistent with the remedial design requirements at 40 C.F.R. § 300.435(a). As stated above, the omission of how the Army would implement the LUC objectives also was inconsistent with CERCLA Guidance (Institutional Controls: A Site Manager's Guide to Identifying, Evaluating and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups, OSWER 9355.0-74fs-p (September 2000) at pp. 5-6), which stresses the importance of identifying the mechanism that will be used to implement a LUC objective, and who will be responsible for LUCs implementation as described under CERCLA's nine-part selected remedial action analysis. The Army's failure to include in its draft

final ROD for LHAAP-001-R-01-MMRP and LHAAP-003-R-01-MMRP, a description of an enforceable plan to implement the MEC-related LUC objectives, and how it would be implemented and coordinated with other agencies, violates the LHHAP FFA's requirements at Sections IV (Purpose) and Section XIX (Selection, Design, and Implementation of Remedial Actions), mandating compliance with CERCLA, the NCP, and the CERCLA guidance with respect to the selection, design and implementation of remedial actions. This failure supports the assessment of a stipulated penalty for Dispute Issue seven.

Dispute Issue Eight: Identification of Principal Threat Wastes for Munitions and Explosives of Concern

Issue eight involved the failure to adequately address MEC principal threat wastes in the Army's draft final ROD for the two military munitions related operable units, LHAAP-001-R-01-MMRP and LHAAP-003-R-01 MMRP. In general, a principal threat waste is one that may pose risks to human health or the environment due, among other things, to its toxicity or mobility. Consistent with 40 C.F.R. § 300.430(a)(1)(iii)(A), there should have been an analysis of treatment options for the principal threat wastes at a site, reflecting CERCLA Section 121(b)'s preference for treatment. CERCLA guidance (A Guide to Principal Threat and Low Level Threat Wastes, OSWER 9380.3-06FS (November 1991), provides information concerning the identification and documentation of principal threat wastes.

The Army's draft final ROD for the two MMRP operable units provided, in part, "[t]here are no known principal threat wastes at these two MRS sites." The EPA was concerned about the statement's potential to mistakenly create the impression that there were no principal threat wastes at the operable units, when there were no data or information in the administrative record to show or support a comprehensive investigation or evaluation specifically developed, designed and conducted to support such a position. During the SEC deliberations, the parties agreed to replace the Army's statement with, "[t]here are currently no known principal threat wastes at these two MRS sites (LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP)."

Because the EPA assessed penalties on a per operable unit basis rather than a per violation basis, and there are failures identified in other issues that support a stipulated penalty for the draft final ROD for the two MMRP operable units, it is not necessary to determine whether Dispute Issue eight was a failure that independently would support a stipulated penalty.

STIPULATED PENALTIES CONCLUSION

Stipulated penalties are sustained for Dispute Issues one (Groundwater Cleanup and Monitoring Standards), two and three (Land Use Control Objectives and Their Duration), four (Remedial Action Selection Authority and LUCs Modification), six (LUCs Administrative Mechanism and Site Property Transfer), and seven (Enforceable Plan for LUC Objectives for Munitions and Explosives of Concern). As noted above, the EPA assessed penalties on a per operable unit basis for the four OUs, and a penalty will be sustained so long as at least one failure is sustained for an OU. In addition, penalties will continue to accrue at $10,000 per week per OU, or $40,000 per week, until all failures for the OUs are corrected. The Army has not corrected the failures for any of the issues, so penalties have continued to accrue, except for the 11 week period when EPA temporarily stayed the accrual of penalties. Thus, the penalties due as of December 10, 2012, were $2,020,000, and could continue to accrue at $40,000 per week until the failures were corrected.

Former EPA Administrator Johnson, in his 2008 decision in the FFA dispute on stipulated penalties at the Brunswick, Maine, Naval Air Station, explained that because the sole issue in a formal FFA dispute

over stipulated penalties is whether the alleged failure occurred, the EPA will not bargain with the other agency over the amount of the penalty during the formal FFA dispute resolution process. However, under the EPA guidance, the EPA always has the authority to unilaterally reduce a stipulated penalty it has assessed. *See, e.g., Guidance on the Use of Stipulated Penalties in Hazardous Waste Consent Decrees,* Thomas L. Adams, Assistant Administrator, Office of Enforcement and Compliance Monitoring (Sept. 21, 1987) at five. This authority was the basis for the earlier 11 week stay of the accrual of penalties.

As a matter of unilateral EPA enforcement discretion, I have determined that stopping the accrual of penalties as of September 28, 2012, the date of the last written communication among the SEC, is warranted for this particular dispute. At that point, the issuance of this EPA Position was solely under the control of the EPA, and the resolution of the many complex issues in this dispute has caused the EPA to take much longer than usual to issue the EPA Position. In addition, although the EPA had the discretion to assess the penalties on a per OU basis, I find that it is appropriate to sustain the penalties on a per ROD basis because the dispute involved failures by the Army to comply with the FFA in each of the three draft final RODs. Therefore, the total penalty will be $1,185,000, calculated as follows:

	Start Date	**End Date**	**$/ROD/week**	**RODs**	**Weeks**	**Total as of End Date**
Assessed	Sept. 30, 2011	Oct. 7, 2011	$5,000	3	1	$15,000
Rate >	Oct. 7, 2011	Nov. 30, 2011	$10,000	3	8	$255,000
Stayed	Nov. 30, 2011	Feb. 23, 2012	$0	3	11	$255,000
Restarted	Feb. 23, 2012	Sept. 28, 2012	$10,000	3	31	$1,185,000

DECISION

The above determinations represent the EPA Position concerning the disputed matters addressed herein, including the assessment of stipulated penalties. The determinations were made upon careful review and consideration of all the materials listed/indexed with this decision, as well as CERCLA, the NCP, and standards provided in the LHAAP FFA. In light of the SEC oral agreements and this EPA Position, all RODs subject to this dispute will include the required language modifications as specified herein for issues 1, 2, 3, 4, 5, 6, 7, and 8, in accordance with the LHAAP FFA. Language inconsistent with the SEC oral agreements and the EPA Position shall not be incorporated in the final RODs subject to this dispute. This decision also requires payment of the stipulated penalty amount assessed herein unless the issue is elevated to the next level. The EPA Position will constitute the final decision of the EPA, unless the disputed matters, including stipulated penalties, are elevated to the EPA Administrator within 14 days of its issuance. Should this EPA Position become the final decision of the EPA, it shall be implemented and complied with in accordance with the terms of the LHAAP FFA.

So rendered on: 04/5/2013
By: _____
Ron Curry
Regional Administrator

Enclosure

TABLE OF LISTED/INDEXED MATERIALS CONSIDERED

1. Longhorn FFA (1991)
2. Army's September 30, 2011, Draft Final RODs
3. EPA's October 13, 2011, Notice of Violation and Stipulated Penalty Assessment
4. Army's October 27, 2011, Response to EPA's Notice of Violation and Stipulated Penalty Assessment
5. EPA's October 27, 2011, Written Statement of Dispute
6. November 17, 2011, Army Response to the EPA's October 27, 2011, Written Statement of Dispute and Submission of Revised Draft Final RODs
7. 2009 Summary of Key Existing EPA CERCLA Policies for Groundwater Restoration
8. Revised Assessment Guidance for Perchlorate
9. Clarification of the Role of Applicable, or Relevant and Appropriate Requirements in Establishing Preliminary Remediation Goals under CERCLA
10. January 2004 Drinking Water Health Advisory for Manganese
11. April 2012 Edition of Drinking Water Standards and Health Advisories
12. EPA Administrator's July 8, 2010, Final Decision, former Naval Ammunition Depot, Hastings, Nebraska
13. Institutional Controls: A Site Manager's Guide to Identifying, Evaluating and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups
14. Army's November 4, 2011, letter to EPA Requesting Penalty Withdrawal
15. EPA Administrator's June 12, 2008, Final Decision, Brunswick Naval Air Station
16. EPA Region 10 Regional Administrator October 7, 2009, Written Position, Navy Jackson Park Housing Complex
17. EPA's February 15, 2012, letter from EPA to the DRC concerning Penalties and Written Agreements
18. Army's February 16, 2012, email to EPA Requesting Penalty Withdrawal
19. EPA's March 12, 2012, letter to Army concerning Penalties
20. Army's March 30, 2012, letter Requesting Referral of the Penalty Dispute to the SEC and Penalty Withdrawal
21. EPA's April 5, 2012, letter Requesting Referral of the Dispute to the SEC and Penalty Justification
22. September 28, 2012, Revised Draft Final RODs for LHAAP Operable Units (Site 16, Site 17, LHAAP-001-R-01 MMRP and LHAAP-003-R-01 MMRP)
23. March 17, 2008 OSWER Directive No. *9208.2*, Enforcement First to Ensure Effective Institutional Controls at Superfund Sites
24. Institutional Controls, A Guide to Planning, Implementing, Maintaining, and Enforcing Institutional Controls at Contaminated Sites (Interim Final, November 2010)
25. October 2, 2003 U.S. Navy Principles and Procedures for Specifying, Monitoring, and Enforcement of Land Use Controls and Other Post-ROD Actions
26. Figure: 30 TAC §350.74(a): Risk-Based Exposure Limit Equations and Default Exposure Factors for Residents

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APR 19 2013

Mr. Ron Curry
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Region 6
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Mr. Zak Covar
Executive Director
Texas Commission on Environmental Quality
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Dear Mssrs. Curry and Covar:

In reference to the letter from Mr. Curry dated April 5, 2013 regarding the disputed issues associated with three Records of Decision (RODs) for certain CERCLA response action sites at the former Longhorn Army Ammunition Plant (LHAAP). The letter provides the decision for the Environmental Protection Agency (EPA) at the dispute resolution Senior Executive Committee (SEC) level described in the LHAAP Federal Facilities Agreement (FFA) which was executed by our three agencies with a final signature date of October 16, 1991. By this letter, I hereby elevate several disputed issues to the EPA Administrator pursuant to the FFA Section XV.F, as further described below. In accordance with the FFA Section XV.G, the Army requests that its Secretariat Representative meet with the EPA Administrator and the Executive Director of the Texas Commission on Environmental Quality (TCEQ) to discuss the disputed issues. The Army's Secretariat Representative for the remaining disputed issues is the Assistant Secretary of the Army for Installations, Energy and Environment, Ms. Katherine Hammack.

The April 5th EPA letter states that FFA dispute issues **4. Post-ROD LUC responsibilities , 5. RCRA post-closure care ARARs, 6. LUC responsibility before and after Army transfer of land accountability to FWS, 7. LUC RD language, and 8. Potential future ID of "principal threat waste"** are resolved. While the Army had understood that these five issues were resolved by the SEC in the summer of 2012, the recent April 5th EPA letter has added a new sentence, "'[t]he long-term groundwater and surface water monitoring and MNA performance monitoring plan will also be presented in the RD" to the proposed resolution language for Issue #7 that was not previously presented to the SEC or discussed with the Army. It is agreed that the rest of the paragraph for Issue 7 is acceptable to the Army and this issue can be considered

resolved if the new sentence is not included. That new sentence is fundamentally associated with Issue #2, and should be addressed in the discussions of that issue.

By agreement on these five issues, the Army does not agree that the Army's positions on these matters were at any time contrary to CERCLA, the NCP, or applicable EPA guidelines, or that the proposed Army remedial actions for these sites were not protective of human health and the environment as required by CERCLA. The agencies disagreed on the resolution of certain EPA comments on the three RODs in question, discussed various ways to address the concerns of our agencies, and reached resolution on issues 4,5,6,7 and 8 using the FFA dispute resolution process.

The Army elevates FFA dispute Issues **1. Remediation goals for perchlorate in groundwater at LHAAP sites 16 and 17, and 2. LUCs for maintenance of groundwater monitoring system.** The April 5th letter has expanded and changed the substance of Issue #1 from the substantive discussions at the SEC dispute resolution level. The Army understanding is that the dispute with respect to Issue #2 is that Army has agreed to protect the integrity and long-term reliable operation and maintenance of the groundwater monitoring system by including it as a remedy component, while Region 6 requires it as a LUC Objective. Army also elevates FFA dispute Issue **7. LUC RD language** only with respect to the newly added sentence described above, but suggests that it should be consolidated with Issue #2.

The Army elevates FFA dispute Issue **3. LUCs remain in place until unlimited use and unrestricted exposure (UU/UE)**. Although the Army believed that Issue #3 was resolved as early as December 2011, EPA Region 6 states in its April 5 letter that this issue is not resolved. Following resolution of this issue at the SEC level in the summer of 2012, EPA raised new dispute language addressing MEC in MMRP ROD LHAAP-001-R-01 and LHAAP-003-R-01. Also, as best as Army can understand, EPA disputes that Army has not agreed to a duration for LUCs to protect the integrity of the groundwater monitoring system – LUCs which Army disputes under Issue #2. Army nonetheless agrees, as it did in December 2011, that the RODs will provide that the LUCs will remain in place for the soil and groundwater until the levels of hazardous substances allow for UU/UE at the Site. Finally, the Army is **elevating the EPA assessment of stipulated penalties**, demanded in the amount of $1,185,000 or more, as stated in the April 5 letter and prior correspondence on this subject.

Ms. Hammack is looking forward to an opportunity to meet and confer with the EPA Administrator and the TCEQ Executive Director on these remaining dispute issues in the near future. The Army will provide its positions on these elevated FFA dispute issues to the EPA Administrator and the TCEQ Executive Director in advance of the meeting.

My point-of-contact to facilitate scheduling of the next meeting is Ms. Irene Chamberlain at 703-697-2014 The Army remains hopeful that these matters can be resolved through the FFA dispute resolution process, so that the final environmental remedies will be implemented in the near future, and the property can transfer to the U.S. Fish and Wildlife Service for its use as a wildlife conservation refuge, enhancing the environment in east Texas for all time.

Sincerely,

Hershell E. Wolfe
Deputy Assistant Secretary of the Army
(Environment, Safety and Occupational Health)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 – 2733

Office of the Regional Administrator

May 16, 2013

Mr. Hershell Wolfe
Deputy Assistant Secretary of the Army
for Environment, Safety, and Occupational Health
600 Army Pentagon
Washington, D.C. 20310-0600

RE: In the Matter of the United States Department of Army, Longhorn Army Ammunition Plant, Federal Facility Agreement Under CERCLA Section 120

Dear Mr. Wolfe:

Thank you for your letter dated April 19, 2013, elevating the dispute arising under the CERCLA Section 120(e) interagency agreement (commonly referred to as a Federal Facility Agreement), regarding the three Records of Decision for four Operable Units at the Longhorn Army Ammunition Plant.

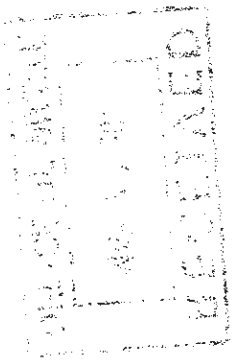
In accordance with the FFA, the EPA Administrator will hear, resolve and/or make a final determination regarding this dispute as we agreed in Section XV (Dispute Resolution). As such, please direct future Army correspondence concerning this dispute to the EPA Administrator's Office with a carbon copy to, Mr. David Kling, Director of the Federal Facilities Enforcement Office in the EPA's Headquarters and Mr. Carl Edlund, Region 6 Superfund Division Director. Mr. Kling, who may be contacted at (202) 564-2510, will make arrangements for the meeting between the EPA, the Army and the Texas Commission on Environmental Quality as soon as the Army submits the additional information referenced in its April 19, 2013, letter.

If I can be of further assistance to you, please contact me at (214) 665-2100.

Sincerely,

Ron Curry
Regional Administrator

cc: Mr. Zak Covar
Executive Director, Texas Commission on Environmental Quality



EPA

United States
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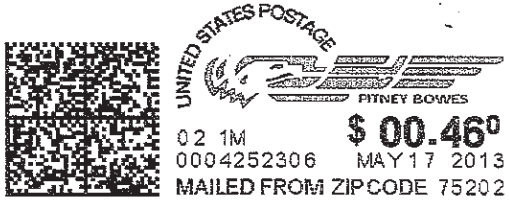

RE-169

Zak Covar
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Texas Commission on Environmental Quality
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