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IN SITU BIOREMEDIATION PROGRAM
JANUARY THROUGH MARCH 2015
PROGRESS UPDATE
FORMER 901/902 THOMPSON PLACE
SUNNYVALE, CALIFORNIA

By Haley & Aldrich, Inc.
Oakland, California

For Advanced Micro Devices, Inc.
Sunnyvale, California

File No. 39751-015
April 2015

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10 April 2015
File No. 39751-015

United States Environmental Protection Agency
Region 9
75 Hawthorne Street (SFD-7-1)
San Francisco, California 94105

Attention: Ms. Melanie Morash

Subject: In Situ Bioremediation Program
January through March 2015 Progress Update
Former 901/902 Thompson Place
Sunnyvale, California

Dear Ms. Morash:

On behalf of Advanced Micro Devices, Inc. (AMD), Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this In Situ Bioremediation (ISB) Program Progress Update for the January through March 2015 period (first quarter of 2015; 1Q15) for the former 901/902 Thompson Place site in Sunnyvale, California (the Site). This update summarizes the status of the ISB program and the results of the 1Q15 performance monitoring event.

Background

The Site history, hydrogeology, and current environmental conditions are described in detail in the Combined 2014 Annual Groundwater Monitoring Report and Annual In Situ Bioremediation Program Report[1], and are summarized below.

AMD designed and fabricated semiconductor devices at the Site between 1969 and 1992. The facility was vacated by AMD in 1992, and remained vacant until the property was sold and redeveloped for use as a self-storage facility in 2007.

The primary chemicals of concern (COCs) detected at the Site at concentrations above cleanup goals are trichloroethene (TCE) and cis-1,2-dichloroethene (cDCE). Vinyl chloride (VC) is also detected in groundwater samples collected from the ISB treatment area (VC is an interim breakdown product of TCE and cDCE as they degrade to ethene). The primary on-Site source of TCE impacts to groundwater

[1] Haley & Aldrich, Inc., 2015. Combined 2014 Annual Groundwater Monitoring Report and Annual In Situ Bioremediation Program Report, Former 901/902 Thompson Place, Sunnyvale, California, January.

beneath the Site appears to have been leaks of volatile organic compounds (VOCs) from the former acid neutralization system (ANS) tanks (the tanks were removed in 1983 and 1984)[2].

The Site was added to the National Priorities List (NPL) in June 1986, and the U.S. Environmental Protection Agency (EPA) issued a Record of Decision (ROD) on 11 September 1991. The Site was previously regulated under Site Cleanup Requirements Order Number 91-102 (the Order) issued on 19 June 1991 by the California Regional Water Quality Control Board, San Francisco Bay Region (Water Board). However, in a letter dated 7 August 2014, the lead agency role was transferred from the Water Board to the EPA.

The ROD specifies groundwater extraction and treatment as the remedial alternative to be used for the Site. The groundwater extraction and treatment system (GETS) began operating in 1983 and continued through 2002, when it was discontinued with Water Board approval to allow for the ISB pilot test. Based on the success of the pilot test, implementation of a Full Scale ISB program was initiated in 2005 with Water Board approval.

In 2011, AMD submitted a Focused Feasibility Study[3] (FFS) to the Water Board and EPA to evaluate the current potential revised cleanup plans. As described in the FFS, the proposed remedy for the Site is ISB with monitored natural attenuation (MNA) and institutional controls. The EPA reviewed the FFS and provided comments to AMD via the Water Board in June 2013. Haley & Aldrich incorporated the comments and submitted a Revised FFS[4] in September 2013. The Revised FFS is currently under review by the EPA.

OVERVIEW OF THE ISB SYSTEM

The ISB system is designed to treat COC-affected groundwater beneath the Site. The ISB system was started in December 2005 and operated until 2 May 2008, when it was determined that an excess of organic carbon was successfully delivered to the subsurface to sustain the passive bioremediation of COCs. Between 2009 and 2011, the ISB system was not operated, but performance monitoring continued to assess ongoing, passive destruction of COCs. In 2011, performance monitoring results indicated that while intrinsic bioremediation was still occurring, the organic carbon substrate was being depleted, causing rebounding concentrations of COCs in some wells. Since then, the organic carbon substrate has been amended and groundwater has been recirculated on a periodic basis, coupled with ongoing performance monitoring.

The ISB system was designed to increase the organic carbon content of the groundwater system, thereby enhancing the anaerobic microbiological activity and promoting the in situ biotransformation of COCs to environmentally benign end-products. The primary components of the ISB system include:

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[2] Arcadis, 2001. Five-Year Review Report, Advanced Micro Devices, Inc. 901/902 Thompson Place, Sunnyvale, California, December.
[3] AMEC, 2011. Focused Feasibility Study, Former 901/902 Thompson Place, Sunnyvale, California, May.
[4] Haley & Aldrich, Inc., 2013. Revised Focused Feasibility Study, Former 901/902 Thompson Place, Sunnyvale, California, October.

- **Ex situ COC Removal:** Groundwater pumped from the extraction well(s) in the former source area is treated with two granular activated carbon (GAC) vessels in series to remove COCs before the groundwater is reinjected into the subsurface.
- **Substrate Delivery System:** Substrate delivery is performed by adding the substrate (currently a 60 percent sodium lactate solution) directly to the well, then flushing with the reinjected groundwater.
- **In situ Destruction of COCs:** In situ treatment processes are promoted by adding substrate to the extracted groundwater using the delivery system described above. The addition of substrate to groundwater containing TCE and cDCE has proven to be an effective in situ remedial strategy at this Site, as demonstrated in the pilot test conducted from 2002 to 2004 and in the full-scale ISB system.

Figure 1 shows the layout of the ISB system. The construction details of the ISB program wells are summarized in Table 1.

1Q15 ISB Progress Update

The following sections describe the tasks completed in 1Q15 related to the ISB program.

ORGANIC CARBON AMENDMENT AND GROUNDWATER RECIRCULATION

No organic substrate amendment or groundwater recirculation occurred in the 1Q15 reporting period.

QUARTERLY PERFORMANCE MONITORING

A quarterly performance monitoring event was conducted at the Site on 5 February 2015 by Field Solutions Inc. (FSI) on behalf of AMD. The event consisted of measuring water levels in 17 ISB monitoring wells, and collecting groundwater samples from 13 ISB monitoring wells.

Groundwater samples were collected using low-flow sampling methods. Each well was purged at a rate of 500 milliliters per minute (mL/min) or less using new, disposable, or dedicated tubing and a peristaltic pump. The wells were purged until water quality parameters (including temperature, pH, electrical conductivity, and oxidation-reduction potential) had stabilized. Groundwater samples were then collected directly from the pump effluent into laboratory-provided sampling vials. Samples were labeled, sealed in plastic bags, and shipped to the analytical laboratory under strict chain-of-custody procedures.

Samples were analyzed by Curtis & Tompkins, Inc. for chlorinated VOCs using USEPA Method 8260B and total organic carbon using Standard Method (SM) 5310C. The samples were also analyzed by Microseeps, Inc. for dissolved hydrocarbon gases (ethene, ethane, and methane) using Method AM20GAX.

Field sampling data sheets are included as Attachment A of this Progress Update; laboratory analytical reports are included as Attachment B.

The results of the quarterly performance monitoring event on 5 February 2015 are discussed below.

Water Levels

Water levels were measured in 17 ISB monitoring wells on 5 February 2015. Groundwater elevations in A- and B-Zone monitoring wells ranged from 37.59 to 39.04 feet relative to the North American Vertical Datum of 1988 (NAVD88), corresponding to depths of 8.00 to 9.89 feet below top of casing. This is consistent with historical groundwater elevations. Groundwater elevation data are included in Table 2.

Analytical Results

Groundwater samples were collected from 13 ISB monitoring wells on 5 February 2015. Current and historical analytical results are included in Table 3.

The results of the 1Q15 performance monitoring event indicate the following:

- Cumulative TCE, cDCE, and VC concentrations continue to be much lower at most monitoring locations (and by more than 90 percent at some locations) compared to pre-ISB conditions. Complete transformation of TCE, cDCE, and VC to ethene is occurring throughout the A-Zone and in most B1-Zone wells.
- Nine of the 13 performance monitoring wells (16-S, 16-D, 28-MW, DW-1, DW-2, DW-7, X2A, X1B, and X2B1) were either non-detect for TCE, or reported concentrations below the cleanup goal of 5 micrograms per liter (µg/L). Seven of the 13 wells (16-S, 16-D, 23-D, 28-MW, DW-1, and DW-2) were either non-detect for cDCE, or reported concentrations below the cleanup goal of 6 µg/L.
- In general, concentration trends indicate that COCs continue to decrease, and many wells are at or near historical low concentrations. For example, total VOC concentrations in wells X1B (used as an extraction well) and X2B1 (used both as an extraction and injection well) have decreased by 70 percent and 99 percent, respectively, since the last round of substrate amendment in 1Q14.
- ISB processes continued under ambient conditions as indicated by higher concentrations of cDCE, vinyl chloride, ethene, and ethane relative to the target compound, TCE, at many wells. However, organic carbon (as measured by TOC concentrations) is depleted in many areas (less than 10 milligrams per liter [mg/L]), and rebound has been observed at several locations such as X1B.
- Monitoring wells 23-S and 23-D are near the western Site boundary, are likely impacted by an off-Site upgradient source, and are not expected to be influenced by the ISB system because of their location.

Summary

Since the start of full-scale ISB in 2005, cumulative TCE, cDCE, and VC concentrations have greatly decreased at most monitoring locations (and by more than 90 percent at some locations). Complete transformation of TCE, cDCE, and VC to ethene is occurring throughout the A-Zone and in most B1-Zone wells. TOC concentrations are relatively low (less than 10 mg/L), suggesting that additional substrate amendment may be required to further reduce cDCE and VC to ethene. The ISB system is expected to be optimized and restarted in 2015 to promote additional destruction of target COCs in situ. Performance monitoring will continue to be conducted in 2Q15 as shown in Table 4.

Please contact either of the undersigned if you have any questions or need further information.

Sincerely yours,
HALEY & ALDRICH, INC.

Michael Calhoun, PG, CHG
Senior Technical Specialist

Peter Bennett, PG, CHG
Vice President and Lead Hydrogeologist

Enclosures:

Table 1	ISB Well Construction Details
Table 2	Water Level Elevations
Table 3	Groundwater Analytical Results for Detected Compounds
Table 4	ISB Monitoring Program
Figure 1	Layout of the In Situ Bioremediation Program
Attachment A	Field Sampling Data Sheets
Attachment B	Analytical Laboratory Reports

c: Advanced Micro Devices, Inc.; Attn: Ms. Heather O'Cleirigh

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TABLES

TABLE 1
ISB WELL CONSTRUCTION DETAILS [1]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Well ID	Well Type	Screen Interval (ft bgs)	Borehole Diameter (inches)	Well Diameter (inches)
A - Zone Wells				
I1A [2]	Injection	11.8 - 20.8	4.5	0.75
I2A [2]	Injection	11.6 - 19.6	4.5	0.75
16-S	Extraction/Monitoring	9 - 16	8	4
X2A	Extraction/Monitoring	10.0 - 19.9	8.25	2
23-S	Monitoring	9.0 - 16.0	8	4
P2A [3]	Monitoring	15.0 - 19.5	5.5	0.75
DW-2	Monitoring/Injection	10.0 - 14.0	NA	12
28-MW	Monitoring	10.0 - 16.3	8.25	2
ISB1AR	Injection	10.0 - 24.4	8.25	2
ISB2AR	Extraction/Injection	15.1 - 19.6	8.25	2
B1 - Zone Wells				
I1B [2]	Injection	25.5 - 34.9	4.5	0.75
I1B1 [2]	Injection	37.6 - 44.7	4.5	0.75
I2B1 [2]	Injection	26.0 - 33.5	4.5	0.75
I2B1/B2 [2]	Injection	35.5 - 39.5	4.5	0.75
16-D	Extraction/Monitoring	31 - 41	8	4
DW-7	Extraction/Monitoring	35 - 45	NA	NA
X1B	Extraction/Monitoring	25.4 - 30.2	8.25	2
X2B1	Monitoring/ Injection/Extraction	26.5 - 36.5	8.25	2
DW-1	Monitoring/ Injection/Extraction	32 - 40	NA	4
23-D	Monitoring	40 - 50	8	4
PMW-1-1	Monitoring	26.0 - 27.4	5.5	1.1
PMW-1-2	Monitoring	31.0 - 32.4	5.5	1.1
PMW-1-3	Monitoring	35.9 - 38.5	5.5	1.1
PMW-2-1	Monitoring	26.7 - 28.1	5.5	1.1
PMW-2-2	Monitoring	36.7 - 38.1	5.5	1.1
ISB3BR	Injection/Extraction	25.7 - 43.3	8.25	2
ISB2BR [4]	Injection	31.4 - 39.6	8.25	2
B2 - Zone Wells				
I2B2 [2]	Injection	44.2 - 48.2	4.5	0.75
DW-8	Extraction	45 - 65	NA	NA
PMW-2-3	Monitoring	45.5 - 48.2	5.5	1.1
ISB1BR	Injection	31.0 - 44.5	8.25	2

Notes:
1. Wells X1B, X2A, X2BA, I1A, I1B, 12A, 12B1/B2, P2A, multi-level wells PMW-1 and PMW-2, ISB1AR, ISB2AR, ISB2BR, and ISB3BR were installed for use in the ISB program. The remaining ISB program wells previously installed as part of the ongoing groundwater monitoring activities for the former groundwater system for the site.
2. Well destroyed on 2 May 2006 to accommodate site grading and construction activities.
3. Well destroyed on 27 August 2007 due to damage that occurred during property development.
4. Well ISB2BR is angled at approximately 30 degrees from vertical running beneath the building. The true depth of the screen interval is 31.4 to 39.6 ft bgs.

Abbreviations:
ft bgs = feet below ground surface
NA = not available

TABLE 2
WATER LEVEL ELEVATIONS
FIRST QUARTER 2015
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Well Name	Date	Location Coordinates [1]		Screen Interval (feet bgs) [2]	Measuring Point Elevation [3] (feet NAVD88) [4]	Water Level Depth (feet btc) [5]	Water Level Elevation (feetNAVD88) [4]
		Latitude	Longitude				
23-S	2/5/2015	37.38292321	122.0097060	9 - 16	47.03	8.66	38.37
16-S	2/5/2015	37.38302803	122.0094942	9 - 16	47.70	9.89	37.81
DW-2	2/5/2015	37.38290374	122.0095907	10 - 14	46.45	8.02	38.43
28-MW	2/5/2015	37.38294782	122.0095259	10.0 - 16.3	47.42	9.35	38.07
X2A	2/5/2015	37.38298213	122.0096288	10.0 - 19.9	47.08	9.49	37.59
X1B	2/5/2015	37.38297721	122.0095389	25.4 - 30.2	47.18	8.98	38.20
X2B1	2/5/2015	37.38298238	122.0096398	26.5 - 36.5	46.83	8.21	38.62
PMW-1-1	2/5/2015	37.38294193	122.0095380	26.0 - 27.4	47.45	9.28	38.17
PMW-1-2	2/5/2015	37.38294193	122.0095380	31.0 - 32.4	47.45	9.22	38.23
PMW-1-3	2/5/2015	37.38294193	122.0095380	35.9 - 38.5	47.45	9.37	38.08
PMW-2-1	2/5/2015	37.38295602	122.0096339	26.7 - 28.1	47.26	8.99	38.27
PMW-2-2	2/5/2015	37.38295602	122.0096339	36.7 - 38.1	47.26	8.74	38.52
PMW-2-3	2/5/2015	37.38295602	122.0096339	45.5 - 48.2	47.26	8.45	38.81
16-D	2/5/2015	37.38303803	122.0095055	31 - 41	47.49	9.53	37.96
DW-1	2/5/2015	37.38289028	122.0095901	32 - 40	46.91	8.68	38.23
DW-7	2/5/2015	37.38306080	122.0095395	35 - 45	46.11	8.10	38.01
23-D	2/5/2015	37.38293321	122.0097160	40 - 50	47.04	8.00	39.04

Notes:
1. Well locations were surveyed by Silicon Valley Land Surveying, Inc. (SVLS) on 16 November 2006. Wells were resurveyed by SVLS on 10 to 11 September 2007 after site redevelopment. Horizontal coordinates are referenced to the North American Datum of 1983 (NAD83).
2. feet bgs = feet below ground surface.
3. Top of casing elevations for a subset of wells was altered during repairs made on 7 to 8 August 2007 in response to site redevelopment.
4. feet NAVD8 = feet relative to the North American Vertical Datum of 1988.
5. feet btc = feet below top of well casing.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
23-S [3]	12/6/2005	<0.5	37	84	14	1.9	31	0.5	<0.5	11	<0.5	1.0	<0.5	<0.5	<1	--	--	--	--
	2/14/2006	<1.0	38	140	15	2.2	11	<1.0	<1.0	6.4	<1.0	<1.0	<1.0	<1.0	<2.0	--	--	--	--
	5/2/2006	<1.0	18	210	15	1.9	15	<1.0	<1.0	11	<1.0	<1.0	<1.0	<1	<2	--	--	--	--
	8/2/2006	<0.5	14	49	18	0.7	10	<0.5	12	6.9	<0.5	0.7	<0.5	<0.5	<1	--	--	--	--
	11/7/2006 [4]	<0.5	29 J [5]	67	25	1.7	14	0.5	16	12	<0.5	0.8	<0.5 UJ [6]	<0.5	3	--	--	--	--
	5/31/2007	<0.5	41	71	8.7	2.2	15	<0.5	1.7	5.6	<0.5	<0.5	<0.5	<0.5	<1	1.500	<0.025	58.000	2.6
	8/21/2007	<0.5	50	88	16	2.2	40	0.6	3.9	11	<0.5	0.5	<0.5	<0.5	<1.0	4.000	0.52	59.000	2.8
	10/22/2007	<0.5	52	60	6.0	1.8	25	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	<0.5	<1.0	3.2	<0.025	980	4.4
	2/5/2008	0.7	34	43	5.0	1.1	14	<0.5	0.6	4.4	<0.5	<0.5	<0.5	<0.5	1.6	1.90	0.028	1700	5.1
	5/2/2008	<0.5	22	180	37	3.0	100	0.6	4.0	8.8	<0.5	0.5	<0.5	<0.5	2.8	42.000	0.120	2300.000	20
	7/18/2008	<0.5	38	71	15	2.0	22	<0.5	0.7	5.9	<0.5	<0.5	<0.5	<0.5	2.4	1.800	<0.025	500.000	4.9
	10/7/2008	<0.5	29	130	17	1.5	23	<0.5	2.1	20	<0.5	0.9	<2.0	<0.5	3.2	0.990	0.070	1900.000	4.3
	2/10/2009	<0.5	18	89	6.1	1.3	6.9	<0.5	1.0	12	<0.5	0.5	<2.0	<0.5	<1.0	0.250	<0.025	190.000	3.5
	5/27/2009	<1.0	9.3	130	8.3	1.5	7.9	<1.0	<1.0	14	<1.0	<1.0	<4.0	<1.0	<2.0	0.260	0.036	270.000	2.4
	7/13/2009	<1.0	7.9	150	9.4	1.6	13	<1.0	<1.0	22	<1.0	<1.0	<4.0	<1.0	<2.0	0.300	0.029	420.000	2.6
	10/16/2009	<1.0	17	200	12.0	2.0	11	<1.0	1.1	23	<1.0	1.0	<4.0	<1.0	<2.0	0.590	0.052	410.000	3
	2/19/2010	<0.5	14	77	4.6	0.8	2.8	<0.5	<0.5	8	<0.5	<0.5	<2.0	<0.5	<1.0	0.038	<0.025	70.000	6.3
	4/23/2010	<0.5	16	76	4.4	0.8	1.8	<0.5	<0.5	6.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.051	<0.025	36.000	7.4
	7/7/2010	<1.3	32	130	7.3	<1.3	9.5	<1.3	<1.3	14	<1.3	<1.3	<5.0	<1.3	<2.5	0.180	<0.025	93.000	2.3
	10/21/2010	<1.3	9.5	350	19	<1.3	160	<1.3	1.6	18	<1.3	<1.3	<5.0	<1.3	<2.5	5.400	0.036	370.000	2.7
	2/1/2011	0.7	18	77	5.1	0.6	3.7	<0.5	<0.5	7.0	<0.5	<0.5	<2.0	<0.5	<1.0	0.070	<0.025	6.300	7.1
	4/14/2011	0.9	20	63	4.8	0.7	1.2	<0.5	<0.5	5.6	<0.5	<0.5	<2.0	<0.5	<1.0	<0.025	<0.025	3.400	6.2
	7/22/2011	<0.7	26	110	7.8	0.8	3.4	<0.7	<0.7	16	<0.7	<0.7	<2.9	<0.7	<1.4	0.120	<0.025	29	2.7
	10/26/2011	<1.0	19	270	20.0	1.0	100	<1.0	1.0	18	<1.0	<1.0	<4.0	<1.0	<2.0	1.4	0.11	130	2.5
	2/8/2012	0.7	40	86	5.1	0.9	<0.50	<0.50	<0.50	9.4	<0.50	0.50	<2.0	<0.50	<1.0	0.031	0.0065 J	4.1	2.5
	4/19/2012	1.1	17	51	5.6	0.8	6.2	<0.50	<0.50	7.5	<0.50	<0.50	<2.0	<0.50	<1.0	0.10	0.0059 J	4.4	5.5
	7/23/2012	0.7	24	80	7.0	0.6	6.8	<0.50	<0.50	9.7	<0.50	0.60	<2.0	<0.50	<1.0	0.11	0.0074 J	5.9	2.1
	10/10/2012	0.9 J	30 J	120 J	7.6 J	<1.0	15 J	<0.50	0.5 J	20 J	<0.50	0.80 J	<2.0	<0.50	<1.0	0.17	0.15	25	1.9
	3/12/2013	1.0	31	46	4.5	0.5	5.7	<0.5	<0.5	9.1	<0.5	<0.5	<1.0	<0.5	<1.0	0.052	0.20	410	4.1
	6/4/2013	0.8	34	64	3.2	0.6	0.9	<0.5	<0.5	11	<0.5	0.5	<2.0	<0.5	<1.0	0.011 J	0.11	63	2.5
	8/29/2013	1.1	38	120	12	1.3	6.1	<0.5	<0.5	17	<0.5	0.7	<2.0	<0.5	<1.0	0.12	0.68	310	2.5
	10/17/2013	1.0	37	130	13	1.5	12	<0.5	<0.5	20	<0.5	0.8	<2.0	<0.5	<1.0	0.14	0.62	270	2.4
	3/4/2014	1.1	36	97	8.7	1.3	3.0	<1.0	<1.0	14	<1.0	<1.0	<4.0	<1.0	<2.0	0.024 J	0.13	30	2.6
	5/27/2014	0.9	29	93	6.5	0.8	0.7	<0.5	<0.5	9.8	<0.5	0.6	<2.0	<0.5	<1.0	0.0083 J	0.072	36	2.2
	8/18/2014	1.4	48	120	12	1.6	7.6	<0.5	<0.5	17	<0.5	0.8	<2.0	<0.5	<1.0	0.10	0.21	130	2.4

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
23-S (cont'd)	10/14/2014	1.0	36	130	10	1.1	9.2	<1.0	<1.0	17	<1.0	<1.0	<4.0	<1.0	<2.0	0.087	0.14	82	2.2
	2/5/2015	0.8	27	90	7.6	0.6	1.5	<0.6	<0.6	7.0	<0.6	<0.6	<2.5	<0.6	<1.3	0.0086 J	0.0085 J	2.3	2.4
23-D [3]	12/6/2005	<0.7	230	390	15	1.8	56	0.7	<0.7	11	<0.7	1.0	3.0	<0.7	<1.4	0.670	0.026	11.000	1.1
	2/14/2006	<1.0	140	160	11	1.4	20	<1.0	<1.0	6.5	<1.0	<1.0	3.6	<1.0	<2.0	0.280	0.067	41.000	1.6
	5/2/2006	<1.0	140	370	16	2.1	40	<1.0	<1.0	9.5	<1.0	<1.0	3.4	<1	<2	0.620	0.080	130.000	33
	8/2/2006	<0.5	56	54	13	<0.5	82	0.6	4.2	5.2	<0.5	<0.5	2.2	<0.5	<1	60.000 J	0.110 J	2700.000 J	22
	11/7/2006 [4]	<0.5	3.1 J	47	6.6	<0.5	21	0.7	3.0	3.0	<0.5	<0.5	4.1 J	<0.5	<1	--	--	--	--
	2/15/2007	<0.5	6.6	69	4.6	<0.5	41	0.7	2.8	1.6	<0.5	<0.5	2.6	<0.5	<1	14.000	0.043	130.000	3.5
	5/31/2007	<0.5	9.3	83	2.7	0.7	15	0.7	1.6	1.1	<0.5	<0.5	3.4	0.7	<1	6.300	0.041	130.000	1.6
	8/21/2007	<1.0	28	140	2.5	<1.0	34	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<1.0	<2.0	9.000	0.110	36.000	1.3
	10/22/2007	<1.3	210	28	<1.3	<1.3	2.4	<1.3	<1.3	<1.3	<1.3	<1.3	7.0	<1.3	<2.5	0.52	<0.025	1.4	0.79
	2/5/2008	<1.0 / <0.7	110 / 120	9.8 / 9.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<1.0 / <0.7	<2.0 / <1.4	<0.025	<0.025	0.20	5.6 / 5.5
	5/2/2008	<1.0 / <1.7	280 / 270	9.8 / 9.6	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	<1.0 / <1.7	4.5 / 3.9	<1.0 / <0.7	<2.0 / <1.4	0.060	<0.025	1.600	0.71 / 0.67
	7/18/2008	<1.3 / <1.7	270 / 280	10 / 10	<1.3 / <1.7	<1.3 / <1.7	1.3 / <1.7	<1.3 / <1.7	<1.3 / <1.7	<1.3 / <1.7	<1.3 / <1.7	<1.3 / <1.7	5.1 / 5.4	<1.3 / <1.7	<2.5 / <3.3	0.180	<0.025	0.500	0.50 / 0.59
	10/7/2008	<2.5 / <0.7	300 / 290	8.0 / 8.7	<2.5 / <0.7	<2.5 / 0.8	<2.5 / <2.5	<2.5 / <0.7	<2.5 / <0.7	<2.5 / <0.7	<2.5 / <0.7	<2.5 / <0.7	<10 / 4.9	<2.5 / <0.7	<5.0 / <1.4	0.300	<0.025	2.900	0.78 / 0.78
	2/10/2009	<2.5 / <0.5	200 / 180	260/ 230	11 / 11	<2.5 / 1.6	<2.5 / 1.3	<2.5 / 0.7	<2.5 / <0.7	<2.5 / 0.8	<2.5 / <0.5	<2.5 / <0.5	<10 / 3.7	<2.5 / <0.5	<5.0 / <1.0	0.055	<0.025	0.690	0.67 / 0.60
	6/1/2009	<1.7 / <2.0	270 / 210	150/ 100	7.9 / 5.3	<1.7 / <2.0	2.3 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<6.7 / <8.0	<1.7 / <2.0	<3.3 / <4.0	0.160	<0.025	0.860	0.56 / 0.67
	7/13/2009	<1.7 / <0.5	220 / 190	240 / 190	11 / 12	<1.7 / 1.6	4.5 / 4.8	<1.7 / 0.5	<1.7 / 0.6	<1.7 / <0.5	<1.7 / <0.5	<1.7 / <0.5	<6.7 / 3.2	<1.7 / <0.5	<3.3 / <1.0	0.097	<0.025	1.100	1.5 / 1.2
	10/16/2009	<1.7 / <2.0	180 / 180	350 / 330	19 / 18	2.6 / <2.0	41 / 40	<1.7 / <2.0	<1.7 / <2.0	4.1 / 4.0	<1.7 / <2.0	<1.7 / <2.0	<6.7 / <8.0	<1.7 / <2.0	<3.3 / <4.0	2.600	0.031	130.000	1.2 / 1.2
	2/19/2010	<1.3 / <1.3	140 / 140	150 / 150	7.9 / 7.8	<1.3 / <1.3	2.3 / 2.3	<1.3 / <1.3	<1.3 / <1.3	<1.3 / <1.3	<1.3 / <1.3	<1.3 / <1.3	<5.0 / <5.0	<1.3 / <1.3	<2.5 / <2.5	0.075	<0.025	2.800	2.3 / 2.3
	4/23/2010	<1.7 / <1.7	230 / 230	150 / 150	8.2 / 8.5	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.045	<0.025	5.200	1.2 / 1.1
	7/7/2010	<2.5 / <2.0	190 / 190	340 / 300	18 / 17	<2.5 / <2.0	21 / 20	<2.5 / <2.0	<2.5 / <2.0	<2.5 / 2.6	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	0.420	<0.025	14.000	0.93 / 0.99
	10/21/2010	<2.5 / <2.0	160 / 150	360 / 350	20 / 19	3.5 / 2.8	52 / 54	<2.5 / <2.0	3.0 / 2.7	7.5 / 7.6	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	1.600	<0.025	110.000	1.2 / 1.3
	2/1/2011	<2.5 / <2.0	250 / 220	27 / 20	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	0.054	<0.025	0.320	0.70 / 0.73
	4/14/2011	<2.5 / <2.0	270 / 280	14 / 14	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	0.039	<0.025	0.15	0.68 / 0.59
	7/22/2011	<2.5 / <2.0	250 / 280	6.4 / 7.6	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	0.050	<0.025	0.21	0.70 / 0.73
	10/26/2011	<1.7 / <2.0	240 / 260	6.9 / 7.4	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<6.7 / <8.0	<1.7 / <2.0	<3.3 / <4.0	0.30	0.027	1.7	0.57 / 0.56
	2/8/2012	<1.7 / <1.7	250 / 290	6.1 / 6.3	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.062	0.0087 J	1.6	<0.50 / <0.50
	4/19/2012	<1.7 / <2.5	270 / 300	5.7 / 7.6	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<1.7 / <2.5	<6.7 / <10	<1.7 / <2.5	<3.3 / <5.0	0.066	0.049	3.2	<0.50 / <0.50
	7/23/2012	<2.0 / <2.5	260 / 310	5.0 / 6.6	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<2.0 / <2.5	<8.0 / <10	<2.0 / <2.5	<4.0 / <5.0	0.052	0.010 J	0.24	<0.50 / <0.50
	10/10/2012	<2.5 / <2.0	280 / 240	4.6 / 4.3	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<2.5 / <2.0	<10 / <8.0	<2.5 / <2.0	<5.0 / <4.0	0.18	<0.025	0.44	<0.50 / <5.0
	3/12/2013	<2.5 / <0.5	280 / 260	6.5 / 7.2	<2.5 / 0.8	<2.5 / 0.9	<2.5 / <0.5	<2.5 / 0.6	<2.5 / <0.5	<2.5 / <0.5	<2.5 / <0.5	<2.5 / <0.5	<5.0 / 4.7	<2.5 / <0.5	<5.0 / <1.0	0.042	0.0092 J	0.20	0.85 / 0.70
	6/4/2013	<1.7 / <1.7	260 / 270	4.6 / 4.6	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 /<1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.056	0.0088 J	0.68	0.61 / 0.73
	8/29/2013	<1.7 / <1.7	280 / 270	5.4 / 5.5	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 /<1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.090	0.0078 J	0.25	0.70 / 0.66
	10/17/2013	<1.7 / <1.7	280 / 280	6.6 / 6.3	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.22	0.017 J	0.58	0.64 / 0.72

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
23-D [3] (cont'd)	3/4/2014	<1.7 / <1.7	250 / 250	4.9 / 5.5	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7/ <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.077	0.012 J	0.32	<0.50 / <0.50
	5/27/2014	<1.7 / <1.7	280 / 280	5.3 / 5.4	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.076	0.039	0.40	<0.50 / <0.50
	8/18/2014	<1.7 / <2.0	250 / 260	6.0 / 6.1	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<1.7 / <2.0	<6.7 / <8.0	<1.7 / <2.0	<3.3 / <4.0	0.14	0.011 J	0.26	0.70 / <0.50
	10/14/2014	<1.7 / <0.5	260 / 280	4.7 / 4.6	<1.7 / <0.5	<1.7 / 0.9	<1.7 / <0.5	<1.7 / 0.5	<1.7 / <0.5	<1.7 / <0.5	<1.7 / <0.5	<1.7 / <0.5	<6.7 / 6.3	<1.7 / <0.5	<3.3 / <1.0	0.11	0.0096 J	0.23	0.89 / 0.80
	2/5/2015	<1.7 / <1.7	280 / 270	5.5 / 5.8	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<1.7 / <1.7	<6.7 / <6.7	<1.7 / <1.7	<3.3 / <3.3	0.068	0.0054 J	0.12	<0.50 / 2.8
P2A [7]	12/6/2005	3.3	340	200	8.7	2.3	12	<2.0	<2.0	34	<2.0	<2.0	<2.0	<2	<4	0.320	0.37	12.000	1.5
	2/14/2006	<2.5	<2.5	250	3.7	<1.0	<2.5	<2.5	<2.5	41	<2.5	<2.5	<2.5	<2.5	<5.0	0.500	0.220	84.000	190
	5/2/2006	<0.5	2.5	12	2.5	<0.5	14	<0.5	59	14	<0.5	2.2	<0.5	<0.5	<1	6.300	<0.025	16000.000	1800
	8/2/2006	<0.5	1.4	10	2.4	<0.5	7.3	<0.5	72	14	0.6	3.9	<0.5	<0.5	<1	2.700 J	0.150 J	30000.000 J	2500
	11/13/2006	<0.5	0.5	6.7	3.8	<0.5	5.4	<0.5	59	3.4	<0.5	2.0	<0.5	<0.5	<1	11.000	0.330	17000.000	76
	2/12/2007	<0.5	<0.5	2.7	4.6	<0.5	1.8	<0.5	51	1.8	<0.5	1.4	<0.5	<0.5	<1	11.000	1.500	17000.000	78
	5/31/2007	<0.5 / <0.5	<0.5 / <0.5	0.9 / 0.9	4.1 / 4.0	<0.5 / <0.5	0.9 / 0.8	<0.5 / <0.5	53 / 52	1.2 / 1.5	<0.5 / <0.5	1.5 / 1.4	<0.5 / <0.5	<0.5 / <0.5	<1 / <1	4.100	1.700	16000.000	82
DW-1 [8]	12/6/2005	<17	440	3700	110	<17	32	<17	<17	<17	<17	<17	<17	<17	<33	--	--	--	--
	2/14/2006	<31	540	5900	39	<31	<31	<31	<31	<31	<31	<31	<31	<31	<63	0.180	0.850	7.70	1.8
	5/3/2006	<36	<36	28000	110	73	4100	<36	<36	<36	<36	<36	<36	<36	<71	14.000	2.100	3600.000	140
	2/12/2007	<0.5	1.2	6.1	<0.5	<0.5	8.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<1	82.000	0.740	22000.000	32
	4/11-13/2007	<5.0	310	3200	17	8.8	290	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<10	190.000	0.650	6700.000	14
	4/30/2007	<17	<17	2800	<17	<17	300	<17	<17	<17	<17	<17	<17	<17	<33	400.000	0.830	8900.000	35
	5/31/2007	<10 / <20	<10 / <20	2200 / 2500	12 / <20	<10 / <20	370 / 320	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<20 / <40	270 / 340	0.82 / 0.91	9100/10000	18/39
	6/27/2007	<20	<20	2400	21.0	<20	580	<20	<20	<20	<20	<20	<20	<20	<40	250.000	0.310	12000.000	750
	9/14/2007	<20	<20	2700	22	<20	930	<20	<20	<20	<20	<20	<20	<20	<40	310.000	2.400	15000.000	21.000
	10/15/2007	<13	<13	1200	<13	<13	820	<13	<13	<13	<13	<13	<13	<13	<25	260.000	1.500	13000.000	320
	11/1/2007	<6.3	<6.3	900	20	<6.3	760	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	320.000	2.700	12000.000	100
	11/20/2007	<3.1	<3.1	520	7.0	<3.1	340	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	340 B	5.4	14000	46
	12/18/2007	4.5	2.1	230	3.8	<2.0	160	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	270.000	3.700	13000.000	120
	1/23/2008	<0.5	3.3	290	5.7	0.8	180	1.2	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1.0	220.000	6.300	7700.000	14
	7/21/2008	<6.3	<6.3	<6.3	<6.3	<6.3	51	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	62.000	3.300	14000.000	33
	10/7/2008	<1.3	2.5	1.6	2.1	<1.3	40	<1.3	<1.3	2.7	<1.3	<1.3	<5.0	<1.3	<2.5	74.000	12.000	18000.000	36
	2/11/2009	<0.5	<0.5	1.1	0.9	<0.5	1.7	<0.5	2.3	1.5	<0.5	<0.5	<2.0	<0.5	<1.0	1.100	140.000	17000.000	35
	6/1/2009	<0.5	0.6	2.3	0.6	<0.5	3.6	<0.5	4.4	1.2	<0.5	<0.5	<2.0	<0.5	<1.0	11.000	280.000	20000.000	21
	7/13/2009	<0.5	<0.5	1.9	0.5	<0.5	2.8	<0.5	4	1.1	<0.5	<0.5	<2.0	<0.5	<1.0	1.600	240.000	19000.000	24
	10/16/2009	<0.5	<0.5	0.8	0.8	<0.5	1.5	<0.5	4.2	1.4	<0.5	<0.5	<2.0	<0.5	<1.0	3.600	390.000	24000.000	28
	2/18/2010	<0.5	1.5	1.3	<0.5	<0.5	1.8	<0.5	3.3	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.690	81.000	14000.000	14
	4/23/2010	<0.5	2.4	2.0	0.8	<0.5	2.7	<0.5	2.6	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	1.300	82.000	12000.000	17
	7/72010	<0.5	1.7	1.8	3.6	<0.5	5.4	<0.5	1.6	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	1.300	81.000	11000.000	21

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
DW-1 [8] (cont'd)	10/21/2010	<0.5	0.6	1.2	10	<0.5	3.1	<0.5	2.6	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.520	170.000	19000.000	23
	2/2/2011	<0.5	<0.5	1.2	23	<0.5	2.7	<0.5	2.3	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.480	120.000	11000.000	16
	4/15/2011	<0.5	<0.5	1.3	38	<0.5	2.5	<0.5	2.3	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.30	310.000	13000.000	17
	7/22/2011	<0.5	0.7	98	41	<0.5	140	<0.5	3.1	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	58	570	17000	15
	10/26/2011	<1.3	18	7.4	<1.3	<1.3	4.0	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	1.7	9.0	7600	1,200
	2/9/2012	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	1.7	0.25	1300	5.1
	4/19/2012	<0.50	0.50	51	1.1	<0.50	33	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	17	24	12000	6.6
	7/24/2012	<0.50	<0.50	1.1	1.0	<0.50	20	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	8.6	130	18000	8.3
	10/11/2012	<0.50	0.90	1.8	<0.50	<0.50	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	1.4	29	3700	9.6
	3/12/2013	<50	64	<50	<50	<50	<50	<50	<50	<50	<50	<50	<200	<50	<100	1.6	2.2	11000	1100
	6/4/2013	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<100	<25	<50	4.2	6.3	13000	400
	8/29/2013	<0.5	<0.5	<0.5	0.7	<0.5	0.9	<0.5	0.6	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	2.4	33	16000	70
	10/17/2013	<0.5	0.7	0.6	0.9	<0.5	7.4	<0.5	0.8	1.3	<0.5	<0.5	<2.0	<0.5	<1.0	2.9	68	14000	39
	3/4/2014	<0.5	<0.5	0.6	0.7	<0.5	5.2	<0.5	1.4	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	12	130	17000	21
	5/28/2014	<0.5	1.7	6.0	1.1	<0.5	69	<0.5	2.8	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	57	56	20000	14
	8/18/2014	<0.5	<0.5	<0.5	1.0	<0.5	7.0	<0.5	1.4	0.9	<0.5	<0.5	<2.0	<0.5	<1.0	1.6	100	15000	18
	10/14/2014	<0.5	<0.5	<0.5	0.9	<0.5	2.1	<0.5	1.2	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.89	200	16000	18
	2/5/2015	<0.5	1.1	1.2	0.8	<0.5	2.9	<0.5	0.8	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	4.2	240	15000	9.4
28-MW	12/6/2005	<0.5	10	26	20	<0.5	28	1.5	7.2	13	<0.5	1.7	<0.5	<0.5	<1	33.000	0.063	1400.000	4.3
	2/14/2006	<0.5	<0.5	4.8	11	<0.5	4.3	<0.5	8.8	16	<0.5	1.0	<0.5	<0.5	<1.0	52.000	0.160	7700.000	74
	5/3/2006	<0.5	<0.5	0.8	5.0	<0.5	0.7	<0.5	28	3.2	<0.5	1.5	<0.5	<0.5	<1	2.000	0.300	15000.000	200
	8/2/2006	<0.5	1.3	1.7	5.3	<0.5	1.2	<0.5	41	5.8	<0.5	2.4	<0.5	<0.5	<1	1.500 J	0.048 J	26000.000 J	1000
	11/13/2006	<0.5	1.5	28	18	<0.5	38	0.5	34	7.0	<0.5	1.3	<0.5	<0.5	<1	31.000	0.330	14000.000	49
	2/12/2007	<0.5	<0.5	0.7	4	<0.5	1.2	<0.5	32	6.5	<0.5	1.4	<0.5	<0.5	<1	22.000	0.440	16000.000	45
	5/31/2007	<0.5	0.6	<0.5	1.7	<0.5	0.6	<0.5	29	5.3	<0.5	1.1	<0.5	<0.5	<1	16.000	0.520	15000.000	41
	8/21/2007	<0.5	<0.5	1.1	2.6	<0.5	2.7	<0.5	31	4.7	<0.5	1.2	<0.5	<0.5	1.2 J	29.000	0.890	14000.000	57
	11/1/2007	<0.5	<0.5	0.7	1.4	<0.5	1.0	<0.5	32	4.8	<0.5	1.3	<0.5	<0.5	<1.0	9.400	1.000	14000.000	88
	2/5/2008	<0.5	<0.5	16	5.2	<0.5	23	<0.5	25	5.3	<0.5	1.1	<0.5	<0.5	<1.0	19	1.4	8800	77
	5/2/2008	<0.5	<0.5	59	6.7	0.6	47	<0.5	24	4.5	<0.5	1.1	<0.5	<0.5	<1.0	38.000	7.100	15000.000	50
	7/18/2008	<0.5	<0.5	0.6	2.3	<0.5	1.2	<0.5	17	4.2	<0.5	1	<0.5	<0.5	2.1	25.000	9.700	18000.000	32
	10/7/2008	<0.5	0.7	1.9	2.7	<0.5	4.3	<0.5	17	5.4	<0.5	0.9	<2.0	<0.5	2.7	16.000	13.000	14000.000	21
	2/10/2009	<0.5	1.1	28	5.9	<0.5	44	<0.5	16	7.1	<0.5	0.9	<2.0	<0.5	3.3	11.000	12.000	7900.000	11
	5/27/2009	<0.5	0.8	45	9.1	<0.5	110	<0.5	15	6.6	<0.5	0.9	<2.0	<0.5	4.9	21.000	11.000	5900.000	10
	7/13/2009	<0.5	0.6	30	8.4	<0.5	95	<0.5	14	8.0	<0.5	1.0	<2.0	<0.5	4.4	12.000	7.800	5100.000	12
	10/16/2009	<0.5	0.6	12	4.7	<0.5	43	<0.5	16	8.1	<0.5	1.0	<2.0	<0.5	8.8	11.000	13.000	11000.000	12

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
28-MW (cont'd)	2/18/2010	<0.5	0.6	22	6.7	<0.5	48	<0.5	12	7.3	<0.5	1.0	<2.0	<0.5	4.5	7.000	4.200	4700.000	9.8
	4/22/2010	<0.5	0.6	22	5.1	<0.5	50	<0.5	11	7.0	<0.5	0.7	<2.0	<0.5	4.4	6.900	3.100	3200.000	7.8
	7/6/2010	<0.5	<0.5	18	2.4	<0.5	92	<0.5	10	7.0	<0.5	0.8	<2.0	<0.5	3.9	8.400	1.800	2000.000	5.8
	10/21/2010	<0.5	<0.5	10	1.0	<0.5	73	<0.5	8.1	6.2	<0.5	0.6	<2.0	<0.5	2.2	7.700	1.000	1300.000	5.1
	2/1/2011	<0.5	<0.5	6.0	1.2	<0.5	47	<0.5	7.2	7.1	<0.5	0.8	<2.0	<0.5	2.4	3.900	1.200	1100.000	5.5
	4/14/2011	<0.5	<0.5	5.2	0.7	<0.5	39	<0.5	6.1	5.7	<0.5	0.6	<2.0	<0.5	2.2	2.200	1.100	900.000	6.2
	7/22/2011	<0.5	<0.5	3.3	<0.5	<0.5	40	<0.5	5.8	6.1	<0.5	0.6	<2.0	<0.5	<1.0	3.2	0.55	470	3.9
	10/26/2011	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	6.8	6.1	<0.5	0.6	<2.0	<0.5	1.9	0.61	4.0	12000	55
	2/8/2012	<0.50	<0.50	0.7	<0.50	<0.50	4.8	<0.50	9.4	8.3	<0.50	0.70	<2.0	<0.50	<1.0	0.69	11	13000	12
	4/20/2012	<0.50	<0.50	1.0	0.70	<0.50	6.6	<0.50	7.8	7.5	<0.50	0.70	<2.0	<0.50	<1.0	0.42	3.5	7200	7.0
	7/24/2012	<0.50	<0.50	0.9	<0.50	<0.50	8.2	<0.50	8.1	7.0	<0.50	0.70	<2.0	<0.50	<1.0	0.64	3.1	7200	6.7
	10/10/2012	<0.50	<0.50	<0.50	<0.50	<0.50	2.8 J	<0.50	8.5 J	7.5 J	<0.50	0.70 J	<2.0	<0.50	1.2 J	0.16	2.3	4600	6.0
	3/12/2013	<0.5	<0.5	0.5	<0.5	<0.5	0.7	<0.5	9.8	7.5	<0.5	0.7	<1.0	<0.5	<1.0	0.30	9.2	14000	18
	6/5/2013	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	9.8	7.0	<0.5	0.8	<2.0	<0.5	<1.0	0.049	2.4	9800	9.0
	8/30/2013	<0.5	<0.5	1.2	<0.5	<0.5	4.5	<0.5	6.8	4.8	<0.5	0.6	<2.0	<0.5	<1.0	0.57	2.0	4500	7.4
	10/17/2013	<0.5	<0.5	1.7	<0.5	<0.5	8.6	<0.5	7.2	5.2	<0.5	0.6	<2.0	<0.5	<1.0	0.66	1.4	2300	5.8
	3/4/2014	<0.5	<0.5	0.7	<0.5	<0.5	3.7	<0.5	6.6	5.2	<0.5	0.5	<2.0	<0.5	<1.0	0.46	4.7	12000	7.9
	5/28/2014	<0.5	<0.5	0.6	<0.5	<0.5	1.5	<0.5	6.3	4.9	<0.5	0.5	<2.0	<0.5	<1.0	0.070	3.3	11000	8.3
	8/18/2014	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	<0.5	5.9	4.3	<0.5	0.5	<2.0	<0.5	<1.0	0.065	4.0	9100	8.0
	10/14/2014	<0.5	<0.5	1.0	<0.5	<0.5	4.4	<0.5	7.3	5.9	<0.5	0.6	<2.0	<0.5	<1.0	0.45	5.8	8500	6.5
	2/5/2015	<0.5	<0.5	2.7	<0.5	<0.5	3.7	<0.5	6.5	5.0	<0.5	<0.5	<2.0	<0.5	<1.0	0.28	3.5	7600	7.0
PMW-1-1 [9]	12/7/2005	<50	3500	8400	61	<50	410	<50	<50	<50	<50	<50	<50	<50	<100	5.400	3.900	11.0	0.89
	2/14/2006	<50	3200	11000	64	<50	410	<50	<50	<50	<50	<50	<50	<50	<100	4.100	2.800	29.0	1.9
	5/3/2006	<50	140	8700	56	<50	330	<50	<50	<50	<50	<50	<50	<50	<100	4.300	2.600	680.000	13
	11/14/2006	<2.0	3.6	540	74	2.2	580	2.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<4	69.000	1.100	3100.000	7.2
	2/16/2007	<2.5	<2.5	560	88	<2.5	850	5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	29.000	0.400	580.000	5.3
PMW-1-2 [10]	12/7/2005	<2.5	2.8	930	53	<2.5	730	4.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	--	--	--	--
	11/14/2006	<1.7	7.7	330	27	<1.7	280	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<3.3	580.000	1.400	13000.000	120
	2/16/2007	<1.7	1.9	240	34	<1.7	360	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<3.3	410.000	1.800	13000.000	38
PMW-1-3[10]	12/7/2005	<8.3	<8.3	1200	9.9	<8.3	90	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<17	--	--	--	--
	11/13/2006	<13	16	2000	20	<13	560	<13	<13	<13	<13	<13	<13	<13	<25	270.000	0.650	14000.000	52
	2/15/2007	<20	61	7800	33	20	900	<20	<20	<20	<20	<20	<20	<20	<40	290.000	1.400	12000.000	12
PMW-2-1	12/7/2005	<31	82	6700	72	<31	2300	<31	<31	<31	<31	<31	<31	<31	<63	0.810	0.240	2.400	2.0
	2/14/2006	<71	140	7500	<71	<71	1600	<71	<71	<71	<71	<71	<71	<71	<140	16.000	0.490	3.800	2.4
	5/2/2006	<63	140	6400	<63	<63	1500	<63	<63	<63	<63	<63	<63	<63	<130	29.000	1.900	11.000	3.3

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
PMW-2-1 (cont'd)	8/2/2006	<25	130	6700	42	<25	2200	<25	<25	<25	<25	<25	<25	<25	<50	48.000 J	2.100 J	1400.000 J	1.9
	11/13/2006	<63	<63	5700	<63	<63	2800	<63	<63	<63	<63	<63	<63	<63	<130	130.000	2.100	6800.000	3.2
	2/12/2007	<50	<50	6300	74	<50	2600	<50	<50	<50	<50	<50	<50	<50	<100	160.000	1.700	8900.000	2.6
	5/31/2007	<42	48	5100	46	<42	2400	<42	<42	<42	<42	<42	<42	<42	<83	170.000	1.800	11000.000	2.3
	8/21/2007	<42	64	6500	54	<42	2600	<42	<42	<42	<42	<42	<42	<42	<83	140.000	1.600	9400.000	2.1
	11/1/2007	<31	57	5700	62	<31	2500	<31	<31	<31	<31	<31	<31	<31	<63	110.000	1.500	8000.000	1.6
	2/5/2008	<42	<42	4600	55	<42	1200	<42	<42	<42	<42	<42	<42	<42	<83	71.000	0.850	4500.000	1.4
	5/2/2008	<42	66	5500	51	<42	2400	<42	<42	<42	<42	<42	<42	<42	<83	320.000	1.800	8200.000	2.5
	7/18/2008	<42	72	6300	55	<42	2300	<42	<42	<42	<42	<42	<42	<42	<83	360.000	2.500	12000.000	2
	10/7/2008	<42	58	4900	<42	<42	1700	<42	<42	<42	<42	<42	<170	<42	<83	340.000	2.7	14000	2.3
	2/10/2009	<42	68	4800	46	<42	1500	<42	<42	<42	<42	<42	<170	<42	<83	280.000	2.700	13000.000	1.3
	6/1/2009	<42	58	4500	<42	<42	1500	<42	<42	<42	<42	<42	<170	<42	<83	260.000	2.600	12000.000	1.8
	7/13/2009	<42	71	5500	74	<42	1700	<42	<42	<42	<42	<42	<170	<42	<83	190.000	1.600	11000.000	1.8
	10/16/2009	<42	75	5600	49	<42	1500	<42	<42	<42	<42	<42	<170	<42	<83	270.000	2.700	14000.000	1.9
	2/18/2010	<42	61	5600	76	<42	1800	<42	<42	<42	<42	<42	<170	<42	<83	270.000	2.900	16000.000	2
	4/23/2010	<42	75	6500	47	<42	1600	<42	<42	<42	<42	<42	<170	<42	<83	260.000	2.500	14000.000	1.6
	7/6/2010	<42	69	6100	54	<42	2000	<42	<42	<42	<42	<42	<170	<42	<83	260.000	2.700	14000.000	1.4
	10/21/2010	<42	79	6800	54	<42	1800	<42	<42	<42	<42	<42	<170	<42	<83	240.000	2.500	14000.000	1.6
	2/1/2011	<42	70	6800	47	<42	1700	<42	<42	<42	<42	<42	<170	<42	<83	220.000	2.200	12000.000	1.9
	4/14/2011	<42	83	7300	62	<42	1800	<42	<42	<42	<42	<42	<170	<42	<83	200.000	1.900	11000.000	1.6
	7/22/2011	<42	66	5600	43	<42	1500	<42	<42	<42	<42	<42	<170	<42	<83	230	2.1	11000	1.7
	10/26/2011	<36	67	5600	85	<36	1500	<36	<36	<36	<36	<36	<140	<36	<71	220	2.4	11000	1.6
	2/9/2012	<36	61	6500	<36	<36	1400	<36	<36	<36	<36	<36	<140	<36	<71	320	24	12000	1.5
	4/19/2012	<36	51	5700	63	<36	1600	<36	<36	<36	<36	<36	<140	<36	<71	360	17	12000	2.2
	7/23/2012	<36	60	5500	140	<36	1600	<36	<36	<36	<36	<36	<140	<36	<71	360	21	10000	1.5
	10/11/2012	<50	72	7100	55	<50	1900	<50	<50	<50	<50	<50	<200	<50	<100	310	16	9400	1.6
	3/12/2013	<42	51	4400	<42	<42	1600	<42	<42	<42	<42	<42	<83	<42	<83	380	21	12000	2.4
	6/4/2013	<36	57	5600	46	<36	1600	<36	<36	<36	<36	<36	<140	<36	<71	380	23	14000	2.3
	8/29/2013	<36	60	5000	<36	<36	1400	<36	<36	<36	<36	<36	<140	<36	<71	360	24	13000	2.1
	10/17/2013	<36	57	6500	51	<36	2100	<36	<36	<36	<36	<36	<140	<36	<71	370	24	13000	2.3
	3/5/2014	<36	60	5000	37	<36	1500	<36	<36	<36	<36	<36	<140	<36	<71	320	24	14000	1.4
	5/27/2014	<36	50	4200	55	<36	1000	<36	<36	<36	<36	<36	<140	<36	<71	150	19	12000	1.4
	8/18/2014	<36	48	4800	36	<36	790	<36	<36	<36	<36	<36	<140	<36	<71	86	15	10000	2.0
	10/14/2014	<42	48	5100	<42	<42	760	<42	<42	<42	<42	<42	<170	<42	<83	100	18	11000	2.1
	2/5/2015	<42	52	5400	<42	<42	640	<42	<42	<42	<42	<42	<170	<42	<83	75	16	11000	0.73

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
PMW-2-2 [10]	12/7/2005	<20	<20	2100	<20	<20	310	<20	<20	<20	<20	<20	<20	<20	<40	--	--	--	39
	11/14/2006	<2.0	<2.0	160	<2.0	<2.0	730	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<4	100.000	0.410	95.000	29
	2/16/2007	<5.0	<5.0	830	8.3	<5.0	2300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<10	180.000	0.850	530.000	29
PMW-2-3	12/7/2005	<3.1	290	440	7.4	<3.1	24	<3.1	<3.1	<3.1	<3.1	<3.1	4.8	<3.1	<6.3	22.000	1.300	6.000	0.66
	2/14/2006	<3.1	320	480	3.5	<3.1	16	<3.1	<3.1	<3.1	<3.1	<3.1	11	<3.1	<6.3	0.065	0.190	3.000	0.78
	5/3/2006	<2.5	300	420	8.4	<2.5	16	<2.5	<2.5	<2.5	<2.5	<2.5	5.3	<2.5	<5	0.300	0.086	16.000	0.57
	8/2/2006	<1.3	260	330	1.4	<1.3	15	<1.3	<1.3	<1.3	<1.3	<1.3	5.0	<1.3	<2.5	0.520 J	0.096 J	46.000 J	<0.50
	11/13/2006	<2.5	280	360	3.6	<2.5	32	<2.5	<2.5	<2.5	<2.5	<2.5	6.0	<2.5	<5	1.500	0.091	44.000	0.60
	2/12/2007	<2.5	270	400	5.8	<2.5	32	<2.5	<2.5	<2.5	<2.5	<2.5	4.7	<2.5	<5	1.900	0.120	49.000	0.66
	5/31/2007	<2.5 / <2.5	270 / 270	380 / 370	3.9 / 3.6	<2.5 / <2.5	40 / 30	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	5.6 / 6.4	<2.5 / <2.5	<5 / <5	3.100	0.066	63.000	0.53
	8/21/2007	<2.5 / <2.5	270 / 270	360 / 340	6.4 / 3.9	<2.5 / <2.5	20 / 22	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	<2.5 / <2.5	5.2 / 4.8	<2.5 / <2.5	<5.0 / <5.0	1.600	0.110	52.000	0.67
	11/1/2007	<2.0	230	280	11	<2.0	16	<2.0	<2.0	<2.0	<2.0	<2.0	8.3	<2.0	<4.0	1.500	0.048	31.000	<0.50
	2/5/2008	<2.0	240	230	7.0	<2.0	11	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0	<4.0	0.850	0.033	14.000	<0.50
	5/2/2008	<2.0	250	230	2.1	<2.0	21	<2.0	<2.0	<2.0	<2.0	<2.0	3.9	<2.0	<4.0	2.300	0.041	19.000	0.67
	7/18/2008	<1.3	250	230	1.8	<1.3	17	<1.3	<1.3	<1.3	<1.3	<1.3	4.9	<1.3	<2.5	3.100	0.034	22.000	<0.50
	10/7/2008	<2.5	250	220	3.0	<2.5	20	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	3.300	0.049	26.000	0.64
	2/12/2009	<1.7	220	160	<1.7	<1.7	13	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.100	0.042	20.000	<0.50
	6/1/2009	<1.7	240	170	3.8	<1.7	22	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.600	0.048	22.000	0.59
	7/13/2009	<1.7	240	170	3.1	<1.7	17	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.100	0.034	19.000	0.69
	10/16/2009	<1.7	260	160	4.8	<1.7	13	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.500	0.052	28.000	0.70
	2/18/2010	<1.7	250	170	3.4	<1.7	14	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	1.800	0.030	15.000	0.74
	4/23/2010	<1.7	290	210	3.5	<1.7	12	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	6.700	0.044	25.000	0.68
	7/6/2010	<1.7	270	200	2.0	<1.7	22	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	3.200	0.036	24.000	0.85
	10/21/2010	<1.7	260	220	5.8	<1.7	21	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	3.100	0.031	17.000	0.51
	2/2/2011	<1.7	250	180	4.3	<1.7	14	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.100	<0.025	13.000	0.58
	4/14/2011	<1.7	250	240	6.6	<1.7	33	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	5.500	<0.025	28.000	0.65
	7/22/2011	<1.7	210	170	4.5	<1.7	19	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	3.7	0.044	19	0.77
	10/26/2011	<1.7	200	180	2.8	<1.7	40	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.5	0.070	22	0.53
	2/9/2012	<1.7	260	180	3.7	<1.7	15	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	2.7	0.033	15	<0.50
	4/19/2012	<1.7	210	170	6.4	1.7	38	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	7.0	0.055	44	<0.50
	7/23/2012	<1.3	220	160	3.9	<1.3	43	<1.3	<1.3	<1.3	<1.3	<1.3	7.3	<1.3	<2.5	9.3	0.083	81	0.52
	10/11/2012	<1.7	220	150	4.3	<1.7	28	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	6.0	0.082	56	0.59
	3/12/2013	<0.7	240	110	2.7	1.5	17	<0.7	<0.7	<0.7	<0.7	<0.7	4.3	<0.7	<1.4	2	0.044	16	0.84
	6/4/2013	<1.3	240	120	1.8	<1.3	14	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	6.4	0.060	29	0.62
	8/29/2013	<1.3	210	110	2.0	<1.3	9.6	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	1.8	0.042	13	0.69

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
PMW-2-3 (cont'd)	10/17/2013	1.3	230	120	2.4	<1.3	18	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	2.5	0.059	21	0.78
	3/5/2014	<1.3	250	120	3.0	<1.3	34	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	7.1	0.079	51	<0.50
	5/27/2014	<1.3	230	97	2.2	<1.3	15	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	1.4	0.037	11	<0.50
	8/18/2014	<1.3	210	130	3.0	<1.3	21	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	3.0	0.054	18	0.67
	10/14/2014	<1.7	210	92	<1.7	<1.7	9.7	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	1.2	0.047	12	0.73
	2/5/2015	<1.7	240	96	1.8	<1.7	12	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<1.7	<3.3	0.93	0.030	7.7	<0.50
DW-2 [11]	2/14/2006	<0.7	3.0	110	0.8	<0.7	<0.7	<0.7	<0.7	2.5	<0.7	<0.7	<0.7	<0.7	<1.4	0.560	0.260	1300.000	160
	5/3/2006	<0.7	5.9	2.8	<0.7	<0.7	<0.7	<0.7	<0.7	1.0	<0.7	<0.7	<0.7	<0.7	<1.4	0.460	0.130	1200.000	1700
	2/21/2007	<0.5	1.4	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	0.510	0.066	20000.000	72
	5/31/2007	<0.5	2.3	5.5	<0.5	<0.5	0.7	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<1	0.210	0.450	19000.000	350
	7/21/2008	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	2.000	0.028	6300.000	35
	10/7/2008	<0.5	0.6	<0.5	<0.5	<0.5	1	<0.5	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.240	<0.025	5800.000	48
	2/11/2009	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.200	0.120	5900.000	30
	5/27/2009	<0.5	0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.240	0.810	13000.000	27
	7/13/2009	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.052	0.560	11000.000	22
	10/16/2009	<0.5	<0.5	1.1	<0.5	<0.5	1.1	<0.5	<0.5	1.0	<0.5	<0.5	<2.0	<0.5	<1.0	0.220	2.300	14000.000	24
	2/19/2010	<0.5	<0.5	0.6	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.054	1.500	7400.000	17
	4/23/2010 [12]	<0.5	0.6	0.8	<0.5	<0.5	0.9	<0.5	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.120	1.900	7100.000	21
	7/7/2010	<0.5	0.6	0.9	0.7	<0.5	0.5	<0.5	<0.5	1.0	<0.5	<0.5	<2.0	<0.5	<1.0	0.065	4.700	8700.000	25
	10/21/2010	<0..5	0.5	1.1	0.9	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.098	0.490	860.000	23
	2/2/2011	<0..5	<0.5	0.6	0.9	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.042	0.620	1000.000	15
	4/15/2011	<0.5	<0.5	0.7	2.1	<0.5	<0.5	<0.5	0.7	1.1	<0.5	<0.5	<2.0	<0.5	<1.0	<0.025	0.860	610.000	11
	7/22/2011	<0.5	0.5	0.9	5.9	<0.5	0.9	<0.5	2.0	3.2	<0.5	<0.5	<2.0	<0.5	<1.0	0.13	8.4	2500	9.4
	10/26/2011	<0.5	1.3	0.7	1.9	<0.5	<0.5	<0.5	0.9	1.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.22	0.64	3500	630
	2/9/2012	<0.50	<0.50	0.90	<0.50	<0.50	<0.50	<0.50	0.5	1.4	<0.50	<0.50	<2.0	<0.50	<1.0	0.21	0.078	5300	540
	4/19/2012	<0.50	0.80	0.80	0.70	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<2.0	<0.50	<1.0	0.21	0.80	10000	32
	7/24/2012	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	0.097	0.58	2900	23
	10/10/2012	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	0.029	0.028	1.2	20
	3/12/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.14	3.7	8500	65
	6/4/2013	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<14	<3.6	<7.1	0.061	0.066	19000	59
	8/29/2013	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.16	0.35	11000	33
	10/17/2013	<0.5	<0.5	2.0	<0.5	<0.5	1.3	<0.5	<0.5	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.17	0.43	16000	32
	3/4/2014	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	1.1	0.9	<0.5	<0.5	<2.0	<0.5	<1.0	0.40	0.093	16000	64
	5/28/2014	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	0.8	<0.5	<0.5	<2.0	<0.5	<1.0	0.11	0.40	14000	15
	8/18/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.11	0.54	6800	8.2

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FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
DW-2 (cont'd)	10/14/2014	<0.5	<0.5	0.5	<0.5	<0.5	0.7	<0.5	0.9	0.7	<0.5	<0.5	<2.0	<0.5	<1.0	0.21	1.1	16000	14
	2/5/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.028	1.7	9400	8.6
X2B1 [13]	12/12/2005	<2.5	420	420	8.3	2.8	41	<2.5	<2.5	<2.5	<2.5	<2.5	15	<2.5	<5	--	--	--	0.78
	1/13/2006	<2.5	84	500	45	3.7	240	<2.5	<2.5	26	<2.5	<2.5	<2.5	<2.5	<5.0	--	--	--	2.7
	2/10/2006	<3.1	450	470	8.4	3.2	35	<3.1	<3.1	<3.1	<3.1	<3.1	15	<3.1	<6.3	--	--	--	1.2
	5/1/2006	<3.1	570	1000	29	4.7	130	<3.1	<3.1	<3.1	<3.1	<3.1	6.9	<3.1	<6.3	--	--	--	0.71
	7/6/2006	<8.3	460	920	19	<8.3	71	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<17	--	--	--	0.70
	8/2/2006	<6.3	350	980	11	<6.3	71	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	--	--	--	1.1
	9/18/2006	<6.3	540	1400	19	<6.3	130	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	3.700	0.310	340.000	0.75
	10/18/2006	<10	480	1600	21	<10	130	<10	<10	<10	<10	<10	<20	<10	<20	--	--	--	1.0
	11/14/2006	<6.3	510	1300	20	<6.3	140	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	6.400	0.200	490.000	0.89
	12/11/2006	<20	450	1900	21	<20	190	<20	<20	<20	<20	<20	<200	<20	<40	13.000	0.180	1200.000	3.2
	5/31/2007	<2.5	8.5	670	14	<2.5	560	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	230.000	0.410	1500.000	5.4
	8/21/2007	<3.1	3.9	190	5.8	<3.1	250	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	120.000	0.810	330.000	4.5
	11/1/2007	<0.8	8.2	120	5.2	<0.8	120	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<1.7	130.000	0.540	2400.000	600
	2/7/2008	<3.1	240	420	6.3	<3.1	63	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	8.8	0.12	310	1.2
	2/28/2008	<2.5	150	360	9.2	<2.5	73	<2.5	5.3	7.2	<2.5	<2.5	<2.5	<2.5	<5.0	36.000	1.400	6000.000	20
	3/27/2008	<2.5	330	980	22	4.4	160	<2.5	<2.5	<2.5	<2.5	<2.5	<7.1	<2.5	<5.0	25.000	0.310	730.000	1.1
	5/2/2008	<6.3	380	1100	18	<6.3	140	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	4.700	0.140	140.000	1.4
	7/18/2008	<1.3	3.8	300	4.7	<1.3	160	<1.3	<1.3	<1.3	<1.3	<1.3	2.4	<1.3	<2.5	51.000	0.870	210.000	0.82
	10/7/2008	<2.5	30	360	5.6	<2.5	200	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	44.000	0.420	68.000	1.5
	2/11/2009	<2.5	22	660	15	<2.5	580	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	140.000	0.400	310.000	1.4
	6/1/2009	<8.3	53	990	17	<8.3	570	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	110.000	0.320	260.000	1.1
	7/13/2009	<8.3	100	1200	23	<8.3	530	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	73.000	0.260	230.000	1.1
	10/16/2009	<8.3	71	1100	17	<8.3	510	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	73.000	0.410	280.000	1.2
	2/18/2010	<8.3	57	830	20	<8.3	330	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	26.000	0.200	150.000	2.2
	4/23/2010	7.7	80	640	9.3	<5.0	220	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	25.000	0.170	130.000	1.2
	7/6/2010	<5.0	110	920	14	<5.0	520	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	32.000	0.220	200.000	0.87
	10/21/2010	<7.1	59	470	13	<7.1	690	<7.1	<7.1	<7.1	<7.1	<7.1	<29	<7.1	<14	74.000	0.470	260.000	1.1
	2/1/2011	<3.6	50	370	6.7	<3.6	140	<3.6	<3.6	<3.6	<3.6	<3.6	<14	<3.6	<7.1	13.000	0.180	80.000	0.92
	4/14/2011	<1.3	23	180	5.2	<1.3	130	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	12.000	0.270	34.000	0.96
	7/22/2011	<5.0	150	950	14	<5.0	420	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	21	0.43	92	0.96
	10/27/2011	<2.5	140	420	6.1	<2.5	130	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	21	1.1	330	0.65
	11/21/2011	0.87	470	1100	10	4.2	150	0.91	<0.5	0.78	<0.5	<0.5	6.1	1.2	<1.0	13	1.8	540	0.57
	2/9/2012	<2.5	330	1200	16.0	3.8	160	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	23	3.2	1,000	0.55

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
X2B1 (cont'd)	4/19/2012	<5.0	100	670	13	<5.0	110	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	15	0.40	140	0.64
	7/23/2012	<5.0	68	860	13	<5.0	210	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	18	0.52	150	0.72
	10/11/2012	<1.3	23	360	8.1	<1.3	170	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	13	0.45	57	0.7
	12/12/2012	<6.3	360	890	8.0	<6.3	100	<6.3	<6.3	<6.3	<6.3	<6.3	12	<6.3	<13	19	1.8	600	0.70
	1/28/2013	<5.0	340	890	15	<5.0	95	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	15	1.5	1100	0.81
	2/20/2013	<6.3	320	860	11	<6.3	76	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	7.2	1.5	1100	0.80
	3/12/2013	<8.3	230	860	18	<8.3	100	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	6.9	4.6	2600	1.4
	6/4/2013	<8.3	110	1200	19	<8.3	82	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	1.6	1.1	450	1.0
	8/29/2013	<7.1	250	1100	15	<7.1	66	<7.1	<7.1	<7.1	<7.1	<7.1	<29	<7.1	<14	4.1	0.64	280	2.0
	10/17/2013	<7.1	100	1700	52	<7.1	200	<7.1	<7.1	<7.1	<7.1	<7.1	<29	<7.1	<14	7.4	0.87	440	1.5
	5/27/2014	<1.0	<1.0	34	3.3	<1.0	30	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.1	470	6.9	7000	270
	8/18/2014	<1.0	2.7	270	11	<1.0	120	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	150	9.6	9200	4200
	10/14/2014	<2.5	<2.5	130	5.3	<2.5	34	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	47	9.9	7200	3700
	2/5/2015	<2.5	<2.5	<2.5	<2.5	<2.5	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<5.0	4.1	5.6	18000	2300
X2A [14]	12/12/2005	1.6	200	230	13	2	62	1.1	<0.7	46.0	<0.7	2.9	<0.7	<0.7	<1.4	--	--	--	1.6
	1/13/2006	<3.1	150	610	45	<3.1	250	<3.1	<3.1	28	<3.1	<3.1	<3.1	<3.1	<6.3	--	--	--	2.6
	2/10/2006	<6.3	23	740	69	<6.3	340	<6.3	<6.3	32	<6.3	<6.3	<6.3	<6.3	<13	--	--	--	3.9
	4/19/2006	<5.0	110	840	57	<5.0	350	<5.0	<5.0	28	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	16
	5/1/2006	<5.0	190	790	44	<5.0	330	<5.0	<5.0	20	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	8.3
	7/6/2006	<1.7	2.2	320	52	<1.7	240	<1.7	19	26	<1.7	<1.7	<1.7	<1.7	<3.3	--	--	--	49
	8/2/2006	<0.5	1	320	58	1.1	200	1	22	35	<0.5	0.8	<0.5	<0.5	<1.0	150.000 J	0.470 J	3900 J	24
	11/14/2006	<0.5	1.9	6.7	9.1	<0.5	5.8	<0.5	80	17	<0.5	2.8	<0.5	<0.5	3.5	54.000	0.660	13000.000	40
	5/31/2007	<0.5	0.6	1.7	5.7	<0.5	1.7	<0.5	56	30	<0.5	3.3	<0.5	<0.5	4.8	24.000	3.600	15000.000	14
	8/21/2007	<0.5 / <0.5	10 / 10	18 / 18	7.5 / 7.7	<0.5 / <0.5	83 / 74	0.5 / 0.5	35 / 35	19 / 18	<0.5 / <0.5	2.0 / 2.1	<0.5 / <0.5	<0.5 / <0.5	7.0 J / 4.0 J	220.000	3.600	7100.000	8.9
	11/1/2007	<0.5 / <0.5	0.7 / 0.8	40 / 40	15 / 14	<0.5 / <0.5	210 / 170	0.9 / 0.9	35 / 34	18 / 20	<0.5 / <0.5	1.0 / 1.0	<0.5 / <0.5	<0.5 / <0.5	3.6 / 4.8	280 / 280	3.6 / 3.3	9200/8000	8.3/8.2
	2/7/2008	<0.5	2.9	36	17	<0.5	96	<0.5	24	21	<0.5	2.2	<0.5	<0.5	<1.0	51	3.3	9300	23
	2/28/2008	<0.5	1.6	60	14	<0.5	73	<0.5	20	26	<0.5	2.3	<0.5	<0.5	1.3	48.000	2.000	12000.000	110
	3/27/2008	<0.5	0.9	110	24	<0.5	140	<0.5	30	22	<0.5	1.5	<0.5	<0.5	2.0	54.000	1.600	10000.000	30
	5/2/2008	2.9	210	960	27	4.1	150	<2.5	<2.5	6.5	<2.5	<2.5	<2.5	<2.5	<5.0	13.000	0.380	1800.000	1.8
	7/18/2008	<1.7	<1.7	48	14	<1.7	420	<1.7	6.6	7.9	<1.7	<1.7	<1.7	<1.7	<3.3	340.000	1.100	5400.000	6.8
	10/7/2008	<0.5	<0.5	15	12	<0.5	880	1.7	14	10	<0.5	<0.5	<2.0	<0.5	1.1	380.000	3.700	12000.000	12
	2/11/2009	<1.7	<1.7	5.9	4.9	<1.7	190	<1.7	10	7.3	<1.7	<1.7	<6.7	<1.7	<3.3	190.000	5.200	7800.000	12
	5/27/2009	<1.7	<1.7	8.8	6.6	<1.7	250	<1.7	13	7.1	<1.7	<1.7	<6.7	<1.7	<3.3	93.000	9.000	9500.000	8.5
	7/13/2009	<1.7	<1.7	4.3	5.4	<1.7	320	<1.7	15	8.4	<1.7	<1.7	<6.7	<1.7	<3.3	79.000	8.500	10000.000	9.1
	10/16/2009	<0.5	<0.5	10	7.6	<0.5	360	1.0	20	13	<0.5	0.5	<2.0	<0.5	<1.0	83.000	11.000	12000.000	7.9

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
X2A (cont'd)	2/18/2010	<2.5	<2.5	4.0	3.4	<2.5	240	<2.5	17	10	<2.5	<2.5	<10	<2.5	<5.0	39.000	10.000	7500.000	6.9
	4/22/2010	<1.7	<1.7	4.7	2.6	<1.7	250	<1.7	18	12	<1.7	<1.7	<6.7	<1.7	<3.3	47.000	8.600	5700.000	5.2
	7/6/2010	<1.7	<1.7	6.6	2	<1.7	580	<1.7	20	13	<1.7	<1.7	<6.7	<1.7	<3.3	71.000	8.500	5400.000	4.4
	10/21/2010	<5.0	<5.0	13	<5.0	<5.0	850	<5.0	22	13	<5.0	<5.0	<20	<5.0	<10	78.000	6.300	4200.000	4.2
	2/1/2011	<5.0	<5.0	20	<5.0	<5.0	800	<5.0	23	12	<5.0	<5.0	<20	<5.0	<10	68.000	4.700	3200.000	3.7
	4/14/2011	<5.0	<5.0	43	<5.0	<5.0	830	<5.0	22	13	<5.0	<5.0	<20	<5.0	<10	59.000	4.000	2900.000	3.9
	7/22/2011	<5.0	<5.0	74	<5.0	<5.0	820	<5.0	27	16	<5.0	<5.0	<20	<5.0	<10	63	3.7	2900	3.9
	10/26/2011	<5.0	<5.0	88	<5.0	<5.0	830	<5.0	24	13	<5.0	<5.0	<20	<5.0	<10	52	3.4	2400	3.5
	12/20/2011	<0.5	<0.5	64	5.5	<0.5	96	<0.5	15	14	<0.5	1.2	<0.5	<0.5	<1.0	7.4	1.6	4700	7.0
	2/9/2012	<2.5	<2.5	43	3.9	<2.5	380	<2.5	17	16.0	<2.5	<2.5	<10	<2.5	<5.0	64	2.3	5400	9.4
	4/19/2012	<2.5	<2.5	32	4	<2.5	640	<2.5	15	17	<2.5	<2.5	<10	<2.5	<5.0	69	3.1	5900	11
	7/23/2012	<5.0	<5.0	27	<5.0	<5.0	670	<5.0	17	15	<5.0	<5.0	<20	<5.0	<10	73	4.1	5600	4.7
	10/11/2012	<5.0	<5.0	54	<5.0	<5.0	790	<5.0	21	23	<5.0	<5.0	<20	<5.0	<10	90	4.3	4800	4.1
	12/12/2012	<1.0	<1.0	120	6.2	<1.0	140	<1.0	14	20	<1.0	<1.0	<1.0	<1.0	<2.0	9.0	1.4	4500	6.8
	1/28/2013	<1.0	<1.0	91	5.8	<1.0	120	<1.0	13	18	<1.0	<1.0	<1.0	<1.0	<2.0	12	2.9	8100	8.9
	2/20/2013	<1.0	1.2	17	1.9	<1.0	150	<1.0	10	12	<1.0	<1.0	<1.0	<1.0	<2.0	24	4	7300	<0.5
	3/12/2013	<0.5	<0.5	2.9	0.9	<0.5	34	<0.5	16	5.7	<0.5	0.7	<2.0	<0.5	<1.0	31	4.2	9700	170
	6/4/2013	<0.5	<0.5	0.7	<0.5	<0.5	47	<0.5	19	6	<0.5	0.8	<2.0	<0.5	<1.0	33	2.6	10000	10
	8/29/2013	<0.5	<0.5	1.0	<0.5	<0.5	96	<0.5	18	9.7	<0.5	0.6	<2.0	<0.5	<1.0	46	2.8	9300	8.7
	10/17/2013	<0.7	<0.7	<0.7	<0.7	<0.7	140	<0.7	17	14	<0.7	<0.7	<2.9	<0.7	<1.4	38	3.6	8600	8.0
	2/5/2014	<1.0	<1.0	56	3.4	<1.0	130	<1.0	11	12	<1.0	<1.0	<10	<1.0	<2.0	6.5	1.1	1400	3.7
	3/4/2014	<1.0	<1.0	17	<1.0	<1.0	240	<1.0	12	12	<1.0	<1.0	<4.0	<1.0	<2.0	21	1.8	2000	3.9
	5/27/2014	<2.0	<2.0	6.1	<2.0	<2.0	300	<2.0	14	16	<2.0	<2.0	<8.0	<2.0	<4.0	28	1.6	2100	3.7
	8/18/2014	<2.5	<2.5	25	<2.5	<2.5	320	<2.5	14	13	<2.5	<2.5	<10	<2.5	<5.0	29	2.4	2000	4.0
	10/14/2014	<3.1	<3.1	10	<3.1	<3.1	530	<3.1	13	12	<3.1	<3.1	<13	<3.1	<6.3	50	3.3	2700	3.8
	2/5/2015	<3.1	<3.1	10	<3.1	<3.1	560	<3.1	14	15	<3.1	<3.1	<13	<3.1	<6.3	68	3.3	2900	2.7
X1B [13]	12/12/2005 [15]	<8.3	360	1600	29	10	120	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<17	--	--	--	0.72
	1/13/2006 [15]	5.8	350	1100	36	7.8	110	2.1	<2.0	9.7	<2.0	<2.0	2.3	<2.0	<4.0	--	--	--	0.72
	2/10/2006 [15]	<8.3	300	940	33	8.7	110	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<17	--	--	--	1.5
	4/19/2006 [15]	<7.1	340	880	61	<7.1	84	<7.1	<7.1	9.3	<7.1	<7.1	<7.1	<7.1	<14	--	--	--	2.1
	5/1/2006 [15]	7.4	310	970	37	<7.1	120	<7.1	<7.1	9.6	<7.1	<7.1	<7.1	<7.1	<14	--	--	--	0.73
	7/6/2006 [15]	6.4	290	860	22.0	5.8	75	<5.0	<5.0	7.7	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	0.71
	8/2/2006 [15]	<7.1	240	850	19.0	<7.1	81	<7.1	<7.1	7.6	<7.1	<7.1	<7.1	<7.1	<14	--	--	--	0.67
	9/18/2006	7.7	270	850	27	7.3	94	<5.0	<5.0	8.5	<5.0	<5.0	<5.0	<5.0	<10	3.500	0.220	310.000	0.77
	10/18/2006	6.2	240	840	30	5.3	110	1.8	<0.7	9.3	<0.7	<0.7	1.8	1.6	<1.4	--	--	--	0.94

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
X1B (cont'd)	11/14/2006 [15]	<5.0	250	840	28	5.5	140	<5.0	<5.0	6.7	<5.0	<5.0	<5.0	<5.0	<10	21.000	0.350	12000.000	0.93
	12/11/2006	<7.1	270	930	28	<7.1	120	<7.1	<7.1	9.4	<7.1	<7.1	<71	<7.1	<14	22.000	0.330	13000.000	1.0
	5/31/2007	<6.3	140	1700	47	<6.3	350	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	35.000	0.350	12000.000	1.3
	8/21/2007	<5.0	17	950	31	<5.0	200	<5.0	<5.0	6.5	<5.0	<5.0	<7.1	<5.0	<10	14.000	0.400	4000.000	1.7
	11/1/2007	<7.1	<7.1	740	36	<7.1	220	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<14	20.000	0.190	2400.000	4.0
	2/7/2008	<4.2	260	930	<4.2	6.3	110	<4.2	<4.2	8.0	<4.2	<4.2	<4.2	<4.2	<8.3	18	0.24	3800	0.77
	2/28/2008	<5.0	180	620	19	<5.0	58	<5.0	<5.0	6.1	<5.0	<5.0	<5.0	<5.0	<10	32.000	0.630	7900.000	2.5
	3/27/2008	6.6	240	860	24	<6.3	110	<6.3	<6.3	12	<6.3	<6.3	<6.3	<6.3	<13	20.000	0.550	3800.000	1.1
	5/2/2008	<7.1	250	890	40	<7.1	93	<7.1	<7.1	8.0	<7.1	<7.1	<7.1	<7.1	<14	7.900	0.380	2200.000	1.3
	7/18/2008	<2.0	74	450	14	<2.0	380	<2.0	<2.0	6.4	<2.0	<2.0	2.7	<2.0	<4.0	19.000	0.200	1300.000	1.6
	10/7/2008	1.8	100	680	15	2.2	240	1.8	<1.3	6.4	<1.3	<1.3	<5.0	<1.3	<2.5	21.000	0.280	1800.000	1.6
	2/10/2009	<7.1	140	1000	25	<7.1	160	<7.1	<7.1	7.6	<7.1	<7.1	<29	<7.1	<14	36.000	1.200	11000.000	1.1
	6/1/2009	<3.6	79	570	25	3.8	570	<3.6	<3.6	5.3	<3.6	<3.6	<14	<3.6	<7.1	28.000	0.870	7500.000	1.4
	7/13/2009	<5.0	37	660	20	<5.0	590	<5.0	<5.0	5.3	<5.0	<5.0	<20	<5.0	<10	20.000	0.510	6900.000	1.5
	10/16/2009	<5.0	140	1300	27	7.0	400	<5.0	<5.0	7.0	<5.0	<5.0	<20	<5.0	<10	11.000	1.200	9600.000	1.3
	2/18/2010	<5.0	12	510	21	<5.0	660	<5.0	<5.0	5.1	<5.0	<5.0	<20	<5.0	<10	9.900	0.990	5600.000	1.5
	4/22/2010	<5.0	62	1500	25	<5.0	340	<5.0	<5.0	5.3	<5.0	<5.0	<20	<5.0	<10	7.600	1.600	4300.000	1.5
	7/6/2010	<10	29	1100	21	<10	300	<10	<10	<10	<10	<10	<40	<10	<20	4.000	0.790	1700.000	1.1
	10/21/2010	<8.3	240	2400	32	12	49	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<8.3	<17	0.600	1.700	4300.000	1.3
	2/1/2011	<17	87	1900	24	<17	83	<17	<17	<17	<17	<17	<67	<17	<33	0.510	0.520	950.000	0.96
	4/15/2011	<10	110	1300	17	<10	28	<10	<10	<10	<10	<10	<40	<10	<20	0.170	0.180	320.000	0.91
	7/22/2011	<6.3	67	940	22	<6.3	44	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<6.3	<13	0.82	0.17	360	0.89
	10/27/2011	<6.3	200	1000	23	<6.3	110	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<6.3	<13	11	5.2	1400	0.79
	11/21/2011	7.4	360	1700	28	8.7	130	2.2	<0.5	11	<0.5	<0.5	1.7	1.1	<1.0	5.5	2.3	880	0.64
	2/9/2012	<6.3	180	780	31	<6.3	93	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<6.3	<13	7.1	1.8	1200	0.93
	4/20/2012	<6.3	150	620	35	<6.3	21	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<6.3	<13	0.20	0.56	670	0.72
	7/23/2012	<5.0	190	570	16	<5.0	21	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<10	0.15	0.47	240	0.62
	10/11/2012	<10	100	940	18	<10	64	<10	<10	<10	<10	<10	<40	<10	<20	0.25	0.5	210	0.61
	12/12/2012	<7.1	260	1100	16	<7.1	44	<7.1	<7.1	7.9	<7.1	<7.1	<7.1	<7.1	<14	5.3	2.9	1600	0.81
	1/28/2013	<10	210	950	24	<10	30	<10	<10	<10	<10	<10	<10	<10	<20	3.4	3.2	2600	0.98
	2/20/2013	<7.1	200	850	27	<7.1	29	<7.1	<7.1	9.2	<7.1	<7.1	<7.1	<7.1	<14	0.92	2.9	1900	0.92
	3/12/2013	<10	200	1200	25	<10	21	<10	<10	<10	<10	<10	<40	<10	<20	0.17	2.8	1200	1.2
	6/4/2013	<7.1	82	850	14	<7.1	80	<7.1	<7.1	<7.1	<7.1	<7.1	<29	<7.1	<14	0.24	3.0	1500	1.3
	8/29/2013	<5.0	77	520	12	<5.0	79	<5.0	<5.0	5.8	<5.0	<5.0	<20	<5.0	<10	0.86	1.0	370	3.3
	10/17/2013	<5.0	100	640	37	<5.0	79	<5.0	<5.0	6.2	<5.0	<5.0	<20	<5.0	<10	0.20	0.80	250	1.2

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
X1B (cont'd)	3/5/2014	<5.0	200	890	24	5.8	46	<5.0	<5.0	6.6	<5.0	<5.0	<20	<5.0	<10	5.0	3.0	1100	0.69
	5/28/2014	<0.5	<0.5	19	12	<0.5	26	1.3	<0.5	6.4	<0.5	<0.5	<2.0	<0.5	<1.0	820	1.5	1100	18
	8/18/2014	<0.5	<0.5	210	14	<0.5	240	1.3	<0.5	4.9	<0.5	<0.5	<2.0	<0.5	<1.0	220	0.87	570	1.7
	10/14/2014	<2.0	<2.0	230	10	<2.0	280	<2.0	<2.0	4.9	<2.0	<2.0	<8.0	<2.0	<4.0	260	0.81	1700	1.6
	2/5/2015	<2.0	<2.0	250	12	<2.0	390	<2.0	<2.0	3.7	<2.0	<2.0	<8.0	<2.0	<4.0	88	2.0	5200	<0.50
ISB2AR	9/14/2007	<1.3	3.1	190	42	<1.3	84	<1.3	13	21	<1.3	<1.3	<1.3	<1.3	2.7	120	2.9	9800	250
ISB3BR	3/19/2014	<0.5	1.8	14	2.6	<0.5	76	0.6	1.0	3.2	<0.5	<0.5	<5.0	<0.5	<1.0	68	60	22000	220
16-S [16]	12/12/2005	<0.5	6.1	29	20	<0.5	37	1.3	11	32	0.7	3.3	<0.5	<0.5	2.6	--	--	--	2.3
	1/13/2006	0.6	17	43	15	<0.5	44	0.9	6.7	22	<0.5	2.2	<0.5	<0.5	1.5	--	--	--	3.0
	2/10/2006	<0.5	9.7	33	21	<0.5	27	0.6	6.3	25	<0.5	2.6	<0.5	<0.5	1.7	--	--	--	6.2
	4/19/2006	4.3	260	840	29	4.8	120	1.7	2.8	17	<0.5	0.8	2	1.4	<1.0	--	--	--	5.4
	5/1/2006	<6.3	340	810	27	<6.3	130	<6.3	<6.3	6.5	<6.3	<6.3	<6.3	<6.3	<13	--	--	--	1.9
	7/6/2006	<0.5	5.5	37	27	<0.5	14	<0.5	21.0	24.0	0.6	3	<0.5	<0.5	2.1	--	--	--	16
	8/2/2006	<0.5	2.8	30	17	<0.5	15	<0.5	23.0	21.0	0.6	2.9	<0.5	<0.5	1.5	--	--	--	72
	11/14/2006	<0.5	1.5	32	19	<0.5	13	<0.5	26	13	0.5	2.6	<0.5	<0.5	3.1	18.000	0.130	11000.000	18
	5/31/2007	<0.5	0.7	11	28	<0.5	9.6	0.6	24	21	0.5	3.0	<0.5	<0.5	7.4	4.500	0.240	5800.000	4.930
	8/21/2007	<0.5	0.8	14	31	<0.5	19	0.6	21	22	0.6	3.0	<0.5	<0.5	9.3 J	9.900	2.100	6500.000	8.900
	10/22/2007	<0.5	0.9	19	27	<0.5	27	0.6	20	28	0.5	3.0	<0.5	<0.5	6.0	13.000	1.100	7300.000	18
	2/7/2008	<0.5	2.9	14	18	<0.5	8.8	<0.5	21	32	0.7	3.6	<0.5	<0.5	7.4	5.4	1.0	8800	35
	2/28/2008	<0.5	1.1	13	9.8	<0.5	7.3	<0.5	20	21	0.5	2.8	<0.5	<0.5	1.4	20.000	0.440	10000.000	280
	3/27/2008	<0.5	1.2	13	13	<0.5	11	<0.5	27	15	0.6	2.8	<0.5	<0.5	1.4	19.000	0.470	13000.000	71
	5/2/2008	<0.5	0.9	36	12	<0.5	31	<0.5	36	12	0.5	3.0	<0.5	<0.5	<1.0	19.000	0.660	13000.000	57
	7/21/2008	<0.5	<0.5	3.6	7	<0.5	3.6	<0.5	24	5.4	<0.5	1.9	<0.5	<0.5	<1.0	10.000	0.140	9900.000	38
	10/7/2008	<0.5	<0.5	4.2	6.3	<0.5	3.9	<0.5	34	4.8	0.5	2.3	<2.0	<0.5	1.1	13.000	0.320	12000.000	40
	2/11/2009	<0.5	0.8	5.8	5.9	<0.5	5.9	<0.5	22	6.2	<0.5	1.9	<2.0	<0.5	1.8	7.000	2.200	8800.000	17
	5/27/2009	<0.5	1.3	11	8.8	<0.5	14	<0.5	28	8.2	<0.5	2.3	<2.0	<0.5	3.9	4.400	4.500	6000.000	13
	7/13/2009	<0.5	1.0	14	9.3	<0.5	20	<0.5	31	11	0.6	2.8	<2.0	<0.5	3.2	3.900	3.600	4500.000	12
	10/16/2009	<0.5	1.0	18	10	<0.5	26	<0.5	24	16	0.6	2.9	<2.0	<0.5	4.1	4.400	4.600	3800.000	9.5
	2/19/2010	<0.5	0.6	7.7	8.8	<0.5	27	<0.5	16	13	<0.5	2.4	<2.0	<0.5	3.7	3.200	4.400	3300.000	9.2
	4/23/2010	<0.5	<0.5	7.3	7.2	<0.5	20	<0.5	15	12	<0.5	2.1	<2.0	<0.5	3.3	2.200	4.800	3000.000	7.5
	7/7/2010	<0.5	<0.5	7.2	4.6	<0.5	26	<0.5	31	13	0.6	2.9	<2.0	<0.5	4.9	1.800	4.000	2800.000	8.3
	10/21/2010	<0.5	<0.5	6.9	6.4	<0.5	21	<0.5	13	13	<0.5	2.1	<2.0	<0.5	2.9	2.000	2.700	1600.000	6.4
	2/2/2011	<0.5	<0.5	3.6	4.1	<0.5	18	<0.5	16	12	<0.5	2.2	<2.0	<0.5	1.8	1.500	2.900	1400.000	6.0
	4/15/2011	<0.5	<0.5	3.5	5.7	<0.5	22	<0.5	11	10	<0.5	1.7	<2.0	<0.5	1.6	1.200	2.800	1100.000	5.3
	7/22/2011	<0.5	<0.5	2.5	2.0	<0.5	11	<0.5	15	9.6	<0.5	2.1	<2.0	<0.5	1.5	0.58	3.0	1400	5.5

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
16-S (cont'd)	10/27/2011	<0.5	<0.5	2.0	1.5	<0.5	7.9	<0.5	11	11	<0.5	1.8	<2.0	<0.5	2.2	2.5	3.3	1300	5.0
	2/8/2012	<0.50	<0.50	2.1	1.4	<0.50	5.6	<0.50	12	10.0	<0.50	1.6	<2.0	<0.50	1.1	0.38	2.7	5700	7.1
	4/20/2012	<0.50	<0.50	3.8	1.9	<0.50	9.5	<0.50	11	11	<0.50	1.9	<2.0	<0.50	<1.0	0.66	2.5	6000	6.8
	7/24/2012	<0.50	<0.50	3.3	1.1	<0.50	17	<0.50	13	13	<0.50	2.3	<2.0	<0.50	<1.0	1.2	1.6	3800	5.5
	10/10/2012	<0.50	<0.50	3.2	0.9	<0.50	20	<0.50	10	16.0	<0.50	2.4	<2.0	<0.50	<1.0	1.2	1.3	1700	4.8
	12/12/2012	<0.5	<0.5	3.4	1.4	<0.5	10	<0.5	13	16.0	0.6	2.7	<0.5	<0.5	<1.0	2	2	6700	7.8
	1/28/2013	<0.5	<0.5	4.1	2.8	<0.5	9.9	<0.5	12	14.0	<1.0	2.4	<0.5	<0.5	<1.0	0.81	2.4	9600	11
	2/20/2013	<0.5	<0.5	5.4	2.6	<0.5	13	<0.5	14	13.0	0.5	2.3	<0.5	<0.5	<1.0	1.8	2.1	10000	35
	3/12/2013	<0.5	<0.5	2.9	1.3	<0.5	7.2	<0.5	16	6.1	<0.5	1.7	<2.0	<0.5	<1.0	2.2	1.3	10000	21
	6/4/2013	<0.5	<0.5	1.0	<0.5	<0.5	1.7	<0.5	26	2.9	<0.5	1.9	<2.0	<0.5	<1.0	0.65	0.59	12000	13
	8/30/2013	<0.5	<0.5	1.8	<0.5	<0.5	4.6	<0.5	21	5.6	<0.5	1.9	<2.0	<0.5	<1.0	0.61	1.4	6000	8.7
	10/17/2013	<0.5	<0.5	2.0	0.6	<0.5	7.0	<0.5	23	7.6	0.5	2.4	<2.0	<0.5	<1.0	0.70	1.4	2800	8.5
	2/5/2014	<0.5	<0.5	2.8	1.3	<0.5	12	<0.5	13	9.5	<0.5	2.0	<5.0	<0.5	<1.0	0.61	0.70	2600	4.2
	3/5/2014	<0.5	<0.5	1.3	<0.5	<0.5	5.6	<0.5	14	6.8	<0.5	1.8	<2.0	<0.5	<1.0	0.62	1.0	2700	6.3
	5/28/2014	<0.5	<0.5	2.3	<0.5	<0.5	17	<0.5	15	8.6	<0.5	2.0	<2.0	<0.5	<1.0	1.5	1.3	2000	5.3
	8/18/2014	<0.5	<0.5	2.0	<0.5	<0.5	11	<0.5	15	7.1	<0.5	1.6	<2.0	<0.5	<1.0	1.6	1.8	3100	16
	10/14/2014	<0.5	<0.5	1.6	<0.5	<0.5	15	<0.5	23	8.0	<0.5	2.4	<2.0	<0.5	<1.0	1.6	1.4	1300	5.9
	2/5/2015	<0.5	<0.5	2.7	0.5	<0.5	15	<0.5	16	9.1	<0.5	2.1	<2.0	<0.5	<1.0	0.93	1.6	2400	4.3
DW-7 [14]	12/12/2005	<1.3	300	100	1.6	1.7	4.6	<1.3	<1.3	1.3	<1.3	<1.3	10	<1.3	<2.5	--	--	--	<0.50
	1/13/2006	<2.5	350	210	<2.5	<2.5	5	<2.5	<2.5	<2.5	<2.5	<2.5	15	<2.5	<5.0	--	--	--	<0.50
	2/10/2006	<1.7	270	140	2.8	2	4.1	<1.7	<1.7	1.9	<1.7	<1.7	9.9	<1.7	<3.3	--	--	--	0.97
	4/19/2006	<2.0	180	290	3.8	2.3	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	4.6	<2.0	<4.0	--	--	--	1.7
	5/1/2006	<2.0	110	2000	17	6.4	42	<2.0	<2.0	4.8	<2.0	<2.0	3.8	<2.0	<4.0	--	--	--	5.4
	7/6/2006	<3.6	72	430	6.1	<3.6	230	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<7.1	--	--	--	69
	8/2/2006	<1.3	57	180	5.9	1.3	150	<1.3	<1.3	3.1	<1.3	<1.3	2.8	<1.3	<2.5	170.000 J	0.160 J	4700.000 J	200
	11/14/2006[17]	<1.7	140	200	<1.7	<1.7	6.4	<1.7	<1.7	<1.7	<1.7	<1.7	4.5	<1.7	<3.3	--	--	--	0.66
	5/31/2007	<1.0	68	210	1.5	1.1	14	<1.0	<1.0	<1.0	<1.0	<1.0	3.8	<1.0	<2.0	2.500	0.150	66.000	0.72
	8/21/2007	<1.3	85	210	1.9	<1.3	10	<1.3	<1.3	<1.3	<1.3	<1.3	3.5	<1.3	<2.5	2.000	0.270	160.000	0.63
	11/1/2007	<1.0	160	97	<1.0	<1.0	5.3	<1.0	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	<2.0	0.940	0.110	42.000	<0.50
	2/7/2008	<1.7	72	230	1.8	<1.7	22	<1.7	<1.7	<1.7	<1.7	<1.7	2.8	<1.7	<3.3	18	0.086	350	0.57
	2/28/2008	<1.3	130	160	4.2	<1.3	43	<1.3	<1.3	<1.3	<1.3	<1.3	2.8 U[19]	<1.3	<2.5	18.000	0.082	560.000	0.76
	3/27/2008	<1.0	140	130	1.8	<1.0	51	<1.0	<1.0	1.2	<1.0	<1.0	2.4	<1.0	<2.0	36.000	0.720	5500.000	3.6
	5/2/2008	<1.0	160	160	2.5	<1.0	59	<1.0	<1.0	1.4	<1.0	<1.0	3.3	<1.0	<2.0	6.500	0.075	570.000	2.3
	7/21/2008	<0.5	6.9	210	2.8	0.7	62	0.9	<0.5	0.6	<0.5	<0.5	1.5	<0.5	<1.0	4.500	0.490	220.000	1.1
	10/7/2008	<1.3	17	190	2.5	<1.3	70	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	2.900	0.450	150.000	1.1

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
DW-7 (cont'd)	2/11/2009	<1.3	14	160	1.7	<1.3	70	<1.3	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	<2.5	2.400	0.160	270.000	0.54
	6/1/2009	<0.5	5.1	100	1.7	<0.5	65	0.7	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.960	0.280	53.000	0.67
	7/13/2009	<0.5	6.1	95	1.8	<0.5	87	0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	1.400	0.340	58.000	0.8
	10/16/2009	<0.5	6.0	69	2.2	<0.5	110	0.7	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	2.700	0.610	64.000	0.79
	2/19/2010	<0.5	3.3	44	1.1	<0.5	26	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.450	0.230	6.100	0.89
	4/23/2010	<0.5	12.0	86	1.4	<0.5	28	0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.360	0.290	9.300	0.73
	7/7/2010	<1.0	4.2	57	1.5	<1.0	110	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	1.500	0.410	14.000	<0.50
	10/21/2010	<1.0	5.2	52	2.1	<1.0	140	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	2.500	0.530	12.000	0.80
	2/2/2011	<0.5	3.1	32	0.9	<0.5	19	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.230	0.140	3.400	0.71
	4/15/2011	<0.5	5.2	62	1.5	<0.5	41	0.7	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.370	0.200	3.800	0.77
	7/22/2011	<1.0	2.0	32	1.6	<1.0	110	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	2.0	0.38	9.2	0.82
	10/27/2011	<1.0	2.1	36	1.7	<1.0	140	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	2.5	0.59	11	0.54
	2/8/2012	<0.50	2.4	46	1.1	<0.50	23	0.6	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	0.28	0.14	1.8	<0.50
	4/20/2012	<0.50	6.5	51	1.3	<0.50	24	0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	0.61	0.42	4.5	<0.50
	7/24/2012	<0.50	1.7	30	1.8	<0.50	110	0.80	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	1.5	1.0	19	0.54
	10/10/2012	<0.50	1.6	26	1.5	<0.50	110	0.6	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	2.4	0.48	6.7	<0.50
	3/12/2013	<0.5	7.1	55	1.2	<0.5	21	0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.22	0.17	31	0.73
	6/5/2013	<0.5	1.1	18	1.0	<0.5	32	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.41	0.18	12	0.72
	8/30/2013	<0.5	15	22	1.3	<0.5	83	0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	1.6	0.68	42	1.0
	10/17/2013	<0.5	11	150	2.2	<0.5	97	0.9	<0.5	0.6	<0.5	<0.5	<2.0	<0.5	<1.0	0.73	0.33	14	0.76
	3/5/2014	<0.5	4.8	41	1.3	<0.5	20	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.23	0.14	2.6	<0.50
	5/28/2014	<2.0	<2.0	18	<2.0	<2.0	18	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<4.0	0.49	0.25	37	<0.50
	8/18/2014	<1.0	3.5	50	1.5	<1.0	89	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<2.0	1.0	0.42	230	0.70
	10/14/2014	<0.5	<0.5	9.3	1.9	<0.5	100	0.6	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	2.0	0.59	290	0.60
	2/5/2015	<0.5	<0.5	20	1.0	<0.5	29	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0	0.43	0.12	9.8	<0.50
DW-8 [16]	12/12/2005	<1.7	300	14	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	12	<1.7	<3.3	--	--	--	<0.50
	1/13/2006	<1.3	240	15	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	8	<1.3	<2.5	--	--	--	<0.50
	2/10/2006	<1.3	200	13	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	6.9	<1.3	<2.5	--	--	--	0.79
	4/19/2006	<1.7	220	12	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	3.8	<1.7	<3.3	--	--	--	1.2
	5/1/2006	<1.7	220	11	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	3.7	<1.7	<3.3	--	--	--	<0.50
	5/31/2007	<1.7	200	8.1	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	5.4	<1.7	<3.3	<0.025	0.034	19.000	0.53
16-D [16]	12/12/2005	<5.0	740	970	17	6.7	45	<5.0	<5.0	7.9	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	1.2
	1/13/2006	<17	3200	4000	<17	<17	100	<17	<17	<17	<17	<17	<17	<17	<33	--	--	--	0.93
	2/10/2006	<25	1800	3100	<25	<25	82	<25	<25	<25	<25	<25	<25	<25	<50	--	--	--	1.0
	4/19/2006	<6.3	340	970	41	<6.3	91	<6.3	<6.3	9.6	<6.3	<6.3	<6.3	<6.3	<13	--	--	--	1.8

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
16-D (cont'd)	5/1/2006	<2.5	220	390	6.8	3.1	6.9	<2.5	<2.5	<2.5	<2.5	<2.5	5.6	<2.5	<5.0	--	--	--	0.78
	7/6/2006	<3.6	110	460	4.7	<3.6	80	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<7.1	--	--	--	8.4
	9/18/2006	<0.5	0.6	12	10	<0.5	10	<0.5	2.7	4.4	1.9	0.5	<0.5	<0.5	<1.0	250.000	0.380	19000.000	91
	10/18/2006	<0.5	1.5	50	4.7	<0.5	59	<0.5	0.8	2.3	<0.5	0.6	0.5	<0.5	<1.0	--	--	--	2.7
	11/14/2006 [17]	<0.5	1.2	26	8.8	<0.5	30	0.7	1.5	4.8	<0.5	0.6	<0.5	<0.5	<1.0	--	--	--	9.7
	5/31/2007	<0.5	1.7	140	21	0.6	190	2.2	3.0	8.6	<0.5	<0.5	<0.5	<0.5	<1.0	76.000	0.140	6600.000	2.4
	8/21/2007	<0.5	1.0	3.4	5.9	<0.5	6.6	1.4	0.9	4.8	<0.5	<0.5	<2.5	<0.5	<5.0	54.000	0.360	5900.000	2.2
	10/22/2007	<0.5	1.7	20	7.2	<0.5	150	1.4	<0.5	3.4	<0.5	<0.5	<1.7	<0.5	<3.3	50.000	0.170	7700.000	1.8
	2/7/2007	<0.5	3.0	18	5.2	<0.5	29	0.9	<0.5	3.2	<0.5	<0.5	<0.5	<0.5	<1.0	95.000	0.300	12000.000	75
	2/28/2008	<0.5	1.9	34	4.3	0.6	26	1	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<1.0	17.000	0.320	8700.000	3.7
	3/27/2008	<0.5	2.4	48	6.3	<0.5	53	0.5	<0.5	3.0	<0.5	<0.5	<0.5	<0.5	<1.0	33.000	1.200	19000.000	10
	5/2/2008	<0.5	3.3	36	5.2	<0.5	52	0.7	<0.5	2.1	<0.5	<0.5	0.6	<0.5	<1.0	17.000	0.380	8400.000	9.6
	7/21/2008	<0.5	1.5	2.1	4.1	<0.5	1.5	1.1	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<1.0	0.120	0.220	3300.000	2.4
	10/7/2008	<0.5	1.7	2.5	4.3	<0.5	4.5	1.2	<0.5	2.2	<0.5	<0.5	<2.0	<0.5	<1.0	0.310	0.230	2400.000	1.8
	2/11/2009	<0.5	1.3	71	7.1	<0.5	50	0.8	<0.5	2.2	<0.5	<0.5	<2.0	<0.5	<1.0	0.140	3.400	1500.000	1.6
	6/1/2009	<1.0	1.0	160	12	<1.0	110	<1.0	4.5	7.5	<1.0	<1.0	<4.0	<1.0	<2.0	18.000	0.860	7200.000	3.5
	7/13/2009	<1.0	<1.7	190	15	<1.0	130	1.0	6.4	8.4	<1.0	<1.0	<4.0	<1.0	<2.0	13.000	0.800	6900.000	4.1
	10/16/2009	<1.7	7.0	240	16	<1.7	110	<1.7	9.7	9.9	<1.7	<1.7	<6.7	<1.7	<3.3	13.000	1.400	7100.000	4.2
	2/19/2010	<1.7	2.7	230	17	<1.7	130	<1.7	8.3	7.3	<1.7	<1.7	<6.7	<1.7	<3.3	9.600	1.300	5500.000	3.6
	4/23/2010	<1.7	2.1	240	15	<1.7	130	<1.7	6.8	8.3	<1.7	<1.7	<6.7	<1.7	<3.3	11.000	1.200	5700.000	2.9
	7/7/2010	<1.7	2.6	240	15	<1.7	210	<1.7	8.8	9.9	<1.7	<1.7	<6.7	<1.7	<3.3	9.500	1.300	5200.000	2.9
	10/21/2010	<1.7	<1.7	180	14	<1.7	180	<1.7	5.2	6.6	<1.7	<1.7	<6.7	<1.7	<3.3	10.000	0.780	3500.000	1.9
	2/2/2011	<1.3	<1.3	230	13	<1.3	240	1.5	2.0	5.8	<1.3	<1.3	<5.0	<1.3	<2.5	10.000	0.370	3800.000	1.1
	4/15/2011	<1.3	<1.3	32	7.2	<1.3	210	1.5	<1.3	3.8	<1.3	<1.3	<5.0	<1.3	<2.5	10.000	0.250	1500.000	0.88
	7/22/2011	<1.3	<1.3	40	8.3	<1.3	200	<1.3	<1.3	3.1	<1.3	<1.3	<5.0	<1.3	<2.5	13	0.39	2600	0.84
	10/27/2011	<1.3	<1.3	14	5.9	<1.3	130	<1.3	<1.3	2.5	<1.3	<1.3	<5.0	<1.3	<2.5	9.1	1.2	340	0.68
	12/20/2011	<0.5	2.0	94	8.1	<0.5	170	0.9	<0.5	1.7	<0.5	<0.5	1.1	<0.5	<1.0	46	14	2400	1.2
	2/8/2012	<0.50	<0.50	16	7.0	<0.50	80	1.1	<0.50	2.0	<0.50	<0.50	<2.0	<0.50	<1.0	31	6.6	8000	6.7
	4/20/2012	<0.50	<0.50	6.1 J	4.3 J	<0.50	70 J	0.6 J	<0.50	1.7 J	<0.50	<0.50	<2.0	<0.50	<1.0	5.5	2.8	1500	0.84
	7/24/2012	<0.50	<0.50	9.9	3.5	<0.50	130	0.80	<0.50	1.4	<0.50	<0.50	<2.0	<0.50	<1.0	9.0	2.0	1400	0.89
	10/10/2012	<1.3	<1.3	16	3.6	<1.3	180	<1.3	<1.3	1.8	<1.3	<1.3	<5.0	<1.3	<2.5	12	1.7	1800	0.93
	12/12/2012	<1.3	<1.3	29	6.3	<1.3	120	<1.3	<1.3	1.9	<1.3	<1.3	<1.3	<1.3	<2.5	140	12	6000	20
	1/28/2013	<0.5	0.5	53	6.4	<0.5	110	1.0	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<1.0	82	9.1	9100	3.5
	2/20/2013	1.5	150	730	10	3.3	68	<1.3	<1.3	3.4	<1.3	<1.3	1.4	<1.3	<2.5	8	5.6	4200	1.7
	3/12/2013	<0.7	3.0	100	3.6	<0.7	120	0.7	<0.7	<0.7	<0.7	<0.7	<2.9	<0.7	<2.0	23	9.1	6100	2.4

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
16-D (cont'd)	6/5/2013	<1.0	<1.0	73	6.3	<1.0	250	1.3	<1.0	2.1	<1.0	<1.0	<4.0	<1.0	<2.0	12	1.9	2500	1.5
	8/30/2013	<1.7	<1.7	26	4.9	<1.7	190	<1.7	<1.7	2.1	<1.7	<1.7	<6.7	<1.7	<3.3	12	1.2	1900	1.6
	10/17/2013	<1.7	<1.7	22	4.4	<1.7	160	<1.7	<1.7	1.7	<1.7	<1.7	<6.7	<1.7	<3.3	7.1	0.93	710	1.2
	3/5/2014	<0.5	<0.5	2.2	2.8	<0.5	15	0.7	<0.5	1.7	<0.5	<0.5	<2.0	<0.5	<1.0	82	6.6	10000	60
	3/19/2014	<0.5	<0.5	22	5.2	<0.5	75	0.7	<0.5	1.8	<0.5	<0.5	<5.0	<0.5	1.3	150	14	13000	240
	5/28/2014	<0.5	<0.5	2.2	1.9	<0.5	15	0.9	<0.5	2.3	<0.5	<0.5	<2.0	<0.5	<1.0	43	3.2	18000	14
	8/18/2014	<0.5	<0.5	3.5	1.0	<0.5	36	0.6	<0.5	1.5	<0.5	<0.5	<2.0	<0.5	<1.0	4.7	3.8	4700	<0.50
	10/14/2014	<0.5	<0.5	3.3	1.2	<0.5	84	0.8	<0.5	1.8	<0.5	<0.5	<2.0	<0.5	<1.0	20	3.4	5200	1.2
	2/5/2015	<0.5	<0.5	3.5	0.9	<0.5	68	0.7	<0.5	1.7	<0.5	<0.5	<2.0	<0.5	<1.0	6.5	1.6	1200	<0.50
Influent	1/13/2006	3.0	610	850	15	5.1	81	1.3	0.8	10.0	<0.5	<0.5	3.4	1.2	<1.0	--	--	--	0.96
	2/10/2006	<5.0	440	780	20	<5.0	63	<5.0	<5.0	7.1	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	1.5
	3/22/2006	<10	160	1600	21	<10	83	<10	<10	<10	<10	<10	<10	<10	<20	--	--	--	34
	4/19/2006	<3.6	260	550	20	<3.6	73	<3.6	<3.6	6.9	<3.6	<3.6	3.7	<3.6	<7.1	--	--	--	3.3
	5/1/2006	<4.2	270	1100	30	<4.2	88	<4.2	<4.2	5.2	<4.2	<4.2	5.7	<4.2	<8.3	--	--	--	2.5
	8/2/2006	<2.5	55	330	12	<2.5	120	<2.5	5.5	8.1	<2.5	<2.5	<2.5	<2.5	<5	--	--	--	150
	9/18/2006	<5.0	280	940	21	<5.0	18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	--	--	--	18
	10/18/2006	<4.2	240	790	21	4.8	89	<4.2	<4.2	4.2	<4.2	<4.2	<4.2	<4.2	<8.3	--	--	--	1.5
	11/14/2006	<4.2	390	1100	24	5.7	120	<4.2	<4.2	5.3	<4.2	<4.2	<4.2	<4.2	<8.3	--	--	--	0.9
	12/11/2006	<10	320	1100	25	<10	150	<10	<10	<10	<10	<10	<100	<10	<20	--	--	--	2.4
	4/11-13/2007 [19]	<5.0	310	3200	17	8.8	290	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<10	190.000	0.650	6700.000	14
	4/30/2007 [19]	<17	<17	2800	<17	<17	300	<17	<17	<17	<17	<17	<17	<17	<33	400.000	0.830	8900.000	35
	5/31/2007 [19]	<10 / <20	<10 / <20	2200 / 2500	12 / <20	<10 / <20	370 / 320	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<10 / <20	<20 / <40	270 / 340	0.82 / 0.91	9100/10000	18/39
	6/27/2007 [19]	<20	<20	2400	21	<20	580	<20	<20	<20	<20	<20	<20	<20	<40	--	--	--	750
	9/14/2007 [19]	<10	<10	1500	24	<10	560	<10	<10	10	<10	<10	<10	<10	<20	--	--	--	140
	10/15/2007 [19]	<13	<13	1200	<13	<13	820	<13	<13	<13	<13	<13	<13	<13	<25	260.000	1.500	13000.000	320
	11/1/2007 [19]	<6.3	<6.3	900	20	<6.3	760	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<13	320.000	2.700	12000.000	100
	11/20/2007 [19]	<3.1	<3.1	520	7	<3.1	340	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	340 B	5.4	14000	46
	12/18/2007 [19]	4.5	2.1	230	3.8	<2.0	160	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	270.000	3.700	13000.000	120
	1/23/2008 [19]	<0.5	3.3	290	5.7	0.8	180	1.2	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1.0	220.000	6.300	7700.000	14
	2/4/2008	<1.7	110	260	8.6	<1.7	55	<1.7	6.4	7.8	<1.7	<1.7	1.8	<1.7	<3.3	--	--	--	25
	2/21/2008	<1.3	90	210	7.6	<1.3	60	<1.3	7.5	11	<1.3	<1.3	<1.3	<1.3	<2.5	--	--	--	61
	2/28/2008	<2.0	81	200	8.5	<2.0	38	<2.0	7.1	11	<2.0	<2.0	<2.0	<2.0	<4.0	--	--	--	64
	3/17/2008	<2.5	110	410	15	3.0	85	<2.5	10	9.8	<2.5	<2.5	4.2	<2.5	<5.0	--	--	--	48
	3/27/2008	<2.5	120	390	14	<2.5	90	<2.5	11	11	<2.5	<2.5	<2.5	<2.5	<5.0	--	--	--	22
	4/18/2008	<2.5	160	390	9.2	<2.5	56	<2.5	4.4	5	<2.5	<2.5	<10	<2.5	<5.0	--	--	--	19

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
Influent (cont'd)	5/2/2008	<2.5	150	410	9.4	<2.5	71	<2.5	4.9	4.9	<2.5	<2.5	<2.5	<2.5	<5.0	--	--	--	7.6
	11/21/2011	4.8	410	1400	20	6.8	120	1.7	<0.5	7.0	<0.5	<0.5	3.2	1.1	<1.0	--	--	--	0.71
	12/20/2011	<0.5	1.1	87	6.7	<0.5	140	0.5	7.5	8.1	<0.5	0.7	<0.5	<0.5	<1.0	--	--	--	4.2
	1/19/2012	4.2	190	900	14	4.2	95	1.0	<1.0	5.6	<1.0	<1.0	1.7	<1.0	<2.0	--	--	--	1.4
	12/12/2012	<3.1	130	440	7.6	<3.1	8.1	<3.1	3.9	7.2	<3.1	<3.1	<3.1	<3.1	<6.3	--	--	--	8.1
	1/28/2013	<2.5	120	470	6.8	<2.5	57	<2.5	5.5	7.8	<2.5	<2.5	<2.5	<2.5	<5.0	--	--	--	5.5
	2/20/2013	<3.1	130	530	9.5	<3.1	76	<3.1	4.3	6.0	<3.1	<3.1	<3.1	<3.1	<6.3	--	--	--	11
	2/5/2014	<0.5	<0.5	37	3.1	<0.5	97	<0.5	13	12	<0.5	1.5	<5.0	<0.5	<1.0	--	--	--	3.9
	3/19/2014	<0.5	0.6	22	4.3	<0.5	97	0.6	<0.5	2.0	<0.5	<0.5	<5.0	<0.5	<1.0	--	--	--	230
Midpoint [20]	1/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	2/10/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	1.0
	4/19/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	1.9
	5/1/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	7/11/2006	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	90
	8/2/2006	<0.5	<0.5	3.8	<0.5	<0.5	7.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	99
	9/18/2006	<0.5	<0.5	4.0	<0.5	<0.5	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	5.9
	9/18/2006	<0.5	1.2	1.4	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	10/18/2006	<0.5	<0.5	0.8	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	0.71
	11/14/2006	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<1.0
	12/11/2006	<0.5	<0.5	0.8	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	4/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	5/31/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	6/27/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	9/14/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	86
	10/18/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	120
	11/20/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	76
	12/18/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	120
Effluent [20]	3/22/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	24
	7/11/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	--	--	--	69
	9/18/2006	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	15
	9/18/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	10/18/2006	<0.5	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	11/14/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<.050
	12/11/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	4/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Concentrations reported in micrograms per liter (µg/L), unless otherwise noted

Sample ID	Sample Date	PCE EPA 8260B	TCE EPA 8260B	cDCE EPA 8260B	tDCE EPA 8260B	1,1-DCE EPA 8260B	VC EPA 8260B	1,1-DCA EPA 8260B	CB EPA 8260B	1,2-DCB EPA 8260B	1,3-DCB EPA 8260B	1,4-DCB EPA 8260B	Freon 113 EPA 8260B	1,1,1-TCA EPA 8260B	CE EPA 8260B	Ethene AM20GAX	Ethane AM20GAX	Methane AM20GAX	TOC EPA 415.2 (mg/L)
Effluent (cont'd)	5/31/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	6/27/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	9/14/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	88
	10/18/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	91
	11/20/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	65
	12/18/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	100
	1/23/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	25
	2/4/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	39
	2/21/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	30
	2/28/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	62
	3/17/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	22
	3/27/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	9.8
	4/18/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	26
	5/2/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	9.0
	11/21/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	12/20/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	1/19/2012	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	12/12/2012	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	1/28/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	<0.50
	2/20/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.1	--	--	--	<0.50
	2/5/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<1.0	--	--	--	<0.50
	3/19/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<1.0	--	--	--	1.1

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR DETECTED COMPOUNDS [1,2]
FORMER 901 THOMPSON PLACE FACILITY
SUNNYVALE, CALIFORNIA

Notes:

1. Samples were collected by AMEC Geomatrix or Field Solutions, Inc., of San Jose, California, and submitted to Curtis and Tompkins, Ltd., of Berkeley, California, for VOC and TOC analyses. Ethene, ethane, and methane were analyzed by Microseeps, Inc., of Pittsburgh, Pennsylvania.
2. Baseline sampling was conducted on 6 and 7 December 2005.
3. 23-S was not accessible to sample during the February 2007 sampling event.
4. Well was sampled on 7 November 2006 as part of the annual groundwater monitoring event for the site. See the Annual Groundwater Monitoring Report (Geomatrix, 2007).
5. J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
6. UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of the quantitation necessary to accurately and precisely measure the analyte in the sample.
7. Well P2A was decommissioned in August 2007.
8. DW-1 was converted to an injection well on 22 May 2006 and 25 January 2008, and to an extraction well on 30 March 2007.
9. Well PMW-1-1 was not sampled during the August 2006 quarterly sampling event due to low recharge.
10. Monitoring well sampling discontinued due to low recharge during the baseline sampling event; however, adequate sample volumes were available during the November 2006 and February 2007 quarterly sampling events.
11. Well DW-2 was converted to an injection well on 22 May 2006. Injection was discontinued on 30 August 2007, was resumed on 25 January 2008, and was discontinued on 2 May 2008.
12. The sample bottles for analysis of ethene, ethane, and methane were broken during shipping but the samples bottles for VOC analysis were okay. DW-2 was re-sampled on 28 April 2010 for analysis of ethene, ethane, and methane.
13. Groundwater extraction at wells X1B and X2B1 was discontinued on 11 December 2006, was resumed on 25 January 2008, and was discontinued on 2 May 2008.
14. Groundwater extraction at wells X2A and DW-7 was discontinued on 3 August 2006, was resumed on 25 January 2008, and was discontinued on 2 May 2008.
15. Sample ID is "X1B1" on laboratory report.
16. Groundwater extraction at wells DW-8, 16-S, and 16-D was discontinued on 1 May, 10 August, and 18 October 2006, respectively. Extraction at wells 16-S and 16-D was resumed on 25 January 2008, and was discontinued on 2 May 2008.
17. Samples for ethene, ethane, and methane were not analyzed due to field oversight.
18. U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
19. DW-1 is the only extraction well in operation during the period from 11 April 2007 to 23 January 2008 and, therefore, analytical results for influent and DW-1 are the same.
20. The midpoint and effluent ports for the GAC vessel were sampled after replacement of carbon in the lag vessel on 18 September 2006. The lag carbon vessel was disconnected on 31 January 2008, and no samples were taken from the midpoint port after 31 January 2008.

Abbreviations:

< = compound not detected above indicated laboratory reporting limit
<0.5 / <0.5 = indicates that duplicate samples were collected
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1 dichloroethane
1,1-DCE = 1,1-dichloroethene
1,2-DCB = 1,2-dichlorobenzene
1,3-DCB = 1,3-dichlorobenzene
1,4-DCB = 1,4-dichlorobenzene
CB = chlorobenzene
cDCE = cis-1,2-dichloroethene
CE = chloroethane
PCE = tetrachloroethene
TCE = trichloroethene
tDCE = trans-1,2-dichloroethene
TOC = total organic carbon
µg/L = micrograms per liter
VC = vinyl chloride
VOC = volatile organic compound

TABLE 4

ISB MONITORING PROGRAM [1]

FORMER 901 THOMPSON PLACE FACILITY

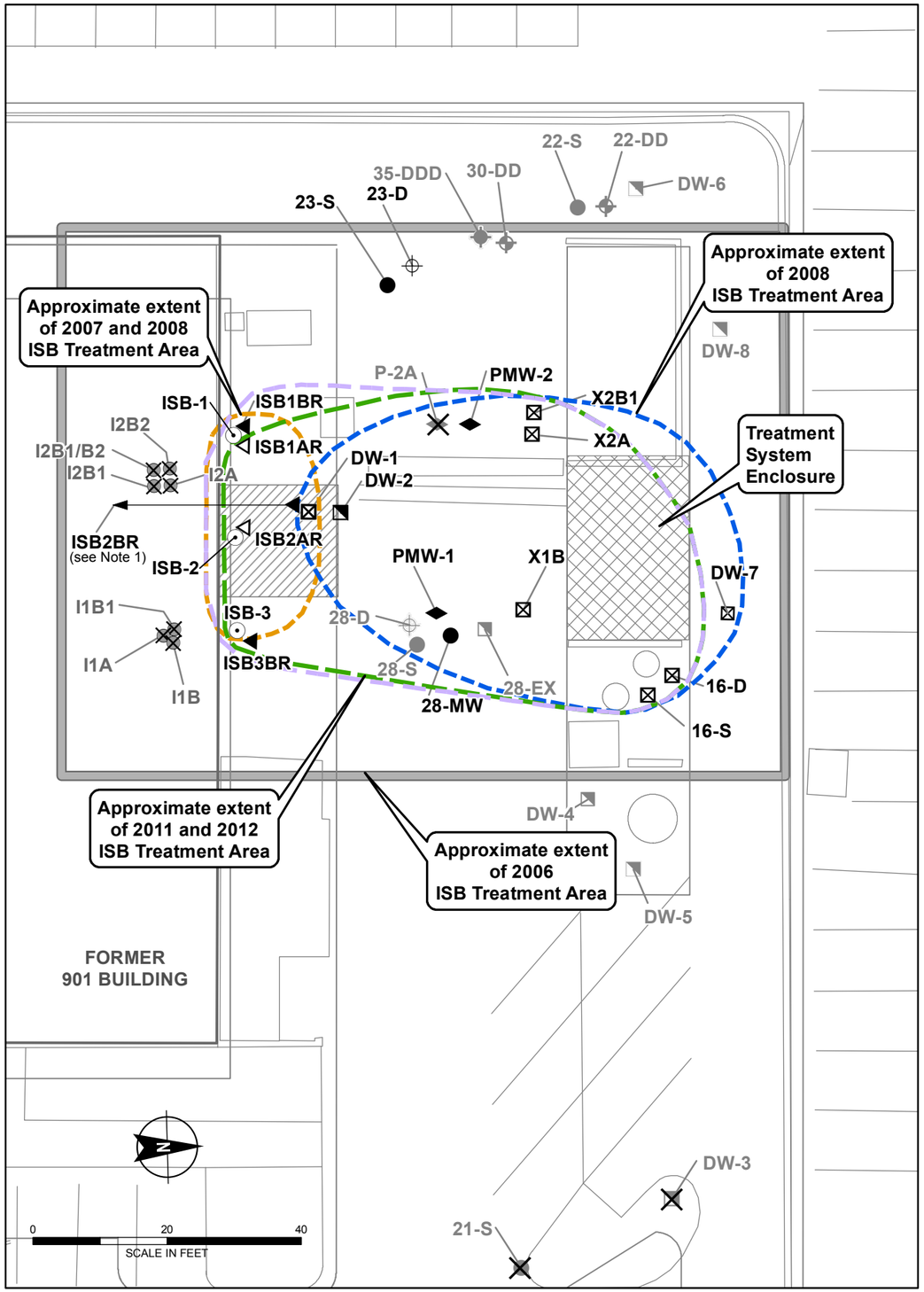
SUNNYVALE, CALIFORNIA

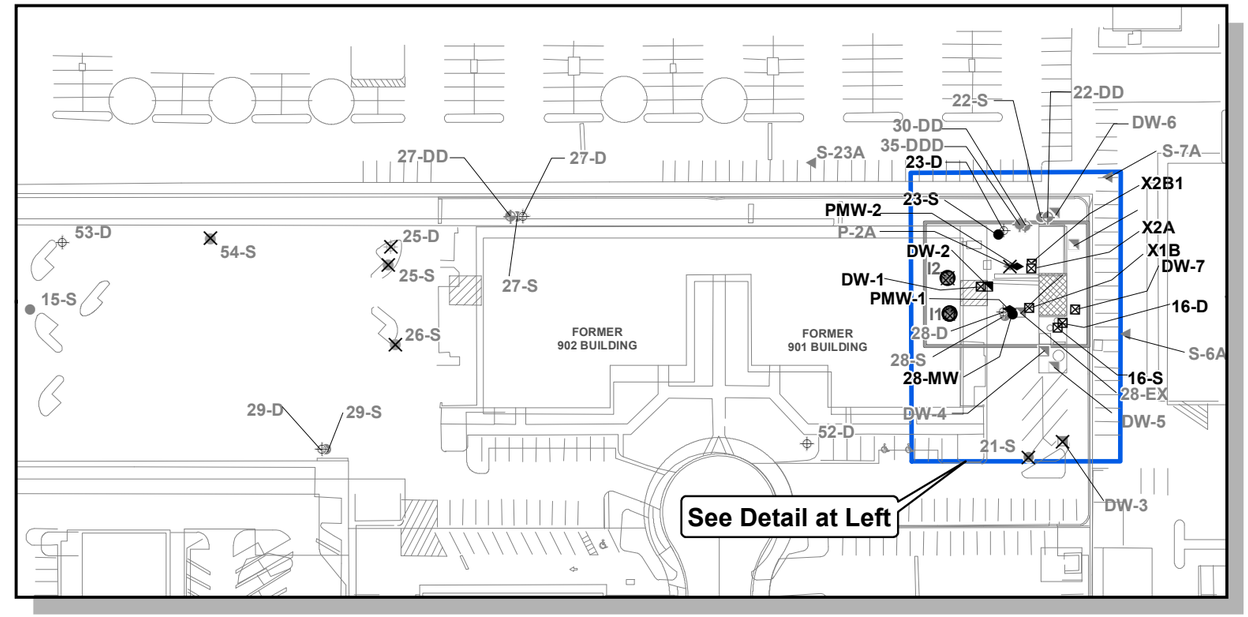
Well ID	Water Levels	Sampling
23-S	Quarterly	Quarterly [2]
23-D	Quarterly	Quarterly
DW-1	Quarterly	Quarterly
28-MW	Quarterly	Quarterly
PMW-1-1	Quarterly	--
PMW-1-2	Quarterly	--
PMW-1-3	Quarterly	--
PMW-2-1	Quarterly	Quarterly
PMW-2-2	Quarterly	--
PMW-2-3	Quarterly	Quarterly
DW-2	Quarterly	Quarterly
X2B1	Quarterly	Quarterly
X2A	Quarterly	Quarterly
X1B	Quarterly	Quarterly
16-S	Quarterly	Quarterly
DW-7	Quarterly	Quarterly
16-D	Quarterly	Quarterly
DW-8	--	--
ISB1AR	--	--
ISB1BR	--	--
ISB2AR	--	--
ISB2BR	--	--
ISB3BR	--	--

Notes:

1. ISB = in situ bioremediation.
2. Samples are analyzed for VOCs by EPA Method 8260B, TOC by EPA Method 415.2, and ethene, methane, ethane by AM20GAX.
3. -- = Not included in monitoring plan.

FIGURE





LEGEND

- EXTRACTION WELL
- A-ZONE MONITORING WELL
- B1-ZONE MONITORING WELL
- B2-ZONE MONITORING WELL
- B3-ZONE MONITORING WELL
- A-ZONE INJECTION WELL
- B-ZONE INJECTION WELL
- DESTROYED WELL
- PERFORMANCE MONITORING WELL (PMW-1, PMW-1, P-2A)
- IN SITU BIOREMEDIATION EXTRACTION WELL
- SOIL BORING AND DEPTH-DISCRETE GROUNDWATER SAMPLING LOCATION
- FORMER BUILDING BOUNDARIES
- FORMER POINT SOURCE LOCATION (NEUTRALIZATION AND STORAGE TANKS)

0 100 200
SCALE IN FEET

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. INJECTION WELL ISB2BR INSTALLED AT A 30-DEGREE ANGLE FROM VERTICAL WITH A BEARING TO THE SOUTH.
3. BASE MAP PROVIDED BY AMD.

HALEY ALDRICH

FORMER 901/902 THOMPSON PLACE
SUNNYVALE, CALIFORNIA

LAYOUT OF THE IN SITU BIOREMEDIATION PROGRAM

MARCH 2015

FIGURE 1

GIS FILE PATH: G:\39751_AMD_Former 901-902 Thompson Place\GIS\Figures\Figures_20131\39751_AMD\Global\GIS\MapProjects\2015-03\39751-003-0001-SitePlan.mxd — USER: amcclure — LAST SAVED: 3/10/2015 9:14:10 AM

ATTACHMENT A

Field Sampling Data Sheets

Transmittal

February 10, 2015

Mr. Michael Zlotoff, PE
Haley & Aldrich, Inc.
2107 North First Street, Suite 380
San Jose, California 95131-2028

Please find enclosed:

Re: ***901 Thompson Place, Sunnyvale, California***

Field Sampling and Analysis Request; Chain-of-custody Documentation; and, Water Sample Field Data for the quarterly monitoring conducted in February 2015.

Comments:

Field Solutions, Inc. (FSI) has completed the quarterly water quality monitoring services at 901 Thompson Place in Sunnyvale, California consistent with the executed subcontracting agreement between Haley & Aldrich and FSI. Samples were collected from thirteen wells after the initial liquid level survey was completed. Tubing systems were re-installed in wells PMW-2-1, PMW-2-3, and DW-2 before micropurging was initiated. Dedicated systems were still present in the remaining wells from the previous events. Samples were collected after indicator parameter stabilization had occurred. Water removed during groundwater well purging was transported to the treatment system at 915 DeGuigne.

Samples collected for volatile organic compounds (VOCs) and total organic carbon (TOC) were relinquished to a courier service provided by Curtis & Tompkins in Berkeley, California. Samples collected for dissolved gases were shipped via Federal Express to Pace Analytical Laboratory (formerly Microseeps) in Pittsburg, Pennsylvania, accompanied by chain-of-custody documentation.

Quality control samples were collected during this monitoring program. One trip blank (TB-1), obtained from the laboratory was relinquished with the samples for VOC analysis. Additionally, one duplicate (DUP-1) was collected at well 23-D and submitted for analysis, and extra sample volume for matrix spike/duplicate matrix spike analyses was collected at well 28-MW.

Field observations and measurements, including well integrity issues and instrument calibration data are included on the attached field data sheets. Thank you for the opportunity to provide the requested services. Please call if you have any questions.

James V. Butera
Field Services Coordinator

Attachments

901 Thompson Place, Sunnyvale California

Quarterly Monitoring Program, 1Q 2015

	Well ID	Aquifer	Diameter (inches)	Interval (ft below TOC)	Intake (ft below TOC)	
	Comnplete the attached liquid level survey. Micropurge and sample the A wells first, followed by the B wells in any order. After liquid level stabilization, record temperature, pH, specific conductance, DO, and Redox at regular intervals until stability has be achieved for three consecutive measurements. Transport the purgewater to the DeGuigne treatment system. Relinquish VOC and TOC samples to Curtis and Tompkins. The metabolic gas samples need to be shipped to Mi~~croseeps.~~ Mace Analytical					
	Dedicate tubing systems with the intake as indicated at each location. Sample all of the wells listed below in the order listed.					
X	23-S	A-Zone	4.0	9 - 16 ✓	12	
X	28-MW	A-Zone	2.0	10 - 16.3 ✓	13	**Collect 6 additional VOAs (HCL) for MS/MSD**
X	23-D	B-Zone	4.0	40 - 50	~~45~~ 42	**Collect DUP1 at this well/ not including gases**
X	PMW-2-1	B-Zone	1.1	26.7 - 28.1 ✓	27 ✓	
X	PMW-2-3	B-Zone	1.1	45.5 - 48.2 ✓	47 ✓	
X	X2A	A-Zone	2.0	10 - 19.9 ✓	14 ✓	
X	X1B	B-Zone	2.0	25.4 - 30.2 ✓	28 ✓	
X	X2B1	B-Zone	2.0	26.5 - 36.5	31 ✓	
X	16-S	A-Zone	4.0	9 - 16 ✓	12 ✓	
X	16-D	B-Zone	4.0	31 - 41	36 ✓	
X	DW-1	B-Zone	12.0	30 - 40	35 ✓	
X	DW-7	B-Zone	12.0	35 - 45	40 ✓	
	DW-2	A-Zone	12.0	10 - 14	12	
	Record depth to liquid only in the wells listed below					
	PMW-2-2	B-Zone	1.1			
	PMW-1-1	B-Zone	1.1			
	PMW-1-2	B-Zone	1.1			
	PMW-1-3	B-Zone	1.1			

Analytical Parameters

CURTIS AND TOMPKINS - OFFICE THURSDAY

VOCs (8260B) 8010 list

(3 VOAs w/ HCL)

TOC (415.1)

(1 250 ml Amber w/ H2SO4)

SHIP TO MICROSEEPS - ON THURSDAY

Methane, Ethene, and Ethane

(2 VOAs w/Na3PO4)

Carry trip blanks with the samples at all times and relinquish them with the samples submitted to the lab.

DO NOT REMOVE THE TUBING SYSTEMS THESE WILL BE USED TO PURGE AND SAMPLE WELLS DURING THE NEXT QUARTERLY PROGRAM

2/5/15

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Microseeps

Page: 1 of 2

002682

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Haley & Aldrich	Report To: Mike Calhoun	Attention:
Address: 1956 Webster St. #450 Oakland CA 94612	Copy To:	Company Name:
		Address:
Email To: MCalhoun@HaleyAldrich.com	Purchase Order No.:	Pace Quote Reference:
Phone: (510) 879-4554 Fax:	Project Name: 901 Thompson Place	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: 39751	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zink Acetate & NaOH	Other NO3 PO4	Analysis Test (Y/N): Methane	Ethene	Ethane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	23-S	WT	G	NA	NA	2/5/15	0847	NA	2								X	X	X	X		
2	28-MW	↓	↓	↓	↓	2/5/15	1020	↓	2								X	X	X	X		
3	23-D	↓	↓	↓	↓	2/5/15	0836	↓	2								X	X	X	X		
4	PMW-2-1	↓	↓	↓	↓	2/5/15	1008	↓	2								X	X	X	X		
5	PMW-2-3	↓	↓	↓	↓	2/5/15	1016	↓	2								X	X	X	X		
6	X2A	↓	↓	↓	↓	2/5/15	0924	↓	2								X	X	X	X		
7	X1B	↓	↓	↓	↓	2/5/15	1006	↓	2								X	X	X	X		
8	X2B1	↓	↓	↓	↓	2/5/15	0929	↓	2								X	X	X	X		
9	16-S	↓	↓	↓	↓	2/5/15	1126	↓	2								X	X	X	X		
10	16-D	↓	↓	↓	↓	2/5/15	1050	↓	2								X	X	X	X		
11	DW-1	↓	↓	↓	↓	2/5/15	0940	↓	2								X	X	X	X		
12	DW-7	↓	↓	↓	↓	2/5/15	1110	↓	2								X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / F.S.I.	2/5/15	1340				

3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: LEON BRUK

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/5/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Microseeps

Page: 2 of 2

002683

Section A Required Client Information:

Company: Haley & Aldrich
Address: 1956 Webster St. #450, Oakland, CA 94612
Email To: MCalhoun@haleyaldrich.com
Phone: 510-879-4591 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Mike Calhoun
Copy To:
Purchase Order No.:
Project Name: 901 Thompson Place
Project Number: 39751

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Section D Required Client Information

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zink Acetate & NaOH	Other Na3PO4	Analysis Test Y/N	Methane	Ethene	Ethane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DW-2	WT	G	NA	NA	2/5/15	0847	NA	2								X		X	X	X		
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / F.S.I.	2/5/15	1340				

3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: LEON BRUK

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/5/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

CHAIN OF CUSTODY

Page 1 of 2

Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # _____

Project No: 39751
Project Name: 901 Thompson Place
Project P. O. No:
EDD Format: Report Level ☒ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☒ Standard

Sampler: Gallegos/Guevara/Bruk
Report To: Mike Calhoun
Company: Haley & Aldrich
Telephone: (510) 879-4554
Email: MCalhoun@haleyaldrich.com

ANALYTICAL REQUEST

Lab No.	Sample ID.	SAMPLING Date Collected	SAMPLING Time Collected	MATRIX Water	MATRIX Solid	# of Containers	CHEMICAL PRESERVATIVE HCl	H2SO4	HNO3	NaOH	None	8260B + Freon 113 (USW9010 list)	TOC (415.1)	
	23-S	2-5-15	0847	X		4	X	X				X	X	
	DW-2	2-5-15	0847	X		4	X	X				X	X	
	23-D	2-5-15	0836	X		4	X	X				X	X	
	DUP1	2-5-15	—	X		4	X	X				X	X	
	X2A	2-5-15	0924	X		4	X	X				X	X	
	DW-1	2/5/15	0940	X		4	X	X				X	X	
	X1B	2/5/15	1006	X		4	X	X				X	X	
	28-MW	2/5/15	1020	X		10	X	X				X	X	MS/MSD
	TB-1	2/5/15	—	X		3	X					X		
	16-D	2/5/15	1056	X		4	X	X				X	X	
	DW-7	2/5/15	1110	X		4	X	X				X	X	
	X2B1	2/5/15	0929	X		4	X	X				X	X	
	PMW-2-1	2/5/15	1008	X		4	X	X				X	X	

Notes:

SAMPLE RECEIPT
☒ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
[signature] DATE: 2/5/15 TIME: 1445
DATE: TIME:
DATE: TIME:

RECEIVED BY:
[signature] DATE: 2/5/15 TIME: 1445
DATE: TIME:
DATE: TIME:

CHAIN OF CUSTODY

Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # _____

Project No: 39751
Project Name: 901 Thompson Place
Project P. O. No:
EDD Format: Report Level ☒ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☒ Standard

Sampler: Gallegos/Guerrero/Brik
Report To: Mike Calhoun
Company: Haley & Aldrich
Telephone: (510) 879-4554
Email: MCalhoun@haleyaldrich.com

Lab No.	Sample ID.	SAMPLING Date Collected	SAMPLING Time Collected	MATRIX Water	MATRIX Solid	MATRIX	MATRIX	# of Containers	CHEMICAL PRESERVATIVE HCl	CHEMICAL PRESERVATIVE H2SO4	CHEMICAL PRESERVATIVE HNO3	CHEMICAL PRESERVATIVE NaOH	CHEMICAL PRESERVATIVE None	ANALYTICAL REQUEST: 8260B Ethanol (1B) (w/ w/ Bydrolis)	ANALYTICAL REQUEST: TOC (415.1)
	PMW-2-3	2/5/15	1046	X				4	X	X				X	X
	16-S	2/5/15	1126	X				4	X	X				X	X

Notes:

SAMPLE RECEIPT
☒ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Brik	2/5/15	1445	[signature]	2/5/15	1445

Field Solutions, Inc.
6280 San Ignacio Avenue, Suite P
San Jose, California, 95119

Historical Monitoring Well Data
901 Thompson Place
Sunnyvale, California

Well ID	Date	First Depth to Water (feet)	Second Depth to Water (feet)			Comments
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	9.47	9.47			
15-S	NR	NR	NR			Time: —
	05/27/14	10.32	10.32			
	08/18/14	10.53	10.53			
	10/03/14	10.67	10.67			
16-S	2/5/15	9.89	9.89			Time: 0743
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	8.80	8.80			
22-S	NR	NR	NR			Time: —
	05/27/14	8.88	8.88			
	08/18/14	9.23	9.23			
	10/03/14	9.38	9.38			
23-S	2/5/15	8.66	8.66			Time: 0739
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	10.98	10.98			
27-S	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	10.46	10.46			
28-S	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	9.98	9.98			
29-S	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	6.59	6.59			
36-S	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	6.82	6.82			
37-S	NR	NR	NR			Time: —
	05/27/14	9.39	9.39			
	08/18/14	9.98	9.98			
	10/03/14	10.15	10.15			
16-D	2/5/15	9.53	9.53			Time 0745
	05/27/14	7.12	7.12			
	08/18/14	8.47	8.47			
	10/03/14	8.75	8.75			
23-D	2/5/15	8.00	8.00			Time: 0737
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	10.40	10.40			
27-D	NR	NR	NR			Time: —

Completed By: LB/MG/RG

Field Solutions, Inc.
6280 San Ignacio Avenue, Suite P
San Jose, California, 95119

Historical Monitoring Well Data
901 Thompson Place
Sunnyvale, California

Well ID	Date	First Depth to Water (feet)	Second Depth to Water (feet)			Comments
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	10.22	10.22			
28-D	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	10.00	10.00			
29-D	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	6.36	6.36			
36-D	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	9.80	9.80			
52-D	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	8.73	8.73			
53-D	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	8.16	8.16			
22-DD	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	9.75	9.75			
27-DD	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	6.24	6.24			
36-DD	NR	NR	NR			Time: —
	05/27/14	NR	NR			
	08/18/14	NR	NR			
	10/03/14	6.89	6.89			
35-DDD	NR	NR	NR			Time: —
	05/27/14	9.70	9.70			
	08/18/14	9.99	9.99			
	10/03/14	10.10	10.10			
28-MW	2/5/15	9.35	9.35			Time: 0923
	05/27/14	9.35	9.35			
	08/18/14	9.82	9.82			
	10/03/14	9.40	9.40			
PMW-1-1	2/5/15	9.28	9.28			Time: 0726
	05/27/14	8.99	8.99			
	08/18/14	9.63	9.63			
	10/03/14	9.71	9.71			
PMW-1-2	2/5/15	9.22	9.22			Time: 0728

Completed By: CD/MG/RG

Field Solutions, Inc.
6280 San Ignacio Avenue, Suite P
San Jose, California, 95119

Historical Monitoring Well Data
901 Thompson Place
Sunnyvale, California

Well ID	Date	First Depth to Water (feet)	Second Depth to Water (feet)			Comments
	05/27/14	9.05	9.05			
	08/18/14	9.82	9.82			
	10/03/14	9.95	9.95			
PMW-1-3	2/5/15	9.37	9.37			Time: 0729
	05/27/14	8.98	8.98			water in box
	08/18/14	9.42	9.42			
	10/03/14	9.57	9.57			
PMW-2-1	2/5/15	8.99	8.99			Time: 0730
	05/27/14	8.26	8.26			
	08/18/14	9.38	9.38			
	10/03/14	9.48	9.48			
PMW-2-2	2/5/15	8.74	8.74			Time: 0731
	05/27/14	7.64	7.64			
	08/18/14	8.91	8.91			
	10/03/14	9.15	9.15			
PMW-2-3	2/5/15	8.45	8.45			Time: 0732
	05/27/14	9.83	9.83			
	08/18/14	10.14	10.14			
	10/03/14	10.28	10.28			
X2A	2/5/15	9.49	9.49			Time: 0739
	05/27/14	9.02	9.02			
	08/18/14	9.49	9.49			
	10/03/14	9.60	9.60			
X1B	2/5/15	8.98	8.98			Time: 0720
	05/27/14	8.02	8.02			
	08/18/14	8.75	8.75			
	10/03/14	9.19	9.19			
X2B1	2/5/15	8.24 ~~9.49~~	8.24 ~~9.49~~			Time: ~~0739~~ 0736
	05/27/14	8.72	8.72			
	08/18/14	9.18	9.18			
	10/03/14	9.32	9.32			
DW-1	2/5/15	8.68	8.68			Time: 0758
	05/27/14	8.25	8.25			
	08/18/14	8.59	8.59			
	10/03/14	8.74	8.74			
DW-2	2/5/15	8.02	8.02			Time: 0741
	05/27/14	8.69	8.69			
	08/18/14	8.47	8.47			
	10/03/14	8.70	8.70			
DW-7	2/5/15	8.10	8.10			Time: 0753
	05/27/14	5.92	5.92			
	08/18/14	7.27	7.27			
	10/03/14	7.53	7.53			
DW-8	2/5/15	6.78	6.78			Time: 0754

Completed By: LB/MO/RG

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: ~~23-15~~ 23-S
SAMPLE ID: ~~23-5~~ 23-S
DATE PURGED: 2-5-15
DATE SAMPLED: 2-5-15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 4.0 Depth to liquid (ft): 8.65 Well depth (ft): 16.4 Screened interval (ft): 9-16
Wetted screened length (ft): 7.0 Stabilized liquid level (ft): 8.95

WELL PURGING: Start Time (2400 Hr): 0825 End Time (2400 Hr): 0846 Pump rate: .200 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): ~~12~~ 12.0
Volume purged: 4,200 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0834	1,900	8.95	14.6	6.76	1901	1.69	89	4.8
0837	2,500	8.95	14.6	6.79	1720	1.68	87	2.8
0840	3,000	8.95	14.6	6.82	1595	1.57	86	3.4
0843	3,600	8.95	14.6	6.83	1580	1.50	86	3.1
0846	4,200	8.95	14.6	6.84	1558	1.47	86	3.0
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0847 End Time (2400 Hr): 0854 Sample reacts with acids (Y / N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none

REMARKS: All Samples taken

Meter Calibration: Date: 2/4/15 Time: 1400 Location of calibration: Office YSI 556 # 05F1981
pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)
D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)
ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): Manuel Gallegos
Signature: [signature]
Reviewed by: [signature]
Page 1 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: 28-MW
SAMPLE ID: 28-MW
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 2.0 Depth to liquid (ft): 9.34 Well depth (ft): 16.6 Screened interval (ft): 10-16.3

Wetted screened length (ft): 6.3 Stabilized liquid level (ft): 9.37

WELL PURGING: Start Time (2400 Hr): 1001 End Time (2400 Hr): 1019 Pump rate: 0.19 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): 13.0

Volume purged: 3,500 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1014	2,300	9.37	17.37	6.68	1,610	0.93	-83.8	2.3
1017	2,900	9.37	17.48	6.67	1,611	0.89	-85.8	2.5
1019	3,500	9.37	17.53	6.62	1,612	0.87	-87.7	1.9
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1020 End Time (2400 Hr): 1030 Sample reacts with acids (Y (N))

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: MS/MSD Samples filtered through 0.45µm filter: none

REMARKS: All samples collected, well cap missing bolts.

Meter Calibration: Date: 2/5/15 Time: 0810 Location of calibration: on site YSI 556 # ____

pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)

D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)

ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): L Brink

Signature: [signature]

Reviewed by: [signature]

Page 2 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: 23-D
SAMPLE ID: 23-D
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 4.0 Depth to liquid (ft): 8.01 Well depth (ft): (*) 44.8 Screened interval (ft): 40-50

Wetted screened length (ft): 4.8 Stabilized liquid level (ft): 8.28

WELL PURGING: Start Time (2400 Hr): 0821 End Time (2400 Hr): 0835 Pump rate: 0.178 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): ~~45~~ 42.0

Volume purged: 2,500 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0829	1,500	8.28	16.8	7.26	1,148	1.12	6	5.9
0832	2,000	8.28	16.8	7.26	1,142	1.10	6	6.1
0835	2,500	8.28	16.8	7.26	1,133	1.19	5	8.7
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0836 End Time (2400 Hr): 0853 Sample reacts with acids (Y/N)

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: DUP 1 Samples filtered through 0.45µm filter: None

REMARKS:

All Samples Collected

(*) 44.8

Meter Calibration: Date: 2/5/15 Time: 0730 Location of calibration: Hoswell YSI 556 # 05/4407

pH 4: (3.98 / 4.01 @ 13 °C) pH 7: (6.97 / 7.00 @ 13 °C) pH 10: (9.89 / 10.00 @ 13 °C)

D.O. (103 / 100 %) D.O. (0.35 ppm) (EC (14,426 / 15,000 µS@25°C)

ORP (244.6 / 246.6 mV @ 13 °C Turbidity Meter (1000-0.02 NTU)

Purged and sampled by (print): R. Guerra Reviewed by: JB

Signature: [signature] Page 3 of 13

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: PMW-2-1
SAMPLE ID: PMW-2-1
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 1.1 Depth to liquid (ft): 8.99 Well depth (ft): 28.1 Screened interval (ft): 26.7-28.1

Wetted screened length (ft): 1.4 Stabilized liquid level (ft): NA

WELL PURGING: Start Time (2400 Hr): 0955 End Time (2400 Hr): 1007 Pump rate: 316 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): 27.0

Volume purged: 3,800 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1001	1,900	NA	16.7	7.01	1,924	0.65	-39	12.0
1004	2,800		16.8	7.01	1,912	0.68	-33	5.2
1007	3,800		16.8	7.00	1,918	0.64	-35	6.9
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1008 End Time (2400 Hr): 1017 Sample reacts with acids (Y / N)

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: NONE Samples filtered through 0.45µm filter: NONE

REMARKS: Unable to get DTW during purging casing to small

All Samples collected

Meter Calibration: Date: 2/5/15 Time: 0730 Location of calibration: 23-D YSI 556 # ____

pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)

D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)

ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): RGuerra Reviewed by: [illegible]

Signature: [illegible]

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: PMW-2-3
SAMPLE ID: PMW-2-3
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 1.1 Depth to liquid (ft): 8.45 Well depth (ft): 48.2 Screened interval (ft): 45.5-48.2

Wetted screened length (ft): 27 Stabilized liquid level (ft): NA

WELL PURGING: Start Time (2400 Hr): 1025 End Time (2400 Hr): 1045 Pump rate: 2.35 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): 47.0

Volume purged: 4,700 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1036	2,000	NA	16.9	7.21	1,128	0.55	-54	5.4
1039	2,900	NA	17.0	7.21	1,132	0.45	-47	2.9
1042	3,800	NA	17.2	7.23	1,134	0.43	-40	2.2
1045	4,700	NA	17.3	7.23	1,134	0.41	-38	2.6
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1046 End Time (2400 Hr): 1055 Sample reacts with acids (Y (N))

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: NONE Samples filtered through 0.45µm filter: NONE

REMARKS: Cannot get DTW during purging well casing too small

All Samples collected

Meter Calibration: Date: 2/5/15 Time: 0730 Location of calibration: 23-D YSI 556 # ____

pH 4: (____ / ____ @ ____ °C) pH 7: (____ / ____ @ ____ °C) pH 10: (____ / ____ @ ____ °C)

D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)

ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): R. Guerra

Signature: [signature]

Reviewed by: [signature]

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: X2A
SAMPLE ID: X2A
DATE PURGED: 2-5-15
DATE SAMPLED: 2-5-15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 2.0 Depth to liquid (ft): 9.52 Well depth (ft): 20.5 Screened interval (ft): 10-19.9
Wetted screened length (ft): 9.9 Stabilized liquid level (ft): 9.90

WELL PURGING: Start Time (2400 Hr): 0910 End Time (2400 Hr): 0923 Pump rate: 0.20 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 14.0
Volume purged: 3,100 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0917	1,900	9.90	15.0	6.81	1842	1.45	-50	4.9
0920	2,400	9.90	15.0	6.81	1844	1.44	-51	4.4
0923	3,100	9.90	15.1	6.81	1858	1.41	-51	4.5
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0924 End Time (2400 Hr): 0930 Sample reacts with acids (Y / N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none

REMARKS:
All Samples taken

Meter Calibration: Date: 2-4-15 Time: 1400 Location of calibration: Office YSI 556 # 05F1981
pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)
D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)
ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): Manuel Gallegos
Signature: [signature]
Reviewed by: [signature]
Page 6 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: X1B
SAMPLE ID: X1B
DATE PURGED: 2-5-15
DATE SAMPLED: 2-5-15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 2.0 Depth to liquid (ft): 9.04 Well depth (ft): 29.3 Screened interval (ft): 25.4-30.2

Wetted screened length (ft): 4.8 Stabilized liquid level (ft): 9.22

WELL PURGING: Start Time (2400 Hr): 0947 End Time (2400 Hr): 1005 Pump rate: 0.14 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): 27.5

Volume purged: 3,000 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0959	2,000	9.22	15.8	6.93	1333	0.55	-58	4.0
1002	2,500	9.22	15.9	6.91	1330	0.52	-63	3.9
1005	3,000	9.22	16.0	6.90	1327	0.51	-64	3.1
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1006 End Time (2400 Hr): 1012 Sample reacts with acids (Y (N))

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: None Samples filtered through 0.45µm filter: None

REMARKS: All Samples taken

Meter Calibration: Date: 2/4/15 Time: 1400 Location of calibration: Office YSI 556 # 05F1981

pH 4: (____ / ____ @ ____ °C) pH 7: (____ / ____ @ ____ °C) pH 10: (____ / ____ @ ____ °C)

D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)

ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): Manuel L. Ballegos

Signature: [signature]

Reviewed by: [signature]

Page 7 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: X2B1
SAMPLE ID: X2B1
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023, 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 2.0 Depth to liquid (ft): 8.12 Well depth (ft): 34.5 Screened interval (ft): 26.5-36.5

Wetted screened length (ft): 10.0 Stabilized liquid level (ft): 9.08

WELL PURGING: Start Time (2400 Hr): 0911 End Time (2400 Hr): 0928 Pump rate: 164 (liters /min)

ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____

Depth to intake from TOC (ft): 31.0

Volume purged: 2,800 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0922	1,800	9.08	15.0	7.03	11,488	1.98	-91	38.8
0925	2,300	9.08	15.0	7.02	11,487	1.89	-90	39.7
0928	2,800	9.08	15.0	7.02	11,483	1.80	-93	
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0929 End Time (2400 Hr): 0939 Sample reacts with acids (Y / N)

Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____

QC samples collected at well: None Samples filtered through 0.45µm filter: None

REMARKS:

All Samples collected

34.5

Meter Calibration: Date: 2/5/15 Time: 0730 Location of calibration: ZB-D YSI 556 #

pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)

D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)

ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): R. Guerra

Signature:

Reviewed by:

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: 16-S
SAMPLE ID: 16-S
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 4.0 Depth to liquid (ft): 9.89 Well depth (ft): 16.0 Screened interval (ft): 9-16
Wetted screened length (ft): 6.11 Stabilized liquid level (ft): 10.13

WELL PURGING: Start Time (2400 Hr): 1110 End Time (2400 Hr): 1125 Pump rate: .233 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 12.0
Volume purged: 3,500 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1119	2,000	10.13	15.9	6.63	1,516	0.50	-75	4.2
1122	3,700	10.13	15.8	6.64	1,531	0.46	-76	3.2
1125	3,500	10.13	15.8	6.64	1,537	0.45	-71	5.7
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1126 End Time (2400 Hr): 1132 Sample reacts with acids (Y/N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: None Samples filtered through 0.45µm filter: None

REMARKS:
All Samples collected

6.8

Meter Calibration: Date: 2/5/15 Time: 0730 Location of calibration: 23-D YSI 556 # ____
pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)
D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)
ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): A. Gomez
Signature: ____
Reviewed by: ____
Page 9 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: 16-D
SAMPLE ID: 16-D
DATE PURGED: 2-5-15
DATE SAMPLED: 2-5-15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 4.0 Depth to liquid (ft): 9.55 Well depth (ft): 38.9 Screened interval (ft): 31-41
Wetted screened length (ft): 10.0 Stabilized liquid level (ft): 9.90

WELL PURGING: Start Time (2400 Hr): 1037 End Time (2400 Hr): 1055 Pump rate: 0.21 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 35.0
Volume purged: 3,900 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1049	2,700	9.90	15.8	7.13	1,192	0.38	-68	12.6
1052	3,300	9.90	15.9	7.13	1,191	0.38	-75	9.9
1055	3,900	9.90	15.9	7.13	1,189	0.34	-77	8.6
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1054 End Time (2400 Hr): 1103 Sample reacts with acids (Y / N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none

REMARKS:
All samples taken

Meter Calibration: Date: 2/4/15 Time: 1400 Location of calibration: Office YSI 556 # 05F1981
pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)
D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)
ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): Manuel L. Gallegos
Signature: [signature]
Reviewed by: [signature]
Page 10 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: DW-1
SAMPLE ID: DW-1
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 12.0 Depth to liquid (ft): 8.68 Well depth (ft): 40.0 Screened interval (ft): 30-40
Wetted screened length (ft): 10 Stabilized liquid level (ft): NR

WELL PURGING: Start Time (2400 Hr): 0910 End Time (2400 Hr): 0939 Pump rate: 0.17 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 35
Volume purged: 5,000 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0924	2,200	NR	16.02	6.86	1,475	1.46	-95.7	5.8
0927	2,700	NR	16.16	6.88	1,473	1.30	-95.3	5.9
0930	3,300	NR	16.25	6.84	1,481	1.18	-94.9	3.9
0933	3900	NR	16.33	6.80	1,495	1.17	-114.5	4.1
0936	4,500	NR	16.41	6.80	1,517	1.10	-130.2	4.0
0939	5,000	NR	16.50	6.79	1,525	1.06	-133.4	4.0
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0940 End Time (2400 Hr): 0947 Sample reacts with acids (Y/(N))
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none

REMARKS: All samples collected. Sounder port too small for both sounder probe and tubing to fit in it; liquid level was not recorded during ~~sampl~~ purging.

Meter Calibration: Date: 2/5/15 Time: 0810 Location of calibration: on site YSI 556 # ____
pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)
D.O. (____/____%) D.O. (____ ppm) (EC (____/____ µS@25°C)
ORP (____/____mV @____°C Turbidity Meter (____/____ NTU)

Purged and sampled by (print): L. Brik
Signature: [signature]
Reviewed by: [signature]
Page 11 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: DW-7
SAMPLE ID: DW-7
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 6.0 Depth to liquid (ft): 8.13 Well depth (ft): 45.0 Screened interval (ft): 35-45
Wetted screened length (ft): 10 Stabilized liquid level (ft): 8.24

WELL PURGING: Start Time (2400 Hr): 1050 End Time (2400 Hr): 1109 Pump rate: 0.19 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 40
Volume purged: 3700 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
1100	1800	8.24	17.25	7.24	898	0.92	-95.1	15.9
1103	2300	8.24	17.35	7.40	874	0.88	-92.1	17.3
1106	2,900	8.24	17.44	7.45	854	0.84	-101.7	17.1
1109	3700	8.24	17.42	7.50	851	0.80	-102.0	17.4
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 1110 End Time (2400 Hr): 1117 Sample reacts with acids (Y / N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none
REMARKS: All samples collected.

Meter Calibration: Date: 2/5/15 Time: 0810 Location of calibration: on site YSI 556 # ____
pH 4: (____ / ____ @ ____°C) pH 7: (____ / ____ @ ____°C) pH 10: (____ / ____ @ ____°C)
D.O. (____ / ____ %) D.O. (____ ppm) (EC (____ / ____ µS@25°C)
ORP (____ / ____ mV @ ____ °C Turbidity Meter (____ / ____ NTU)

Purged and sampled by (print): L. Bmk
Signature: Bmk
Reviewed by: JS
Page 12 of 13

field solutions, inc
ENVIRONMENTAL FIELD SERVICES

WATER SAMPLE FIELD DATA

PROJECT NO.: 39751
PROJECT NAME: 901 Thompson Place
CLIENT: Haley & Aldrich
SITE LOCATION: Sunnyvale, California

WELL ID: DW-2
SAMPLE ID: DW-2
DATE PURGED: 2/5/15
DATE SAMPLED: 2/5/15

WELL INFORMATION – *Gallons per linear ft for casing diameter of: 0.75" = 0.023 2" = 0.163 4.0" = 0.653 6" = 1.5*

Casing diameter (in): 12.0 Depth to liquid (ft): 8.00 Well depth (ft): 14.0 Screened interval (ft): 10-14
Wetted screened length (ft): 4 Stabilized liquid level (ft): 8.01

WELL PURGING: Start Time (2400 Hr): 0827 End Time (2400 Hr): 0846 Pump rate 0.20 (liters /min)
ES-submersible ____ Grundfos-submersible ____ Waterra ____ Peristaltic X Teflon bailer ____ PVC bailer ____
Depth to intake from TOC (ft): 12.0
Volume purged: 3,800 (ml) Purge water disposal: Transported to Treatment System at DeGuigne

Time (2400 Hr)	Volume (ml)	DTW (ft)	Temp (°C)	pH (std. units)	EC (µS@25°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)
0837	2,000	8.01	16.25	6.58	1,960	1.57	-116.8	38.0
0840	2,600	8.01	16.36	6.61	1,946	1.31	-123.1	15.0
0843	3,200	8.01	16.37	6.62	1,942	1.19	-123.6	15.0
0846	3,800	8.01	16.42	6.64	1,939	1.18	-127.9	13.1
				± 1.0	± 3%	± 10%	± 10 mV	

WELL SAMPLING: Start Time (2400 Hr): 0847 End Time (2400 Hr): 0854 Sample reacts with acids (Y / N)
Equipment used: Peristaltic X Grundfos ____ Teflon bailer ____ PVC bailer ____ Waterra ____
QC samples collected at well: none Samples filtered through 0.45µm filter: none
REMARKS: All samples collected. Reaction to Na3PO4 in Methane, Ethene, and Ethane vials during sampling.

Meter Calibration: Date: 2/5/15 Time: 0810 Location of calibration: on site YSI 556 # 14D102256
pH 4: (4.02 / 4.00 @ 11.85 °C) pH 7: (7.02 / 7.00 @ 11.87 °C) pH 10: (10.03 / 10.01 @ 11.82 °C)
D.O. (105.9 / 100.0 %) D.O. (____ ppm) (EC (14,848 / 15,000 µS@25°C)
ORP (248.4 / 249.2 mV @ 11.55 °C Turbidity Meter (10.0 / 10.0 NTU)

Purged and sampled by (print): L. Burk
Signature: L Burk
Reviewed by: JB

ATTACHMENT B

Analytical Laboratory Reports

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 264448
ANALYTICAL REPORT

Haley & Aldrich, Inc. 1956 Webster Street Oakland, CA 94612	Project : 39751 Location : 901 Thompson Place Level : II

Sample ID	Lab ID
23-S	264448-001
DW-2	264448-002
23-D	264448-003
DUP1	264448-004
X2A	264448-005
DW-1	264448-006
X1B	264448-007
28-MW	264448-008
TB-1	264448-009
16-D	264448-010
DW-7	264448-011
X2B1	264448-012
PMW-2-1	264448-013
PMW-2-3	264448-014
16-S	264448-015

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Tracy Babjar Date: 02/13/2015

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**264448**
Client:	**Haley & Aldrich, Inc.**
Project:	**39751**
Location:	**901 Thompson Place**
Request Date:	**02/05/15**
Samples Received:	**02/05/15**

This data package contains sample and QC results for fifteen water samples, requested for the above referenced project on 02/05/15. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
X2B1 (lab # 264448-012) was diluted due to high non-target analytes. X2B1 (lab # 264448-012) had pH greater than 2. No other analytical problems were encountered.

Total Organic Carbon (TOC) (SM5310C):
No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

Chain of Custody #

C&T LOGIN # 264448

Project No: 39751
Project Name: 901 Thompson Place
Project P. O. No:
EDD Format: Report Level ☒ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: Gallegos/Guevara/Bruk
Report To: Mike Calhoun
Company: Haley & Aldrich
Telephone: (510) 879-4554
Email: MCalhoun@haleyaldrich.com

ANALYTICAL REQUEST

Lab No.	Sample ID.	Sampling Date Collected	Sampling Time Collected	Matrix Water	Matrix Solid	# of Containers	Chemical Preservative HCl	H2SO4	HNO3	NaOH	None	8260B + Freon 113 (Ultrasonic Ext)	TOC (415.1)	MS/MSD
1	23-S	2-5-15	0847	X		4	X	X				X	X	
2	DW-2	2-5-15	0847	X		4	X	X				X	X	
3	23-D	2-5-15	0836	X		4	X	X				X	X	
4	DUP1	2-5-15	—	X		4	X	X				X	X	
5	X2A	2-5-15	0924	X		4	X	X				X	X	
6	DW-1	2/5/15	0940	X		4	X	X				X	X	
7	X1B	2/5/15	1006	X		4	X	X				X	X	
8	28-MW	2/5/15	1020	X		10	X	X				X	X	MS/MSD
9	TB-1	2/5/15	—	X		3	X					X		
10	L6-D	2/5/15	1056	X		4	X	X				X	X	
11	DW-7	2/5/15	1110	X		4	X	X				X	X	
12	X2B1	2/5/15	0929	X		4	X	X				X	X	
13	PMW-2-1	2/5/15	1008	X		4	X	X				X	X	

Notes:

SAMPLE RECEIPT
☒ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
[signature] DATE: 2/5/15 TIME: 1445
[signature] DATE: 2/5/15 TIME: 1655
DATE: TIME:

RECEIVED BY:
[signature] DATE: 2/5/15 TIME: 1445
[signature] DATE: 2/5/15 TIME: 1655
DATE: TIME:

CHAIN OF CUSTODY

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In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

Chain of Custody #

C&T LOGIN # 264448

Project No: 39751
Project Name: 901 Thompson Place
Project P. O. No:
EDD Format: Report Level ☒ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: Gallegos/Guevara/Brik
Report To: Mike Calhoun
Company: Haley & Aldrich
Telephone: (510) 879-4554
Email: MCalhoun@HaleyAldrich.com

ANALYTICAL REQUEST

Lab No.	Sample ID.	Sampling Date Collected	Sampling Time Collected	Matrix: Water	Matrix: Solid	# of Containers	Chemical Preservative: HCl	H2SO4	HNO3	NaOH	None	8260B + Freon 113 (with Bromide)	TOC (415.1)
14	PMW-2-3	2/5/15	1046	X		4	X	X				X	X
15	16-S	2/5/15	1126	X		4	X	X				X	X

Notes:

SAMPLE RECEIPT
☒ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
Brik — DATE: 2/5/15 TIME: 1445
[signature] — DATE: 2/5/15 TIME: 1655
DATE: TIME:

RECEIVED BY:
[signature] — DATE: 2/5/15 TIME: 1445
[signature] — DATE: 2/5/15 TIME: 1655
DATE: TIME:

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 264448 Date Received 2/5/15 Number of coolers 1
Client Haley & Aldrich Project 39757

Date Opened 2/5 By (print) [illegible] (sign) [illegible]
Date Logged in " " By (print) " [illegible] " (sign) " [illegible] "

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☒ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 1-6°

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ YES NO
10. Are there any missing / extra samples? _____ YES NO
11. Are samples in the appropriate containers for indicated tests? _____ YES NO
12. Are sample labels present, in good condition and complete? _____ YES NO
13. Do the sample labels agree with custody papers? _____ YES NO
14. Was sufficient amount of sample sent for tests requested? _____ YES NO
15. Are the samples appropriately preserved? _____ YES NO N/A
16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A
17. Did you document your preservative check? _____ YES NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A
21. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
15) Added H_2SO_4 (#2014090938) to -012 on 2/5/15 @ 1740 to pH<2

Rev 10, 9/12

Curtis & Tompkins Sample Preservation for 264448

Sample	pH: <2	>9	>12	Other
-001a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-002a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-003a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-004a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-005a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-006a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-007a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-008a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	

Sample	pH: <2	>9	>12	Other
d	[ ]	[ ]	[ ]	
e	[ ]	[ ]	[ ]	
f	[ ]	[ ]	[ ]	
g	[ ]	[ ]	[ ]	
h	[ ]	[ ]	[ ]	
i	[ ]	[ ]	[ ]	
j	[X]	[ ]	[ ]	
-010a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-011a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-012a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-013a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-014a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	
-015a	[ ]	[ ]	[ ]	
b	[ ]	[ ]	[ ]	
c	[ ]	[ ]	[ ]	
d	[X]	[ ]	[ ]	

Analyst: TJ
Date: 2/5/15

Page 1 of 1

Curtis & Tompkins, Ltd.

Detections Summary for 264448

Results for any subcontracted analyses are not included in this summary.

Client : Haley & Aldrich, Inc.
Project : 39751
Location : 901 Thompson Place

Client Sample ID : 23-S Laboratory Sample ID : 264448-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	1.5		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
1,1-Dichloroethene	0.6		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	7.6		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	90		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
Trichloroethene	27		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
Tetrachloroethene	0.8		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	7.0		0.6	ug/L	As Recd	1.250	EPA 8260B	EPA 5030B
Total Organic Carbon	2.4		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Client Sample ID : DW-2 Laboratory Sample ID : 264448-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Chlorobenzene	0.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	0.5		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Total Organic Carbon	8.6		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Client Sample ID : 23-D Laboratory Sample ID : 264448-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
cis-1,2-Dichloroethene	5.5		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Trichloroethene	280		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B

Client Sample ID : DUP1 Laboratory Sample ID : 264448-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
cis-1,2-Dichloroethene	5.8		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Trichloroethene	270		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Total Organic Carbon	2.8		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Client Sample ID : X2A Laboratory Sample ID : 264448-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	560		7.1	ug/L	As Recd	14.29	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	10		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Chlorobenzene	14		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	15		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Total Organic Carbon	2.7		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Curtis & Tompkins, Ltd.

Client Sample ID : DW-1 Laboratory Sample ID : 264448-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	2.9		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	1.2		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chlorobenzene	0.8		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	0.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Total Organic Carbon	9.4		5.0	mg/L	TOTAL	10.00	SM5310C	METHOD

Client Sample ID : X1B Laboratory Sample ID : 264448-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	390		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	12		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	250		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	3.7		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
1,2,4-Trichlorobenzene	2.0		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B

Client Sample ID : 28-MW Laboratory Sample ID : 264448-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	3.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	2.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chlorobenzene	6.5		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	5.0		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Total Organic Carbon	7.0		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Client Sample ID : TB-1 Laboratory Sample ID : 264448-009

No Detections

Client Sample ID : 16-D Laboratory Sample ID : 264448-010

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	68		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	0.9		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	0.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	3.5		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	1.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Curtis & Tompkins, Ltd.

Client Sample ID : DW-7 Laboratory Sample ID : 264448-011

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	29		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	1.0		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	20		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : X2B1 Laboratory Sample ID : 264448-012

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	2.6		2.5	ug/L	As Recd	5.000	EPA 8260B	EPA 5030B
Total Organic Carbon	2,300		200	mg/L	TOTAL	400.0	SM5310C	METHOD

Client Sample ID : PMW-2-1 Laboratory Sample ID : 264448-013

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	640		42	ug/L	As Recd	83.33	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	5,400		42	ug/L	As Recd	83.33	EPA 8260B	EPA 5030B
Trichloroethene	52		42	ug/L	As Recd	83.33	EPA 8260B	EPA 5030B
Total Organic Carbon	0.73		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Client Sample ID : PMW-2-3 Laboratory Sample ID : 264448-014

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	12		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	1.8		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	96		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Trichloroethene	240		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B

Client Sample ID : 16-S Laboratory Sample ID : 264448-015

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Vinyl Chloride	15		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	0.5		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	2.7		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chlorobenzene	16		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,4-Dichlorobenzene	2.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	9.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Total Organic Carbon	4.3		0.50	mg/L	TOTAL	1.000	SM5310C	METHOD

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	23-S	Batch#:	220250
Lab ID:	264448-001	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	1.250		

Analyte	Result	RL
Chloromethane	ND	1.3
Vinyl Chloride	1.5	0.6
Bromomethane	ND	1.3
Chloroethane	ND	1.3
Trichlorofluoromethane	ND	1.3
Freon 113	ND	2.5
1,1-Dichloroethene	0.6	0.6
Methylene Chloride	ND	25
trans-1,2-Dichloroethene	7.6	0.6
1,1-Dichloroethane	ND	0.6
cis-1,2-Dichloroethene	90	0.6
Chloroform	ND	1.3
1,1,1-Trichloroethane	ND	0.6
Carbon Tetrachloride	ND	0.6
1,2-Dichloroethane	ND	0.6
Trichloroethene	27	0.6
1,2-Dichloropropane	ND	0.6
Bromodichloromethane	ND	0.6
cis-1,3-Dichloropropene	ND	0.6
trans-1,3-Dichloropropene	ND	0.6
1,1,2-Trichloroethane	ND	0.6
Tetrachloroethene	0.8	0.6
Dibromochloromethane	ND	0.6
Chlorobenzene	ND	0.6
Bromoform	ND	0.6
1,1,2,2-Tetrachloroethane	ND	0.6
1,3-Dichlorobenzene	ND	0.6
1,4-Dichlorobenzene	ND	0.6
1,2-Dichlorobenzene	7.0	0.6
1,2,4-Trichlorobenzene	ND	0.6
1,2,3-Trichlorobenzene	ND	0.6

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	DW-2	Batch#:	220215
Lab ID:	264448-002	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	0.6	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	0.5	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	23-D	Batch#:	220215
Lab ID:	264448-003	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	3.333		

Analyte	Result	RL
Chloromethane	ND	3.3
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	5.5	1.7
Chloroform	ND	3.3
1,1,1-Trichloroethane	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Trichloroethene	280	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
cis-1,3-Dichloropropene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
Chlorobenzene	ND	1.7
Bromoform	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7
1,2,4-Trichlorobenzene	ND	1.7
1,2,3-Trichlorobenzene	ND	1.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	112	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	DUP1	Batch#:	220215
Lab ID:	264448-004	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	3.333		

Analyte	Result	RL
Chloromethane	ND	3.3
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	5.8	1.7
Chloroform	ND	3.3
1,1,1-Trichloroethane	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Trichloroethene	270	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
cis-1,3-Dichloropropene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
Chlorobenzene	ND	1.7
Bromoform	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7
1,2,4-Trichlorobenzene	ND	1.7
1,2,3-Trichlorobenzene	ND	1.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	X2A	Units:	ug/L
Lab ID:	264448-005	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chloromethane	ND	6.3	6.250	220215	02/09/15
Vinyl Chloride	560	7.1	14.29	220250	02/10/15
Bromomethane	ND	6.3	6.250	220215	02/09/15
Chloroethane	ND	6.3	6.250	220215	02/09/15
Trichlorofluoromethane	ND	6.3	6.250	220215	02/09/15
Freon 113	ND	13	6.250	220215	02/09/15
1,1-Dichloroethene	ND	3.1	6.250	220215	02/09/15
Methylene Chloride	ND	130	6.250	220215	02/09/15
trans-1,2-Dichloroethene	ND	3.1	6.250	220215	02/09/15
1,1-Dichloroethane	ND	3.1	6.250	220215	02/09/15
cis-1,2-Dichloroethene	10	3.1	6.250	220215	02/09/15
Chloroform	ND	6.3	6.250	220215	02/09/15
1,1,1-Trichloroethane	ND	3.1	6.250	220215	02/09/15
Carbon Tetrachloride	ND	3.1	6.250	220215	02/09/15
1,2-Dichloroethane	ND	3.1	6.250	220215	02/09/15
Trichloroethene	ND	3.1	6.250	220215	02/09/15
1,2-Dichloropropane	ND	3.1	6.250	220215	02/09/15
Bromodichloromethane	ND	3.1	6.250	220215	02/09/15
cis-1,3-Dichloropropene	ND	3.1	6.250	220215	02/09/15
trans-1,3-Dichloropropene	ND	3.1	6.250	220215	02/09/15
1,1,2-Trichloroethane	ND	3.1	6.250	220215	02/09/15
Tetrachloroethene	ND	3.1	6.250	220215	02/09/15
Dibromochloromethane	ND	3.1	6.250	220215	02/09/15
Chlorobenzene	14	3.1	6.250	220215	02/09/15
Bromoform	ND	3.1	6.250	220215	02/09/15
1,1,2,2-Tetrachloroethane	ND	3.1	6.250	220215	02/09/15
1,3-Dichlorobenzene	ND	3.1	6.250	220215	02/09/15
1,4-Dichlorobenzene	ND	3.1	6.250	220215	02/09/15
1,2-Dichlorobenzene	15	3.1	6.250	220215	02/09/15
1,2,4-Trichlorobenzene	ND	3.1	6.250	220215	02/09/15
1,2,3-Trichlorobenzene	ND	3.1	6.250	220215	02/09/15

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
1,2-Dichloroethane-d4	112	75-139	6.250	220215	02/09/15
Toluene-d8	100	80-120	6.250	220215	02/09/15
Bromofluorobenzene	102	80-120	6.250	220215	02/09/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	DW-1	Batch#:	220215
Lab ID:	264448-006	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	2.9	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	0.8	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	1.2	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	1.1	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	0.8	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	0.6	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	X1B	Batch#:	220215
Lab ID:	264448-007	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	4.000		

Analyte	Result	RL
Chloromethane	ND	4.0
Vinyl Chloride	390	2.0
Bromomethane	ND	4.0
Chloroethane	ND	4.0
Trichlorofluoromethane	ND	4.0
Freon 113	ND	8.0
1,1-Dichloroethene	ND	2.0
Methylene Chloride	ND	80
trans-1,2-Dichloroethene	12	2.0
1,1-Dichloroethane	ND	2.0
cis-1,2-Dichloroethene	250	2.0
Chloroform	ND	4.0
1,1,1-Trichloroethane	ND	2.0
Carbon Tetrachloride	ND	2.0
1,2-Dichloroethane	ND	2.0
Trichloroethene	ND	2.0
1,2-Dichloropropane	ND	2.0
Bromodichloromethane	ND	2.0
cis-1,3-Dichloropropene	ND	2.0
trans-1,3-Dichloropropene	ND	2.0
1,1,2-Trichloroethane	ND	2.0
Tetrachloroethene	ND	2.0
Dibromochloromethane	ND	2.0
Chlorobenzene	ND	2.0
Bromoform	ND	2.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,3-Dichlorobenzene	ND	2.0
1,4-Dichlorobenzene	ND	2.0
1,2-Dichlorobenzene	3.7	2.0
1,2,4-Trichlorobenzene	2.0	2.0
1,2,3-Trichlorobenzene	ND	2.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	28-MW	Batch#:	220237
Lab ID:	264448-008	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	3.7	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	2.7	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	6.5	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	5.0	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	113	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	TB-1	Batch#:	220237
Lab ID:	264448-009	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	99	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	110	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	16-D	Batch#:	220284
Lab ID:	264448-010	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/11/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	68	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	0.9	0.5
1,1-Dichloroethane	0.7	0.5
cis-1,2-Dichloroethene	3.5	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	1.7	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	DW-7	Batch#:	220284
Lab ID:	264448-011	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/11/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	29	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	1.0	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	20	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	113	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	X2B1	Batch#:	220237
Lab ID:	264448-012	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	5.000		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	2.6	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	100
trans-1,2-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	2.5
cis-1,2-Dichloroethene	ND	2.5
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
cis-1,3-Dichloropropene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
Tetrachloroethene	ND	2.5
Dibromochloromethane	ND	2.5
Chlorobenzene	ND	2.5
Bromoform	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2,4-Trichlorobenzene	ND	2.5
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	114	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	PMW-2-1	Batch#:	220237
Lab ID:	264448-013	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	83.33		

Analyte	Result	RL
Chloromethane	ND	83
Vinyl Chloride	640	42
Bromomethane	ND	83
Chloroethane	ND	83
Trichlorofluoromethane	ND	83
Freon 113	ND	170
1,1-Dichloroethene	ND	42
Methylene Chloride	ND	1,700
trans-1,2-Dichloroethene	ND	42
1,1-Dichloroethane	ND	42
cis-1,2-Dichloroethene	5,400	42
Chloroform	ND	83
1,1,1-Trichloroethane	ND	42
Carbon Tetrachloride	ND	42
1,2-Dichloroethane	ND	42
Trichloroethene	52	42
1,2-Dichloropropane	ND	42
Bromodichloromethane	ND	42
cis-1,3-Dichloropropene	ND	42
trans-1,3-Dichloropropene	ND	42
1,1,2-Trichloroethane	ND	42
Tetrachloroethene	ND	42
Dibromochloromethane	ND	42
Chlorobenzene	ND	42
Bromoform	ND	42
1,1,2,2-Tetrachloroethane	ND	42
1,3-Dichlorobenzene	ND	42
1,4-Dichlorobenzene	ND	42
1,2-Dichlorobenzene	ND	42
1,2,4-Trichlorobenzene	ND	42
1,2,3-Trichlorobenzene	ND	42

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	113	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	PMW-2-3	Batch#:	220237
Lab ID:	264448-014	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	3.333		

Analyte	Result	RL
Chloromethane	ND	3.3
Vinyl Chloride	12	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	1.8	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	96	1.7
Chloroform	ND	3.3
1,1,1-Trichloroethane	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Trichloroethene	240	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
cis-1,3-Dichloropropene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
Chlorobenzene	ND	1.7
Bromoform	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7
1,2,4-Trichlorobenzene	ND	1.7
1,2,3-Trichlorobenzene	ND	1.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	75-139
Toluene-d8	92	80-120
Bromofluorobenzene	117	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	16-S	Batch#:	220209
Lab ID:	264448-015	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	15	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	0.5	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	2.7	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	16	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	2.1	0.5
1,2-Dichlorobenzene	9.1	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220209
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Type: BS Lab ID: QC776346

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.37	113	66-135
Trichloroethene	25.00	26.84	107	80-123
Chlorobenzene	25.00	27.90	112	80-123
1,2,4-Trichlorobenzene	25.00	23.94	96	66-133
1,2,3-Trichlorobenzene	25.00	25.45	102	64-134

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	85	80-120

Type: BSD Lab ID: QC776347

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.16	101	66-135	12	24
Trichloroethene	25.00	25.06	100	80-123	7	20
Chlorobenzene	25.00	25.77	103	80-123	8	20
1,2,4-Trichlorobenzene	25.00	22.53	90	66-133	6	24
1,2,3-Trichlorobenzene	25.00	23.18	93	64-134	9	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	86	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC776348	Batch#:	220209
Matrix:	Water	Analyzed:	02/09/15
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	93	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220215
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Type: BS Lab ID: QC776372

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.03	100	66-135
Trichloroethene	25.00	24.61	98	80-123
Chlorobenzene	25.00	26.29	105	80-123
1,2,4-Trichlorobenzene	25.00	27.83	111	66-133
1,2,3-Trichlorobenzene	25.00	28.17	113	64-134

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	95	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-120

Type: BSD Lab ID: QC776373

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.18	97	66-135	3	24
Trichloroethene	25.00	23.85	95	80-123	3	20
Chlorobenzene	25.00	25.51	102	80-123	3	20
1,2,4-Trichlorobenzene	25.00	27.44	110	66-133	1	24
1,2,3-Trichlorobenzene	25.00	27.75	111	64-134	1	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC776374	Batch#:	220215
Matrix:	Water	Analyzed:	02/09/15
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	220209
MSS Lab ID:	264407-002	Sampled:	02/03/15
Matrix:	Water	Received:	02/04/15
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Type: MS Lab ID: QC776416

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1268	25.00	24.91	100	73-129
Trichloroethene	<0.1000	25.00	24.41	98	73-123
Chlorobenzene	<0.1000	25.00	26.63	107	80-120
1,2,4-Trichlorobenzene	<0.1000	25.00	22.13	89	68-120
1,2,3-Trichlorobenzene	<0.1000	25.00	22.78	91	68-121

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	83	80-120

Type: MSD Lab ID: QC776417

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.55	98	73-129	1	25
Trichloroethene	25.00	23.08	92	73-123	6	20
Chlorobenzene	25.00	24.66	99	80-120	8	24
1,2,4-Trichlorobenzene	25.00	19.79	79	68-120	11	21
1,2,3-Trichlorobenzene	25.00	18.19	73	68-121	22	22

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	85	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220237
Units:	ug/L	Analyzed:	02/09/15
Diln Fac:	1.000		

Type: BS Lab ID: QC776468

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	12.15	97	66-135
Trichloroethene	12.50	12.03	96	80-123
Chlorobenzene	12.50	12.60	101	80-123
1,2,4-Trichlorobenzene	12.50	12.38	99	66-133
1,2,3-Trichlorobenzene	12.50	12.54	100	64-134

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC776469

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	13.11	105	66-135	8	24
Trichloroethene	12.50	12.50	100	80-123	4	20
Chlorobenzene	12.50	12.83	103	80-123	2	20
1,2,4-Trichlorobenzene	12.50	12.46	100	66-133	1	24
1,2,3-Trichlorobenzene	12.50	12.17	97	64-134	3	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC776470	Batch#:	220237
Matrix:	Water	Analyzed:	02/09/15
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	113	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Field ID:	28-MW	Batch#:	220237
MSS Lab ID:	264448-008	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	1.000		

Type: MS Lab ID: QC776497

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1000	25.00	27.10	108	73-129
Trichloroethene	0.1175	25.00	25.77	103	73-123
Chlorobenzene	6.478	25.00	32.45	104	80-120
1,2,4-Trichlorobenzene	<0.1141	25.00	21.86	87	68-120
1,2,3-Trichlorobenzene	<0.1000	25.00	21.40	86	68-121

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	93	80-120

Type: MSD Lab ID: QC776498

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	23.50	94	73-129	14	25
Trichloroethene	25.00	23.29	93	73-123	10	20
Chlorobenzene	25.00	29.87	94	80-120	8	24
1,2,4-Trichlorobenzene	25.00	22.95	92	68-120	5	21
1,2,3-Trichlorobenzene	25.00	22.67	91	68-121	6	22

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220250
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	1.000		

Type: BS Lab ID: QC776522

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	13.38	107	66-135
Trichloroethene	12.50	13.97	112	80-123
Chlorobenzene	12.50	13.75	110	80-123
1,2,4-Trichlorobenzene	12.50	15.10	121	66-133
1,2,3-Trichlorobenzene	12.50	15.16	121	64-134

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-120

Type: BSD Lab ID: QC776523

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.89	95	66-135	12	24
Trichloroethene	12.50	12.82	103	80-123	9	20
Chlorobenzene	12.50	13.20	106	80-123	4	20
1,2,4-Trichlorobenzene	12.50	14.93	119	66-133	1	24
1,2,3-Trichlorobenzene	12.50	15.12	121	64-134	0	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	95	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC776524	Batch#:	220250
Matrix:	Water	Analyzed:	02/10/15
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220284
Units:	ug/L	Analyzed:	02/10/15
Diln Fac:	1.000		

Type: BS Lab ID: QC776652

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	12.72	102	66-135
Trichloroethene	12.50	12.55	100	80-123
Chlorobenzene	12.50	12.95	104	80-123
1,2,4-Trichlorobenzene	12.50	12.72	102	66-133
1,2,3-Trichlorobenzene	12.50	12.58	101	64-134

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-120

Type: BSD Lab ID: QC776653

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.90	95	66-135	7	24
Trichloroethene	12.50	12.00	96	80-123	4	20
Chlorobenzene	12.50	12.45	100	80-123	4	20
1,2,4-Trichlorobenzene	12.50	12.43	99	66-133	2	24
1,2,3-Trichlorobenzene	12.50	12.67	101	64-134	1	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	EPA 5030B
Project#:	39751	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC776654	Batch#:	220284
Matrix:	Water	Analyzed:	02/10/15
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Organic Carbon (TOC)

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	METHOD
Project#:	39751	Analysis:	SM5310C
Analyte:	Total Organic Carbon	Batch#:	220178
Matrix:	Water	Sampled:	02/05/15
Units:	mg/L	Received:	02/05/15

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
23-S	SAMPLE	264448-001	2.4	0.50	1.000	02/06/15
DW-2	SAMPLE	264448-002	8.6	0.50	1.000	02/06/15
23-D	SAMPLE	264448-003	ND	0.50	1.000	02/06/15
DUP1	SAMPLE	264448-004	2.8	0.50	1.000	02/06/15
X2A	SAMPLE	264448-005	2.7	0.50	1.000	02/10/15
DW-1	SAMPLE	264448-006	9.4	5.0	10.00	02/06/15
X1B	SAMPLE	264448-007	ND	0.50	1.000	02/06/15
28-MW	SAMPLE	264448-008	7.0	0.50	1.000	02/06/15
16-D	SAMPLE	264448-010	ND	0.50	1.000	02/06/15
DW-7	SAMPLE	264448-011	ND	0.50	1.000	02/06/15
X2B1	SAMPLE	264448-012	2,300	200	400.0	02/06/15
PMW-2-1	SAMPLE	264448-013	0.73	0.50	1.000	02/06/15
PMW-2-3	SAMPLE	264448-014	ND	0.50	1.000	02/06/15
16-S	SAMPLE	264448-015	4.3	0.50	1.000	02/06/15
	BLANK	QC776224	ND	0.50	1.000	02/06/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Organic Carbon (TOC)

Lab #:	264448	Location:	901 Thompson Place
Client:	Haley & Aldrich, Inc.	Prep:	METHOD
Project#:	39751	Analysis:	SM5310C
Analyte:	Total Organic Carbon	Diln Fac:	1.000
Field ID:	28-MW	Batch#:	220178
MSS Lab ID:	264448-008	Sampled:	02/05/15
Matrix:	Water	Received:	02/05/15
Units:	mg/L	Analyzed:	02/06/15

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
LCS	QC776225		10.00	9.561	96	90-110		
MS	QC776226	7.031	2.000	9.070	102	35-129		
MSD	QC776227		2.000	9.071	102	35-129	0	44

RPD= Relative Percent Difference

Microseeps/Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

February 18, 2015

Michael Calhoun
Haley & Aldrich
1956 Webster St
Suite 450
Oakland, CA 94612

RE: **901 THOMPSON PLACE / 39751**

Microseeps Workorder: 14685

Dear Michael Calhoun:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, February 06, 2015. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Robbin Robl 02/18/2015
rrobl@microseeps.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages 23

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Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID	Sample ID	Matrix	Date Collected	Date Received
146850001	23-S	Water	2/5/2015 08:47	2/6/2015 08:30
146850002	28-MW	Water	2/5/2015 10:20	2/6/2015 08:30
146850003	23-D	Water	2/5/2015 08:36	2/6/2015 08:30
146850004	PMW-2-1	Water	2/5/2015 10:08	2/6/2015 08:30
146850005	PMW-2-3	Water	2/5/2015 10:46	2/6/2015 08:30
146850006	X2A	Water	2/5/2015 09:24	2/6/2015 08:30
146850007	X1B	Water	2/5/2015 10:06	2/6/2015 08:30
146850008	X2B1	Water	2/5/2015 09:29	2/6/2015 08:30
146850009	16-S	Water	2/5/2015 11:26	2/6/2015 08:30
146850010	16-D	Water	2/5/2015 10:56	2/6/2015 08:30
146850011	DW-1	Water	2/5/2015 09:40	2/6/2015 08:30
146850012	DW-7	Water	2/5/2015 11:10	2/6/2015 08:30
146850013	DW-2	Water	2/5/2015 08:47	2/6/2015 08:30

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850001** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **23-S** Date Collected: 2/5/2015 08:47

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**2.3**	ug/l	0.10	0.042	1			2/10/2015 14:37	SL	
Ethane	**0.0085J**	ug/l	0.025	0.0020	1			2/10/2015 14:37	SL	
Ethene	**0.0086J**	ug/l	0.025	0.0030	1			2/10/2015 14:37	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850002** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **28-MW** Date Collected: 2/5/2015 10:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**7600**	ug/l	0.10	0.042	1			2/10/2015 14:55	SL	
Ethane	**3.5**	ug/l	0.025	0.0020	1			2/10/2015 14:55	SL	
Ethene	**0.28**	ug/l	0.025	0.0030	1			2/10/2015 14:55	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850003** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **23-D** Date Collected: 2/5/2015 08:36

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**0.12**	ug/l	0.10	0.042	1			2/10/2015 16:01	SL	
Ethane	**0.0054J**	ug/l	0.025	0.0020	1			2/10/2015 16:01	SL	
Ethene	**0.068**	ug/l	0.025	0.0030	1			2/10/2015 16:01	SL	

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Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850004** Date Received: 2/6/2015 08:30 Matrix: Water

Sample ID: **PMW-2-1** Date Collected: 2/5/2015 10:08

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**11000**	ug/l	0.10	0.042	1			2/10/2015 16:14	SL	
Ethane	**16**	ug/l	0.025	0.0020	1			2/10/2015 16:14	SL	
Ethene	**75**	ug/l	0.025	0.0030	1			2/10/2015 16:14	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850005** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **PMW-2-3** Date Collected: 2/5/2015 10:46

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**7.7**	ug/l	0.10	0.042	1			2/10/2015 16:30	SL	
Ethane	**0.030**	ug/l	0.025	0.0020	1			2/10/2015 16:30	SL	
Ethene	**0.93**	ug/l	0.025	0.0030	1			2/10/2015 16:30	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850006** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **X2A** Date Collected: 2/5/2015 09:24

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**2900**	ug/l	0.10	0.042	1			2/10/2015 16:56	SL	
Ethane	**3.3**	ug/l	0.025	0.0020	1			2/10/2015 16:56	SL	
Ethene	**68**	ug/l	0.025	0.0030	1			2/10/2015 16:56	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850007** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **X1B** Date Collected: 2/5/2015 10:06

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**5200**	ug/l	0.10	0.042	1			2/10/2015 17:10	SL	
Ethane	**2.0**	ug/l	0.025	0.0020	1			2/10/2015 17:10	SL	
Ethene	**88**	ug/l	0.025	0.0030	1			2/10/2015 17:10	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850008** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **X2B1** Date Collected: 2/5/2015 09:29

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**18000**	ug/l	0.10	0.042	1			2/10/2015 17:24	SL	
Ethane	**5.6**	ug/l	0.025	0.0020	1			2/10/2015 17:24	SL	
Ethene	**4.1**	ug/l	0.025	0.0030	1			2/10/2015 17:24	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850009** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **16-S** Date Collected: 2/5/2015 11:26

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**2400**	ug/l	0.10	0.042	1			2/10/2015 17:38	SL	
Ethane	**1.6**	ug/l	0.025	0.0020	1			2/10/2015 17:38	SL	
Ethene	**0.93**	ug/l	0.025	0.0030	1			2/10/2015 17:38	SL	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850010** Date Received: 2/6/2015 08:30 Matrix: Water

Sample ID: **16-D** Date Collected: 2/5/2015 10:56

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**1200**	ug/l	0.10	0.042	1			2/17/2015 07:46	BW	
Ethane	**1.6**	ug/l	0.025	0.0020	1			2/17/2015 07:46	BW	
Ethene	**6.5**	ug/l	0.025	0.0030	1			2/17/2015 07:46	BW	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850011** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **DW-1** Date Collected: 2/5/2015 09:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**15000**	ug/l	0.10	0.042	1			2/17/2015 08:00	BW	
Ethane	**240**	ug/l	0.025	0.0020	1			2/17/2015 08:00	BW	
Ethene	**4.2**	ug/l	0.025	0.0030	1			2/17/2015 08:00	BW	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850012** Date Received: 2/6/2015 08:30 Matrix: Water

Sample ID: **DW-7** Date Collected: 2/5/2015 11:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**9.8**	ug/l	0.10	0.042	1			2/17/2015 08:12	BW	
Ethane	**0.12**	ug/l	0.025	0.0020	1			2/17/2015 08:12	BW	
Ethene	**0.43**	ug/l	0.025	0.0030	1			2/17/2015 08:12	BW	

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ANALYTICAL RESULTS

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID: **146850013** Date Received: 2/6/2015 08:30 Matrix: Water
Sample ID: **DW-2** Date Collected: 2/5/2015 08:47

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Methane	**9400**	ug/l	0.10	0.042	1			2/17/2015 08:23	BW	
Ethane	**1.7**	ug/l	0.025	0.0020	1			2/17/2015 08:23	BW	
Ethene	**0.028**	ug/l	0.025	0.0030	1			2/17/2015 08:23	BW	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 14685 901 THOMPSON PLACE / 39751

DEFINITIONS/QUALIFIERS

Disclaimer : The Pennsylvania Department of Environmental Protection (PADEP) has decided to no longer recognize analyses that do not produce data for primary compliance, for NELAP accreditation. The methods affected by this decision are AM20GAx, AM21G, SW846 7199 and AM4.02. The laboratory shall continue to administer the NELAP/TNI standard requirements in the performance of these methods.

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).

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QUALITY CONTROL DATA

Workorder: 14685 901 THOMPSON PLACE / 39751

QC Batch: DISG/4367 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 146850001, 146850002, 146850003, 146850004, 146850005, 146850006, 146850007, 146850008, 146850009

METHOD BLANK: 33249

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 33251 33253

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	750	800	840	108	112	80-120	3.6	20	
Ethane	ug/l	38	43	43	115	113	80-120	1.8	20	
Ethene	ug/l	35	39	39	111	110	80-120	0.9	20	

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QUALITY CONTROL DATA

Workorder: 14685 901 THOMPSON PLACE / 39751

QC Batch: DISG/4381 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 146850010, 146850011, 146850012, 146850013

METHOD BLANK: 33339

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 33340 33341

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	750	710	710	94	95	80-120	1.1	20	
Ethane	ug/l	38	39	40	104	105	80-120	0.96	20	
Ethene	ug/l	35	37	37	104	105	80-120	0.96	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 14685 901 THOMPSON PLACE / 39751

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
146850001	23-S			AM20GAX	DISG/4367
146850002	28-MW			AM20GAX	DISG/4367
146850003	23-D			AM20GAX	DISG/4367
146850004	PMW-2-1			AM20GAX	DISG/4367
146850005	PMW-2-3			AM20GAX	DISG/4367
146850006	X2A			AM20GAX	DISG/4367
146850007	X1B			AM20GAX	DISG/4367
146850008	X2B1			AM20GAX	DISG/4367
146850009	16-S			AM20GAX	DISG/4367
146850010	16-D			AM20GAX	DISG/4381
146850011	DW-1			AM20GAX	DISG/4381
146850012	DW-7			AM20GAX	DISG/4381
146850013	DW-2			AM20GAX	DISG/4381

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

14685

Microseeps

Page: 1 of 2

002682

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Haley & Aldrich	Report To: Mike Calhoun	Attention:
Address: 1956 Webster St. #450 Oakland CA 94612	Copy To:	Company Name:
		Address:
Email To: MCalhoun@HaleyAldrich.com	Purchase Order No.:	Pace Quote Reference:
Phone: (510) 879-4554 Fax:	Project Name: 901 Thompson Place	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: 39751	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zink Acetate & NaOH	Other Na3 PO4	Analysis Test (Y/N): Methane	Ethene	Ethane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	23-S	WT	G	NA	NA	2/5/15	0847	NA	2								X		X	X		
2	28-MW					2/5/15	1020		2								X		X	X		
3	23-D					2/5/15	0836		2								X		X	X		
4	PMW-2-1					2/5/15	1008		2								X		X	X		
5	PMW-2-3					2/5/15	1016		2								X		X	X		
6	X2A					2/5/15	0924		2								X		X	X		
7	X1B					2/5/15	1000		2								X		X	X		
8	X2B1					2/5/15	0929		2								X		X	X		
9	16-S					2/5/15	1126		2								X		X	X		
10	16-D					2/5/15	1056		2								X		X	X		
11	DW-1					2/5/15	0940		2								X		X	X		
12	DW-7					2/5/15	1110		2								X		X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	OBrik / F.S.I.	2/5/15	1340	[illegible] PACES	2/6/15	0830	1	Y	Y	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: LEON BRUK

SIGNATURE of SAMPLER: OBrik

DATE Signed (MM/DD/YY): 2/5/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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14685

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Microseeps

002683

Section A Required Client Information:

Company: Haley & Aldrich
Address: 1956 Webster St. #450
Oakland, CA 94612
Email To: MCalhoun@HaleyAldrich.com
Phone: 510-579-4554 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Mike Calhoun
Copy To:
Purchase Order No.:
Project Name: 901 Thompson Place
Project Number: 39751

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zink Acetate & NaOH	Other Na3PO4	Analysis Test (Y/N): Methane	Ethene	Ethane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DW-2	WT	G	NA	NA	2/5/15	0847	NA	2								X	X	X	X		
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Brk / F.S.I.	2/5/15	1340	[illegible] PACES	2/6/15	0830	1	Y	Y	

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: LEON BRUK
SIGNATURE of SAMPLER: Brk
DATE Signed (MM/DD/YY): 2/5/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Cooler Receipt Form

Client Name: Haley & Aldrich Project: 901 Thompson Place Lab Work Order: 14685

A. Shipping/Container Information (circle appropriate response)

Courier: (FedEx) UPS USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 8041 0462 6355

Custody Seal on Cooler/Box Present: (Yes) No Seals Intact: (Yes) No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 10C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) N

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformar
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: LS Date: 2.6.15

Project Manager Review: PR Date: 2/6/15