KIA SUMNER

1069 OAK HILL ROAD
LAFAYETTE, CA 94549-0131

RECEIVED
By Alameda County Environmental Health 11:23 am, Jun 24, 2015

June 16, 2015

Ms. Karel Detterman
Alameda County LOP
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

SUBJECT: FIRST SEMESTER 2015 GROUNDWATER MONITORING AND SAMPLING REPORT
3635 13th Avenue, Oakland, CA

Dear Ms. Detterman:

Enclosed, please find a copy of the June 15, 2015 subject 1st Semester 2015 Groundwater Monitoring and Sampling Report prepared by my consultant, Enviro Soil Tech Consultants.

I declare, under penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Sincerely,

Kia Sumner 6/16/15

KIA SUMNER, ASSIGNEE

File No. 3-13-855-SC

FIRST SEMESTER 2015 GROUNDWATER MONITORING AND SAMPLING LOCATED AT 3635 13TH AVENUE OAKLAND, CALIFORNIA JUNE 15, 2015

PREPARED FOR:
MR. KIA SUMNER, ASSIGNEE
1069 OAK HILL ROAD
LAFAYETTE, CALIFORNIA 94549-0131

BY:
ENVIRO SOIL TECH CONSULTANTS
131 TULLY ROAD
SAN JOSE, CALIFORNIA 95111

ENVIRO SOIL TECH CONSULTANTS

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ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 Email: info@envirosoiltech.com

June 15, 2015

File No. 3-13-855-SC

Mr. Kia Sumner
1069 Oak Hill Road
Lafayette, California 94549

SUBJECT: FIRST SEMESTER 2015 GROUNDWATER MONITORING & SAMPLING AT THE PROPERTY
Located at 3635 13th Avenue, in
Oakland, California

Dear Mr. Sumner,

Enviro Soil Tech is pleased to transmit our monitoring report for the first half of 2015 for the property located at 3635 13th Avenue, in Oakland, California. The wells were sampled on May 29, 2015.

If you have any questions or require additional information, please feel free to contact our office at 408-297-1500 or via email at info@envirosoiltech.com.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

VICTOR B. CHEVREN, Ph.D.
R.G. #3475

PROFESSIONAL GEOLOGIST
VICTOR B. CHERVEN
No. 3475
STATE OF CALIFORNIA

FRANK HAMEDI
GENERAL MANAGER

SITE LOCATION AND DESCRIPTION

The site is located at the intersection of 13th Avenue and Excelsior Street in east-central of Oakland, near the MacArthur Freeway (Figure 1). The topography in the area is hilly, and land use is primarily residential. The site was the location of a gasoline service station owned by Mr. John Williamson, but the structures have been removed and the property is currently vacant. It is a rectangular lot of approximately 4000 square feet and is bordered on the south by an apartment building, and on the west by residences. An Oakland fire station is located on the other side of 13th Avenue.

BACKGROUND

TANK REMOVAL

When it was in operation, the gasoline station employed three underground storage tanks. Two of the tanks stored gasoline, and were 500 and 1,000 gallons in capacity. The third tank was a 250-gallon tank that stored waste oil. The gasoline tanks were located toward the north end of the site, and the waste oil tank was inside an office and mechanics shop building near the south end (Figure 2).

The tanks were removed in 1992 and were not replaced. Soil around the margins of each excavation showed evidence of petroleum stains, and holes were observed in the waste oil tank. The other tanks appeared to be in tact. Five soil samples were collected from beneath the tanks for analysis.

No hydrocarbons were detected in the samples from the north end of the gasoline tanks, but fairly low concentrations (1 part per million and 27 parts per million) of Total Petroleum Hydrocarbons (TPHg) were detected from the south ends of both tanks. Benzene, Toluene, Ethylbenzene, and Xylene were also detected, at concentrations that ranged from 5 to 34 parts per billion.

The sample from beneath the waste oil tank was analyzed for Total Oil and Grease, and a concentration of 8,200 parts per million was reported by the laboratory. The TPHg concentration was also elevated (290 ppm), as was the total lead concentration (225 ppm). A total BTEX concentration of 4,490 ppb was also detected.

Water entered both gasoline tank excavations and was sampled. TPHg and BTEX were detected at elevated concentrations in both samples.

SOIL REMOVAL

In late 1993, All Environmental, Inc. (AEI) removed the remaining site structures including the building, and the waste oil tank excavation was enlarged to remove the remaining contaminated soil. The excavation was deepened to 18 feet, and approximately 360 cubic yards of soil were excavated and disposed of. Uncontaminated native soil was bluish-gray, but exhibited a petroleum odor and greenish color due to gasoline staining. At the conclusion of the excavation work, eight soil samples were collected from the walls and floor of the excavation, and the results indicated that the contaminated soil had been removed.

SITE ASSESSMENT

Alameda County Health Care Service Agency (ACHCSA) requested assessment of the potential for groundwater contamination at the site, and work commenced in March 1994. AEI installed monitor wells MW-1 to MW-3 (Figure 2), but did not sample the wells until November. TPHg was detected in soil samples from MW-1 and MW-2 between 10 and 15 feet below surface grade, at concentrations that ranged from about 6 to 15 parts per million. All BTEX compounds were also detected, at concentrations up to 140 ppb (Benzene) and 240 ppb (Xylene). TPHg was detected in the water samples at 210 and 11,000 ppb, respectively. No hydrocarbons were detected in the soil samples from MW-3, but TPHg was present in the water sample at 200 ppb.

During drilling, groundwater entered the wells slowly or not at all, so they were drilled to depths ranging from 25 to 36 feet. The top of the screened interval ranged from 12 to 16 feet. By the time they were sampled in November, the water level had risen to between 11 and 12.5 feet below grade, meaning that the water level was above the screened interval at that time. Using the 3-point method, AEI determined that the hydraulic gradient was to the southeast and was “fairly steep”.

AEI extended the assessment in late 1997/early 1998, drilling nine soil borings on site, and again in 2003, drilling six more borings off site (Figure 2). The results showed high concentrations of gasoline, diesel, and BTEX in groundwater in all fourteen borings, but AEI did not include a groundwater isoconcentration map in their 2004 report of these investigations.

GROUNDWATER MONITORING

AEI began groundwater monitoring on a quarterly basis in 1994, but changed to a semi-annual basis in 1995. Historical depth and concentration data are given in Table 1. The depth to groundwater has fluctuated between 6 and 15 feet over time. Even though the static water level has been above the screens on numerous occasions, this does not appear to account for the variation in hydrocarbon concentrations in the wells, because considerable variation has taken place even while the screens were submerged. Initially, the groundwater flow direction was inferred to be to the southeast, but by 2008 AEI concluded that the flow varies from southeast to south.

RECEPTOR SURVEY AND REMEDIAL ACTION PLAN

AEI also conducted a sensitive receptor survey and a preferential pathway study in conjunction with the preparation of an assessment of remedial options for the site. That report was completed in 2007, and led to further assessment later that year.

FURTHER ASSESSMENT

ACHCSA required additional assessment of the soil and groundwater plume in 2006, and eight additional borings and three additional monitor wells were drilled in 2007. SB-16 through SB-23 were drilled to depths of 25 to 36 feet and sampled continuously. MW-4 was drilled adjacent to SB-18, MW-5 was drilled adjacent to SB-22, and MW-6 was drilled adjacent to SB-21 (Figure 2). Fifty-five soil samples and eleven water samples (plus three from the previously drilled wells) were analyzed and the results were presented in 2008. AEI

included groundwater isoconcentration maps for TPHg, TPHd, and Benzene in that report. In addition to these significant concentrations of the gasoline oxygenates, Methyl Tertiary Butyl Ether (MTBE) and Di-isopropyl Ether (DIPE), along with the solvent 1,2-Dichloroethane (DCA) were reported.

In contrast to AEI's original interpretation that the waste oil tank was likely the principal environmental concern, these maps indicated that the plume originated beneath the gasoline tanks and spread to the southeast beneath 13th Avenue due to the prevailing groundwater flow in that direction. In view of the results, AEI proposed several additional activities for the site, and these were conditionally approved by ACHCSA later in 2008. As of the end of 2012, only one of these activities had been performed—installation of monitor well MW-7 in the southeastern portion of the site. Due to lack of activity since then, ACHCSA issued a Notice of Violation in December 2012. AEI responded with a letter in January 2013 that indicated when these activities would be performed. However, the dates were not met.

NEW RESPONSIBLE PARTY AND CONSULTANT

The property was transferred to Kia Sumner in March of 2013, and Enviro Soil Tech Consultants (ESTC) was retained as the new consulting firm to continue the project. The files were transferred to ESTC's office in San Jose late in the year. ESTC began groundwater monitoring in 2014, and submitted a *Site Conceptual Model and Work Plan* in early 2015.

SCOPE OF WORK

This is the third monitoring event conducted by ESTC. The scope of work was as follows:

- Measure depth to static water level in monitoring wells and check for presence of free product or gasoline odor.

- Purge and sample each well.

- Submit water samples to a State-Certified laboratory for analyses of Total Petroleum Hydrocarbons as gasoline (TPHg) per EPA Method 8015 MOD; Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX); and gasoline oxygenates Methyl Tertiary Butyl Ether (MTBE) and other petroleum hydrocarbons constituents per EPA Method 8260B.

- Review the results and prepare a monitoring report.

MONITORING PROCEDURES

ESTC personnel visited the site on May 29, 2015 to conduct the monitoring. After the wells were opened and allowed to equilibrate with atmospheric pressure, a water level meter was used to measure the depth to groundwater in each well and the results were recorded on the monitoring data sheet (Appendix "E"). Then a clear bailer was lowered into each well and approximately 3 to 4 gallons were purged. The purged water was stored in a 1000-gallon tank on site.

After the wells were purged, the water level was checked to make sure that the well had recovered to 90% of the pre-purging measurement and then the disposal bailer was used to collect samples from each well. The samples were poured into 40-ml glass vials, placed in a cooled ice chest, and transported to Curtis & Tompkins, Ltd. laboratory for analyses.

RESULTS

DEPTH TO GROUNDWATER AND GROUNDWATER GRADIENT

The depth to groundwater on May 29 was about 3 feet less than when it was monitored in November 2014. It ranged from about 15.5 to 16.5 feet below surface grade (Table 2). The static water level was below the top of the screened interval in MW-1 and MW-3 but was 1 to 2 feet above the screen in the other five wells.

Depth data were converted to elevation by subtracting from the elevation of the top of the well casings and the results are contoured in Figure 2. The groundwater flow direction is still to the south. The gradient is approximately 0.04 ft/ft, which is very steep. Interpretation in the area to the south of the site continues to be tentative due to the lack of wells.

ANALYTICAL RESULTS

The analytical results are shown in Tables 1 and 2, and isoconcentration maps for TPHg, Benzene, and MTBE are shown in Figures 3 through 5. Concentrations rose sharply in MW-2, MW-4, MW-5, and MW-6 in May, but declined slightly in MW-1 and MW-7. These changes appear to be directly attributable to the change in water depth. In MW-2, the static water level was at 18.65 feet in November, which would have placed it slightly above the base of the permeable sand layer that is impacted by gasoline. Thus, relatively little of the gasoline was dissolved in the water. In May, the level was at 15.57 feet, which is at the top of this layer; hence, the impacted layer was entirely within the saturated zone, causing the TPHg and other concentrations to rise. A similar situation occurred in MW-4, MW-5, and MW-6. In

MW-7, however, the water level was at 20.3 feet in November and 15.7 feet in May. In November, the water level was within this impacted sand layer, whereas in May the water level was in the low-permeability clay layer above it. This suggests that when the water level rose above the sand layer, some of the gasoline remained adsorbed within the sand layer and was not sampled in May. The well may not have been sufficiently purged to fully mix the highly contaminated water below with the less contaminated water nearer to the soil-water interface.

If this interpretation is correct, it is in accord with previously collected analytical data that indicates that a secondary source exists within the sand layer that lies between 10 and 20 feet in much of the site area. This secondary source is the impacted soil from which hydrocarbons are continuing to desorb into groundwater.

CONCLUSIONS

ESTC concludes that gasoline dissolves in groundwater during periods when the static water level is within the impacted sand layer, and that this gasoline-impacted groundwater flows to the south relatively rapidly due to the steep hydraulic gradient and confinement within the permeable sand layer. We recommend that the previously proposed monitor wells south of the site should be drilled as soon as possible so that the extent of contamination can be defined quickly and the site can move into the remediation phase.

LIMITATIONS:

This report and the associated work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

1) The observations of field personnel.
2) The results of laboratory analyses performed by a state-certified laboratory.

It is possible that variations in the soil and groundwater could exist beyond the points explored in this investigation. Also, changes in groundwater conditions of a property can occur with the passage of time due to variations in rainfall, temperature, regional water usage and other natural processes or the works of man on this property or adjacent properties.

This report is issued with the understanding that it is the responsibility of the owner or his/her representative to ensure that the information and recommendations contained herein are called to the attention of the Local Environmental Agency.

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June 15, 2015

A P P E N D I X "A"

TABLES

ENVIRO SOIL TECH CONSULTANTS

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June 15, 2015

TABLE 1
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
11/22/94 *	MW-1 (194.75)	25	12-25	10.92◊	183.83	Slightly turbid No odor	210	ND <50	ND <0.5	ND <0.5	ND <0.5	2.3	NA	NA	NA	NA	Not Analyzed
2/22/95*				10.58◊	184.17	No sheen or odor	140	ND <50	ND <0.5	ND <0.5	0.6	1.5	NA	NA	NA	NA	Not Analyzed
5/24/95*				10.94◊	183.81	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
8/18/95*				14.52♦	180.23	No sheen or odor	2800	ND <50	25	6.2	22	30	NA	NA	NA	NA	Not Analyzed
2/07/96*				4.43◊	190.32	Slightly turbid No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	NA	NA	NA	NA	Not Analyzed
8/14/96[A] 9/06/96★				13.60♦	181.15	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <5[B]	NA	NA	NA	Not Analyzed
6/19/97★				13.07♦	181.68	Not Available	630	400	25	9.7	100	14	15[B]	NA	NA	NA	Not Analyzed
1/24/02★				9.53◊	185.22	Beige sheen No odor	60	ND <50	3.3	2.8	2.0	6.0	ND <5[B]	NA	NA	NA	Not Analyzed
7/15/03★				12.85♦	181.90	Brown sheen No odor	87	ND <50	15	4.9	3.3	9.2	ND <5[B]	NA	NA	NA	Not Analyzed
10/10/03 ★				14.58♦	180.17	Brown/Slight hydrocarbon odor	81	110	ND <0.5	0.62	0.57	0.5	ND <5[B]	NA	NA	NA	Not Analyzed
4/06/04★				10.92◊	183.83	Brown/No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
7/09/04★				14.34♦	180.41	Brown/No odor	130	80	ND <0.5	ND <0.5	2.8	0.78	ND <35[B]	NA	NA	NA	Not Analyzed
10/08/04 ★				15.30♦	179.45	Brown/No odor	260	120	3.0	2.9	8.3	10	24[B]	NA	NA	NA	Not Analyzed
4/05/07★				12.19♦	182.56	Brown to light Petroleum odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
7/02/07★				13.28♦	181.47	Brown to light Petroleum odor	150	79	ND <0.5	1.0	ND <0.5	ND <0.5	ND<25[B] 23[C]	NA	ND <5	NA	None Detected
10/03/07 ★				17.05♦	177.70	Milky brown No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	5.8[B] 7.4[C]	NA	ND <5	NA	None Detected
1/09/08★	(197.28) Resurvey			6.74◊	190.54	Light brown No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <2	NA	None Detected

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
4/04/08★	MW-1 (197.28)	25	12-25	13.16♦	184.12	Light brown No odor	130	NA	ND <0.5	1.2	22	0.93	ND<10[B] 9.1[C]	NA	ND <2	NA	None Detected
12/16/13				19.04♦	178.24	No sheen Petroleum odor	110	NA	ND <0.5	ND <0.5	0.7	ND <0.5	46	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 4.4 Propylbenzene 3.5 sec-Butylbenzene 1.0
4/17/14				10.11◊	187.17	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <10	ND <0.5	None Detected<0.5
11/04/11				19.27♦	178.01	No sheen or odor	97	NA	21	ND <0.5	3.2	2.3	1.1	ND <0.5	ND <10	ND <0.5	Propylbenzene 0.5 1,2,4-Trimethylbenzene 1.3
5/29/15				16.07♦	181.51	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	1.1	ND <0.5	ND <0.5	ND <0.5	ND <10	ND <0.5	None Detected<0.5
11/22/94 *	MW-2 (196.44)	36	16-36	12.54◊	183.90	Slight turbid Strong gas odor	11,000	ND <50	35	21	7	50	NA	NA	NA	NA	Not Analyzed
2/23/95*				12.35◊	184.09	Sheen Fuel odor	4,000	ND <50	ND <0.5	ND <0.5	3	6	NA	NA	NA	NA	Not Analyzed
5/24/95*				12.11◊	184.33	Sheen Strong odor	8,600	ND <50	95	37	37	70	NA	NA	NA	NA	Not Analyzed
8/18/95*				16.25♦	180.19	No sheen/Strong hydrocarbon odor	7,200	ND <50	43	21	21	71	NA	NA	NA	NA	Not Analyzed
2/07/96*				9.34◊	187.10	Sheen/Strong hydrocarbon odor	11,000	ND <50	17	9	9	25	NA	NA	NA	NA	Not Analyzed
9/06/96★				15.22◊	181.22	Sheen/Strong hydrocarbon odor	15,000	1,900	4,300	920	460	1,600	ND <200[B]	NA	NA	NA	Not Analyzed
6/19/97★				13.33◊	183.11	Not Available	26,000	2,900	5,300	1,500	910	3,200	ND <200[B]	NA	NA	NA	Not Analyzed
1/24/02★				9.72◊	186.72	Sheen/Strong hydrocarbon odor	34,000	5,300	3,100	1,100	1,100	2,900	ND <200[B]	NA	NA	NA	Not Analyzed
7/15/03★				12.42◊	184.02	Gray/Strong hydrocarbon odor	18,000	6,600	2,300	310	690	1,600	ND <1000[B]	NA	NA	NA	Not Analyzed
10/10/03 ★				13.79◊	182.65	Gray/Strong hydrocarbon odor	19,000	1,800	2,700	460	850	1,800	ND <500[B]	NA	NA	NA	Not Analyzed
4/06/04★				10.55◊	185.89	Gray/Moderate hydrocarbon odor	6,900	1,300	1,100	100	380	780	ND<200[B] 87[C]	NA	110	NA	None Detected

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
7/09/04★	MW-2 (196.44)	36	16-36	13.78◊	182.66	Dark gray/Strong hydrocarbon odor	17,000	4,400	2,800	240	710	1,300	ND<450[B] 120[C]	NA	98	NA	Not Analyzed
10/08/04★				14.78◊	181.66	Dark gray/Strong hydrocarbon odor	6,900	890	1,500	240	340	670	ND<150[B] 84[C]	NA	230	NA	Not Analyzed
4/02/07★				11.32◊	185.12	Gray/Strong petroleum odor	21,000	4,300	2,000	300	1,000	1,700	ND<450[B] 81[C]	NA	100	NA	None Detected
7/02/07★				13.18◊	183.26	Light gray/Strong petroleum odor	5,100	750	260	21	320	370	ND<180[B] 88[C]	NA	150	NA	None Detected
10/03/07★				16.71♦	179.73	Dark/Strong petroleum odor	8,600	1,500	1,700	140	520	790	ND<300[B] 77[C]	NA	ND <50	NA	None Detected
1/09/08★	(198.93) Resurvey			8.48◊	190.45	Dark/Strong petroleum odor	38,000	48,000	3,000	380	1,200	1,900	ND<400[B] 63[C]	NA	64	NA	None Detected
4/04/08★				12.60◊	186.33	No sheen/Strong hydrocarbon odor	5,100	NA	1,1000	72	120	330	ND<130[B] 76[C]	NA	100	NA	None Detected
12/16/13				18.72♦	180.21	No sheen Petroleum odor	3600	NA	160	20	120	129	20	ND <1.3	ND <25	ND <1.3	Carbon Disulfide 1.3 Isopropylbenzene 10 Propylbenzene 25 1,3,5-Trimethylbenznee 13 tert-Butylbenzene 1.3 sec-Butylbenzene 5.4 para-Isopropyl Toluene 3.4 n-Butylbenzene 22 Naphthalene 23 1,2,4-Trimethylbenzene 53
4/17/14				10.30◊	188.63	No sheen Gasoline odor	4800	NA	500	16	270	97	26	ND <2.5	ND <50	ND <2.5	Isopropylbenzene 17 Propylbenzene 44 1,3,5-Trimethylbenzene 4.8 1,2,4-Trimethylbenzene 100 sec-Butylbenzene 5.4 para-Isopropyl Toluene 3.7 Naphthalene 32

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
11/04/14	MW-2 (198.93)	36	16-36	18.65♦	180.28	No sheen Petroleum odor	2100	NA	150	27	120	84	25	ND <1.0	ND <20	ND <1.0	Isopropylbenzene 7.5 Propylbenzene 18 1,3,5-Trimethylbenzene 6.2 tert-Butylbenzene 1.0 1,2,4-Trimethylbenzene 33 sec-Butylbenzene 3.5 para-Isopropyl Toluene 1.5 n-Butylbenzene 2.8 Naphthalene 28
5/29/15				15.57◊	183.36	No sheen	38000	NA	1300	150	530	316	24	ND <1.0	87	ND <1.0	Isopropylbenzene 34 Propylbenzene 86 1,3,5-Trimethylbenzene 26 tert-Butylbenzene 2.7 1,2,4-Trimethylbenzene 190 sec-Butylbenzene 11 para-Isopropyl Toluene 6.5 n-Butylbenzene 18 Naphthalene 71
11/22/94 *	MW-3 (198.93)	36.5	15.5-36	11.53◊	187.40	Slightly turbid No odor	200	ND <50	ND <0.5	ND <0.5	ND <0.5	2	NA	NA	NA	NA	Not Analyzed
2/23/95*				11.89◊	187.04	No sheen or odor	1,500	ND <50	6.6	6.4	4.2	13	NA	NA	NA	NA	Not Analyzed
5/24/95*				12.71◊	186.22	No sheen or odor	710	ND <50	2.5	3.2	3.1	16	NA	NA	NA	NA	Not Analyzed
8/18/95*				16.14♦	182.79	No sheen or odor	310	ND <50	3.1	2.1	2.2	11	NA	NA	NA	NA	Not Analyzed
2/07/96*				6.22◊	192.71	Sheen/No odor	400	ND <50	1.4	2.5	2.2	7	NA	NA	NA	NA	Not Analyzed
9/06/96★				13.51◊	185.42	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <5	NA	NA	NA	Not Analyzed
6/19/97★				12.46◊	186.47	Not Available	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <5	NA	NA	NA	Not Analyzed
1/24/02★				10.08◊	188.85	Not Available	58	ND <50	4	2.7	2.3	6.7	ND <5	NA	NA	NA	Not Analyzed

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
7/15/03★	MW-3 (198.93)	36.5	15.5-36	12.45◊	186.48	Gray Slight odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <5	NA	NA	NA	Not Analyzed
10/10/03★				14.00◊	184.93	Gray/Slight hydrocarbon odor	350	75	14	16	23	60	ND <5	NA	NA	NA	Not Analyzed
4/06/04★				10.78◊	188.15	Light brown No odor	ND <50	ND <50	ND <0.5	1.7	ND <0.5	1.7	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
7/09/04★				14.14◊	184.79	Dark gray No odor	260	ND <50	12	13	14	36	ND <5[B]	NA	NA	NA	Not Analyzed
10/08/04★				14.99◊	183.94	Brown No odor	450	76	21	22	30	86	ND <5[B]	NA	NA	NA	Not Analyzed
4/02/07★				11.87◊	187.06	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
7/02/07★				14.45◊	184.48	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
10/03/07★				17.10♦	181.83	Brown No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <5	NA	None Detected
1/09/08★	(201.46) Resurvey			9.42◊	192.04	Brown No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <2	NA	None Detected
4/04/08★				15.16◊	186	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND<5[B] ND<0.5[C]	NA	ND <2	NA	None Detected
12/16/13				19.20♦	182.26	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.6	ND <10	0.9	cis-1,2-DCA 1.0
4/17/14				12.56◊	188.90	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	0.8	ND <10	ND <0.5	None Detected<0.5
11/04/14				19.17♦	182.27	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	0.5	ND <0.5	2.0	ND <10	0.9	cis-1,2-Dichloroethene 0.6 1,2,4-Trimethylbenzene 0.7
5/29/15				16.33♦	185.13	No sheen or odor	ND <50	NA	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	0.6	ND <10	ND <0.5	None Detected<0.5

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
10/03/07 ★	MW-4 (200.23)	22	17-22	17.21♦	183.02	No sheen/Slight petroleum odor	11,000	2,000	1,100	87	ND <17	1,300	ND<1500[B] 230[C]	NA	ND <25	NA	1,2-Dichloroethane 6.4
1/09/08★				9.20◊	191.03	No sheen/Slight petroleum odor	17,000	2,600	1,300	120	580	790	ND<900[B] 220[C]	NA	79	NA	None Detected
4/04/08★				13.63◊	186.60	No sheen Petroleum odor	43,000	NA	1,600	200	500	1,300	ND<1500[B] 190[C]	NA	ND <20	NA	None Detected
12/16/13				20.44♦	179.79	No sheen Petroleum odor	4200	NA	370	26	130	100	43	ND <3.1	ND <63	ND <3.1	Isopropylbenzene 7.2 Propylbenzene 8.0 1,3,5-Trimethylbenzene 14 1,2,4-Trimethylbenzene 8.4 Naphthalene 100
4/17/14				10.97◊	189.26	No sheen Gasoline odor	7300	NA	550	55	540	305	45	ND <2.5	ND <100	ND <2.5	Isopropylbenzene 28 Propylbenzene 41 1,3,5-Trimethylbenzene 45 1,2,4-Trimethylbenzene 49 Naphthalene 310
11/04/14				20.78♦	179.45	No sheen Petroleum odor	4800	NA	220	21	190	66	33	ND <2.0	97	ND <2.0	Isopropylbenzene 17 Propylbenzene 24 1,3,5-Trimethylbenzene 6.2 tert-Butylbenzene 1.0 1,2,4-Trimethylbenzene 33 sec-Butylbenzene 3.5 para-Isopropyl Toluene 1.5 n-Butylbenzene 2.8 Naphthalene 28
5/29/15				16.53◊	183.70	No sheen Petroleum odor	12000	NA	600	78	740	337	49	ND <2.0	ND <40	ND <2.0	Isopropylbenzene 34 Propylbenzene 50 1,3,5-Trimethylbenzene 29 1,2,4-Trimethylbenzene 33 sec-Butylbenzene 3.5 para-Isopropyl Toluene 3.7 n-Butylbenzene 5.8 1,2-Dichlorobenzene 2.6 Naphthalene 350

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TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
10/03/07 ★	MW-5 (198.52)	22	17-22	17.44♦	181.08	No sheen/Strong petroleum odor	8,800	680	2,800	74	100	190	ND<250[B] 150[C]	NA	1,300	NA	1,2-Dichloroethane 66 Di-Isopropyl Ether.9
1/09/08★				10.01◊	188.51	No sheen/Strong hydrocarbon odor	7,400	580	2,000	5.6	93	29	ND<350[B] 140[C]	NA	1,000	NA	1,2-Dichloroethane 54 Di-Isopropyl Ether 5.6
4/04/08★				11.78◊	186.74	No sheen/Hydro-carbon odor	43,000	NA	12,000	2,800	670	2,500	ND<500[B] 97[C]	NA	1,200	NA	1,2-Dichloroethane 84
12/16/13				18.65♦	179.87	No sheen Petroleum odor	1300	NA	240	ND <2.5	5.7	ND <2.5	86	ND <2.5	460	ND <2.5	1,2-Dichloroethane 2.5
4/17/14				16.32◊	182.20	No sheen Gasoline odor	2100	NA	400	ND <2.5	30	ND <2.5	91	ND <2.5	440	ND <2.5	1,2-Dichloroethane 2.8 Isopropylbenzene 4.5 Propylbenzene 6.8
11/04/14				19.53♦	178.99	No sheen Petroleum odor	470[D]	NA	1.1	ND <0.5	0.9	ND <0.5	59	ND <0.5	320	ND <0.5	1,2-Dichloroethane 2.1 tert-Butylbenzene 1.2 sec-Butylbenzene 1.2
5/29/15				16.37◊	183.15	No sheen Petroleum odor	2200	NA	480	ND <3.1	48	ND <3.1	39	ND <3.1	390	ND <3.1	Isopropylbenzene 12 Propylbenzene 9.3
10/03/07 ★	MW-6 (200.20)	22	17-22	18.46♦	181.74	No sheen Petroleum odor	11,000	1,00	1,400	64	74	320	ND<1200[B] 210[C]	NA	ND <50	NA	1,2-Dichloroethane 6.6
1/09/08★				11.93◊	188.27	No sheen/Strong petroleum odor	8,400	1,300	790	17	210	51	ND<400[B] 160[C]	NA	87	NA	None Detected
4/04/08★				15.69◊	184.51	No sheen/Strong petroleum odor	6,100	NA	630	52	430	130	ND<500[B] 200[C]	NA	ND <10	NA	1,2-Dichloroethane 2.7
12/16/13				19.60♦	180.60	No sheen Petroleum odor	1400[D]	NA	100	1.9	9.0	5.0	170	ND <1.0	110	ND <1.0	Isopropylbenzene 7.13 Propylbenzene 13 1,3,5-Trimethylbenzene 74 sec-Butylbenzene 2.1 para-Isopropyl Toluene 1.1 Naphthalene 14
4/17/14				17.38♦	182.82	No sheen Gasoline odor	740[D]	NA	49	1.1	22	0.9	97	ND <0.5	59	ND <0.5	Isopropylbenzene 8.1 Propylbenzene 11 sec-Butylbenzene 2.0 n-Butylbenzene 1.5

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June 15, 2015

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
11/04/14	MW-6 (200.20)	22	17-22	18.73♦	181.47	No sheen Petroleum odor	1300	NA	52	1.0	3.2	1.4	140	ND <0.5	110	0.5	1,2-Dichloroethane 0.5 Isopropylbenzene 9.1 Propylbenzene 1.1 1,2,4-Trimethylbenzene 1.1 sec-Butylbenzene 3.5 para-Isopropyl Toluene 1.2 Naphthalene 36
5/29/15				15.26◊	184.94	No sheen Petroleum odor	2600	NA	310	13	25	42.7	140	ND <3.1	390	ND <3.1	Isopropylbenzene 18 Propylbenzene 31 1,3,5-Trimethylbenzene 3.5 1,2,4-Trimethylbenzene 8.5 sec-Butylbenzene 2.9 Naphthalene 3.4
12/16/13	MW-7	22	17-22	19.49♦	NA	No sheen Strong petroleum odor	21000	NA	7200	ND <50	280	164	ND <50	ND <50	2100	ND <50	None Detected<50
4/17/14				10.54◊	NA	No sheen Strong gasoline odor	11000	NA	3900	22	290	157	23	ND <5.0	1400	ND <5.0	Isopropylbenzene 24 Propylbenzene 38 1,3,5-Trimethylbenzene 19 1,2,4-Trimethylbenzene 78
11/04/14				20.32♦	NA	No sheen Strong petroleum odor	8400	NA	4100	ND <25	260	ND <25	ND <25	ND <25	1400	ND <25	Isopropylbenzene 35 Propylbenzene 49
5/29/15				15.71◊	NA	No sheen Strong petroleum odor	6800	NA	2700	ND <20	240	24	ND <20	ND <20	860	ND <20	Isopropylbenzene 26 Propylbenzene 39 1,2,4-Trimethylbenzene 39

TPHg - Total Petroleum Hydrocarbons as gasoline
TPHd - Total Petroleum Hydrocarbons as diesel
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
MTBE - Methyl Tertiary Butyl Ether
TBA - tert-Butanol
TAME - tert-Amyl Methyl Ether
PCE - Tetrachloroethylene
TCE – Trichloroethylene
GW Elev. - Groundwater Elevation
Perf. – Perforation
NA - Not Analyzed
N/A - Not Available

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

***** Samples were analyzed by Priority Environmental Labs for TPHg & TPHd by 8015M and BTEX by 8020/8021
★ Samples were analyzed by McCampbell Analytical Inc. for TPHg & TPHd by 8015M and BTEX by 8020/8021
A Date of well was monitored
B MTBE was analyzed by EPA Method 8020/8021
C MTBE and other fuel additives were analyzed by EPA Method 8260
D Sample exhibits chromatographic pattern which does no resemble standard
♦ Well screens are not submerged ◊ Well screens are submerged
ND - Not Detected (Below Laboratory Detection Limit)

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TABLE 2
RECENT GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
5/29/15	MW-1 (197.28)	25	12-25	16.07♦	181.51	No sheen or odor	ND <50	ND <0.5	ND <0.5	1.1	ND <0.5	ND <0.5	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/29/15	MW-2 (198.93)	36	16-36	15.57◊	183.36	No sheen Petroleum odor	38000	1300	150	530	316	24	ND <1.0	87	ND <1.0	Isopropylbenzene 34 Propylbenzene 86 1,3,5-Trimethylbenzene 26 tert-Butylbenzene 2.7 1,2,4-Trimethylbenzene 190 sec-Butylbezene 11 para-Isopropyl Toluene 6.5 n-Butylbenzene 18 Naphthalene 71
5/29/15	MW-3 (201.46)	36.5	15.5-36	16.33♦	185.13	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	0.6	ND <10	ND <0.5	None Detected<0.5
5/29/15	MW-4 (200.23)	22	17-22	16.53◊	183.70	No sheen Petroleum odor	12000	600	78	740	337	49	ND <2.0	ND <40	ND <2.0	Isopropylbenzene 34 Propylbenzene 50 1,3,5-Trimethylbenzene 29 1,2,4-Trimethylbenzene 33 sec-Butylbenzene 3.5 para-Isopropyl Toluene 3.7 n-Butylbenzene 5.8 1,2-Dichlorobenzene 2.6 Naphthalene 350
5/29/15	MW-5 (198.52)	22	17-22	16.37◊	182.15	No sheen Slight petroleum odor	2200	480	ND <3.1	48	ND <3.1	39	ND <3.1	390	ND <3.1	Isopropylbenzene 12 Propylbenzene 9.3
5/29/15	MW-6 (200.20)	22	17-22	15.26◊	184.94	No sheen Petroleum odor	2600	310	13	25	42.7	140	ND <1.7	94	ND <1.7	Isopropylbenzene 18 Propylbenzene 31 1,3,5-Trimethylbenzene 3.5 1,2,4-Trimethylbenzene 8.5 sec-Butylbenzene 2.9 Naphthalene 3.4

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June 15, 2015

TABLE 2 CONT'D
RECENT GROUNDWATER MONITORING DATA (feet)
AND ANALYTICAL RESULTS (µg/L)

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs
5/29/15	MW-7	22	17-22	15.71◊	NA	No sheen Strong petroleum odor	6800	2700	ND <20	240	24	ND <20	ND <20	860	ND <20	Isopropylbenzene 26 Propylbenzene 39 1,2,4-Trimethylbenzene 39

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
TBA - tert-Butanol
PCE - Tetrachloroethene
GW Elev. - Groundwater Elevation
♦ Well screens are not submerged
NA - Not Analyzed
[D] Sample exhibits chromatographic pattern which does not resemble standard

TPHd - Total Petroleum Hydrocarbons as diesel
MTBE - Methyl Tertiary Butyl Ether
cis-1,2-DCE - cis-1,2-Dichloroethene
TCE - Trichloroethene
Perf. - Perforation
◊ Well screens are submerged
ND - Not Detected (Below Laboratory Detection Limit)

TABLE 3
SUMMARY OF MONITORING WELL DATA
IN FEET

Well No.	Well Diameter (inch)	Depth of Well	Depth of Perforation	Depth of Blank	Depth of Cement	Depth of Bentonite	Depth of Sand
MW-1	2	25	12-25	0-12	0.5-10	110-11	11-25
MW-2	2	36	16-36	0-16	0.5-14	14-15	15-36
MW-3	2	36.5	15.5-36	0-15.5	0.5-13.5	13.5-14.5	14-36.5
MW-4	2	22	17-22	0-17	0.5-15	15-16	16-22
MW-5	4	22	17-22	0-17	0.5-15	15-16	16-22
MW-6	2	22	17-22	0-17	0.5-15	15-16	16-22
MW-7	2	22	17-22	0-17	1-15	15-16	16-22

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A P P E N D I X "B"

FIGURES

ENVIRO SOIL TECH CONSULTANTS

File No. 3-13-855-SC

3635 13TH AVENUE, OAKLAND, CA

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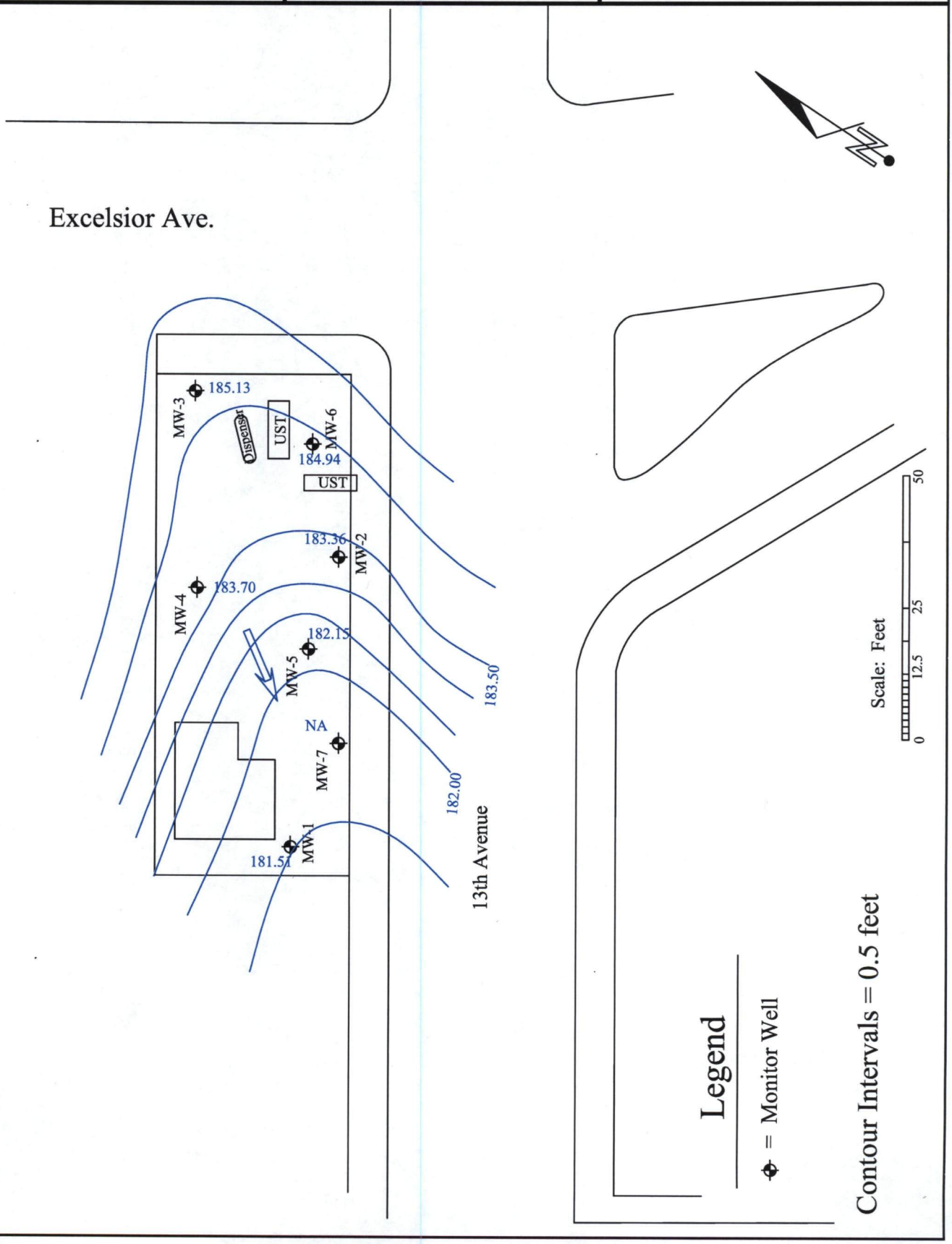
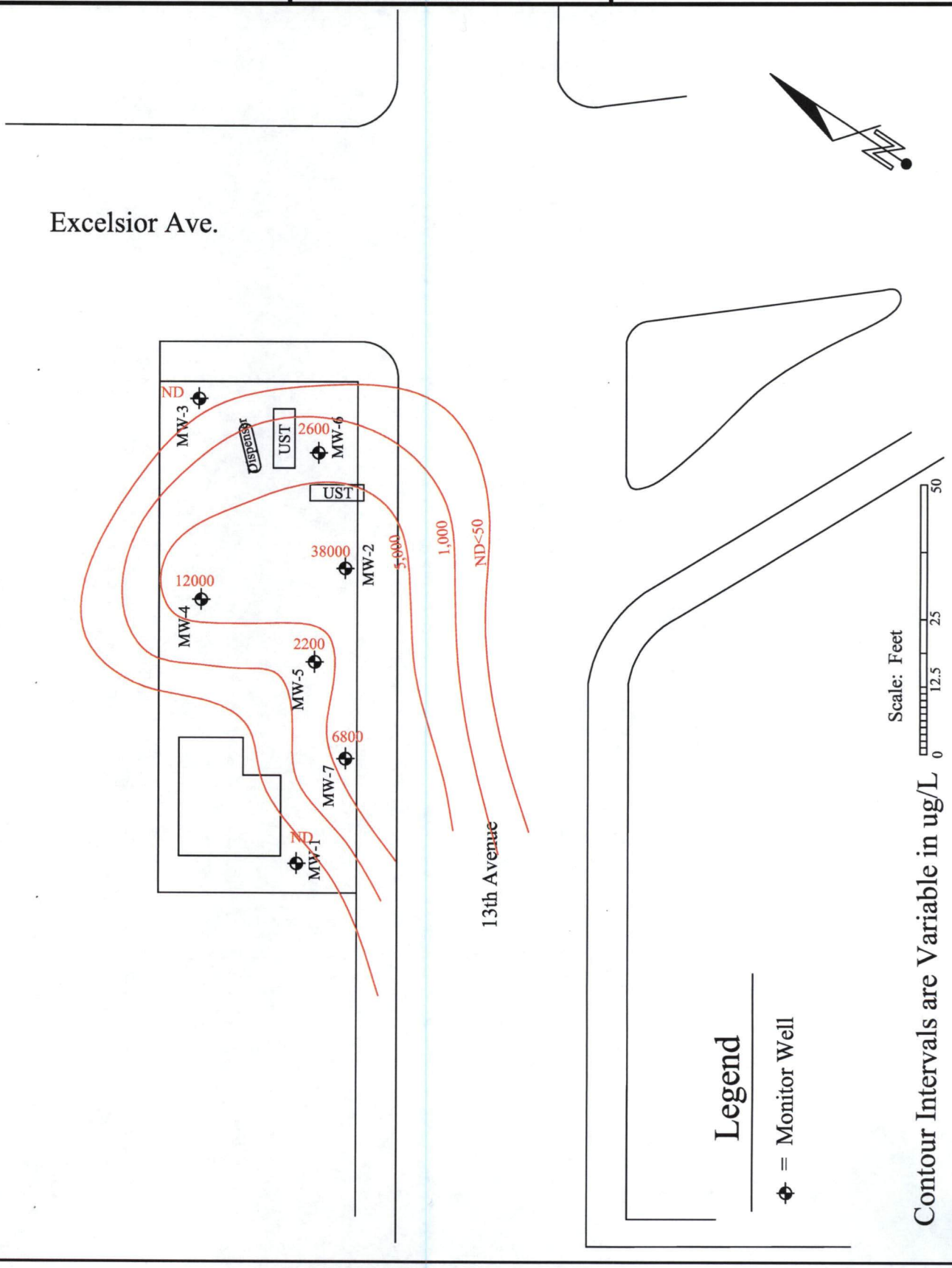
Figure 1

F1

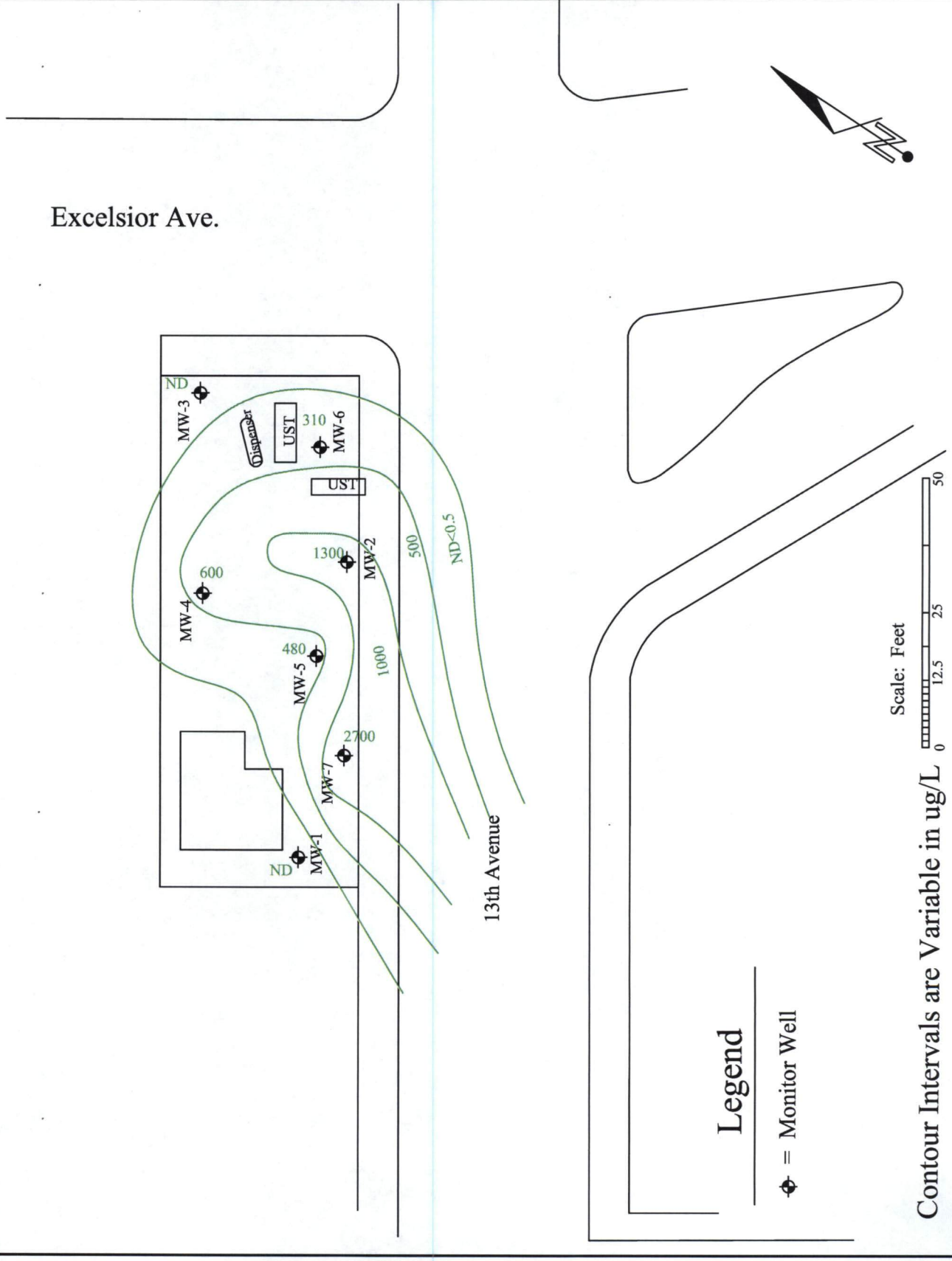
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 6/12/2015	Figure 2 Groundwater Gradient May 29, 2015



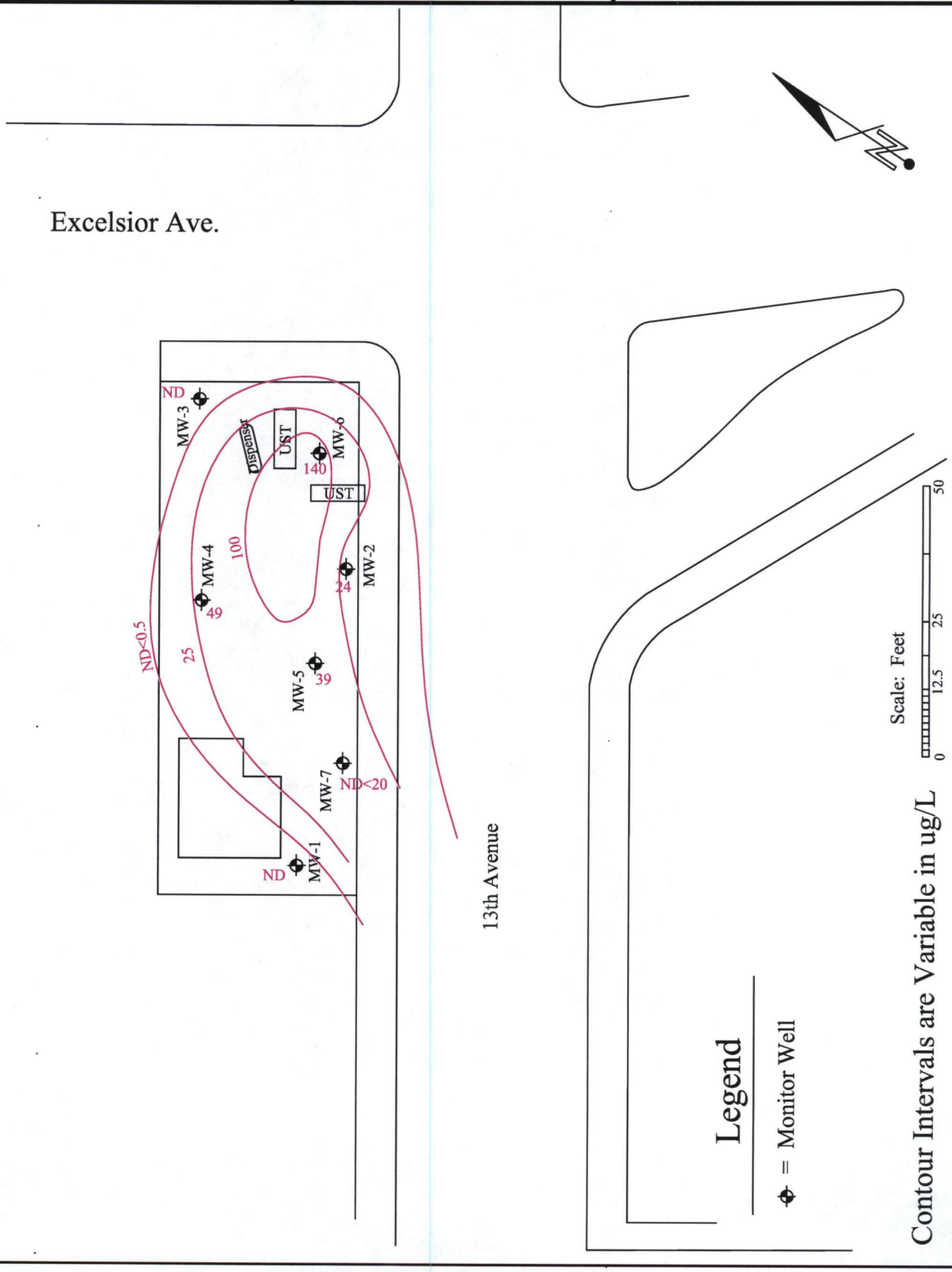
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 6/12/2015	Figure 3 Isocontours of TPH-g in Groundwater 5/29/2015



Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 6/12/2015	Figure 4 Isocontours of Benzene in Groundwater 5/29/2015



Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 6/12/2015	Figure 5 Isoncontours of MTBE in Groundwater 5/29/2015



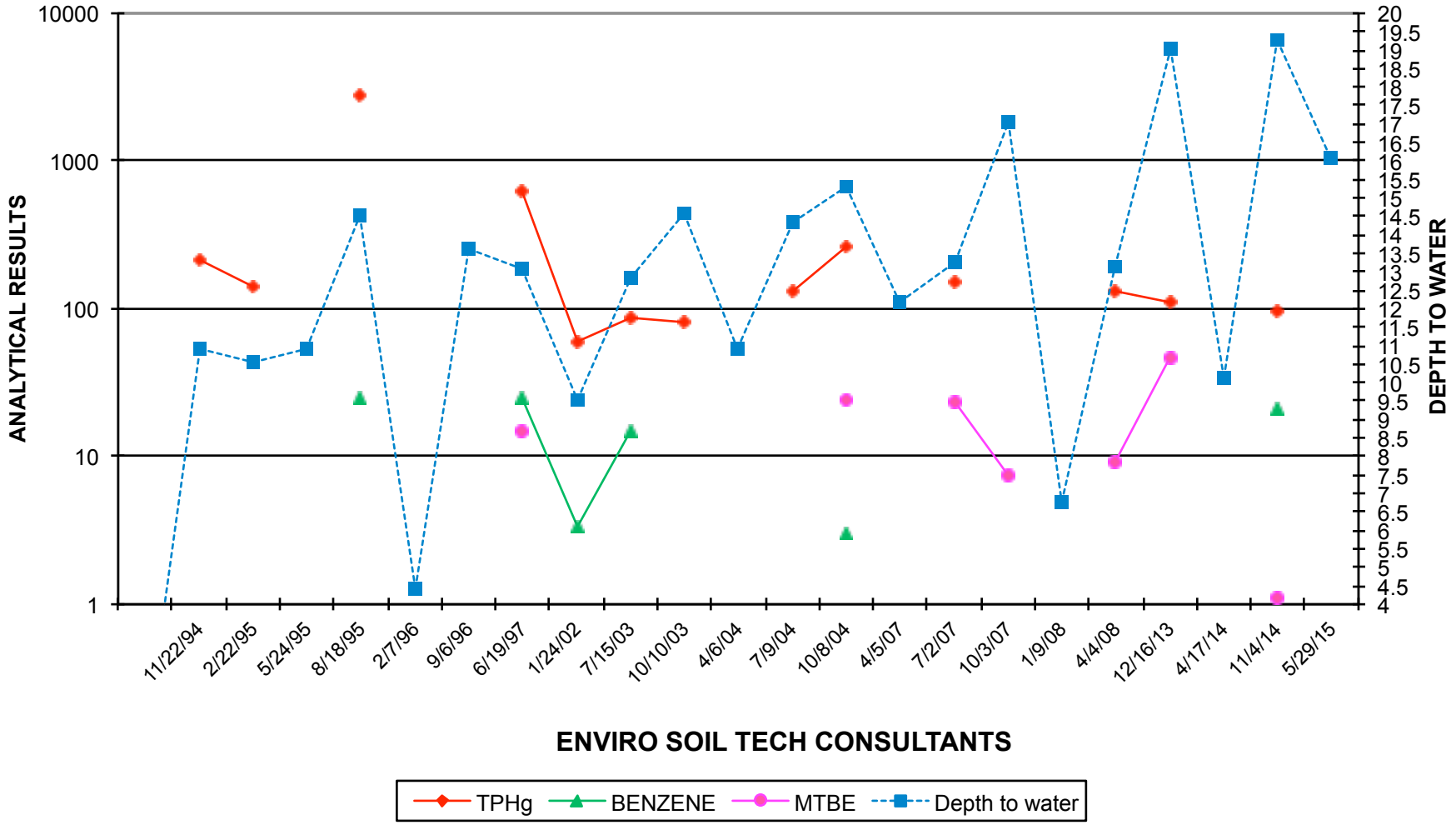
File No. 3-13-855-SC
June 15, 2015

A P P E N D I X "C"

HYDROGRAPHS

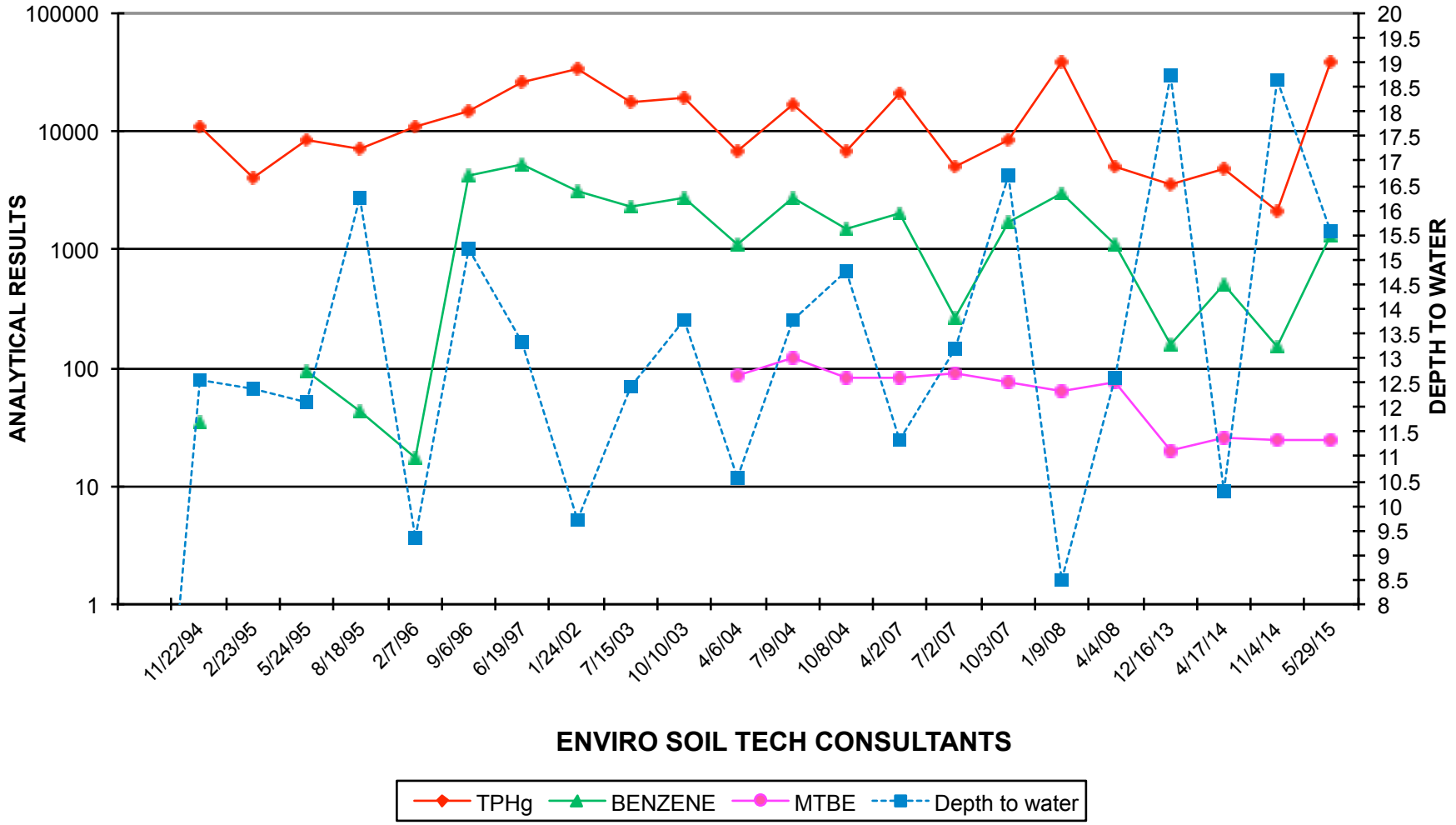
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-1 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



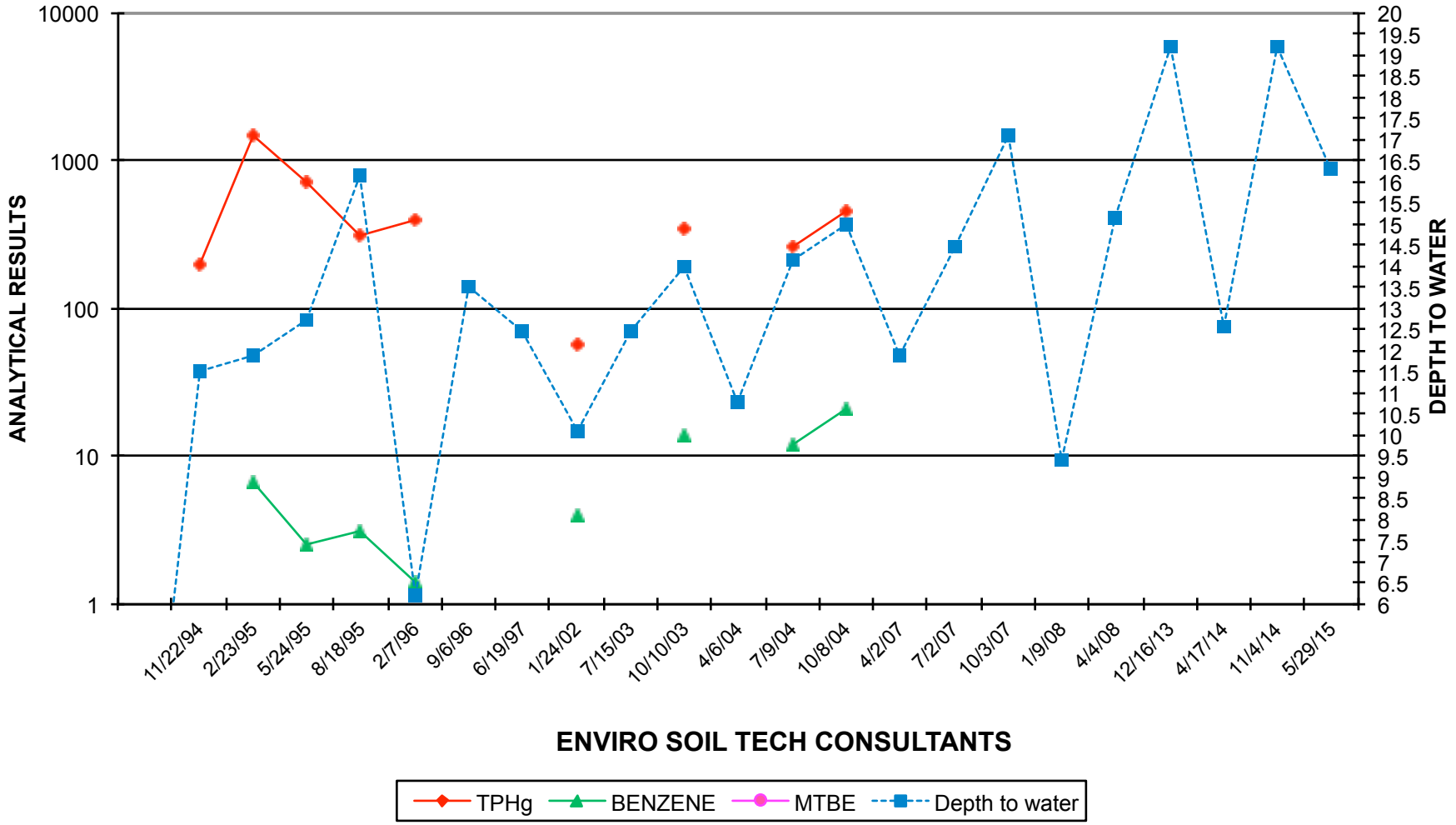
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-2 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



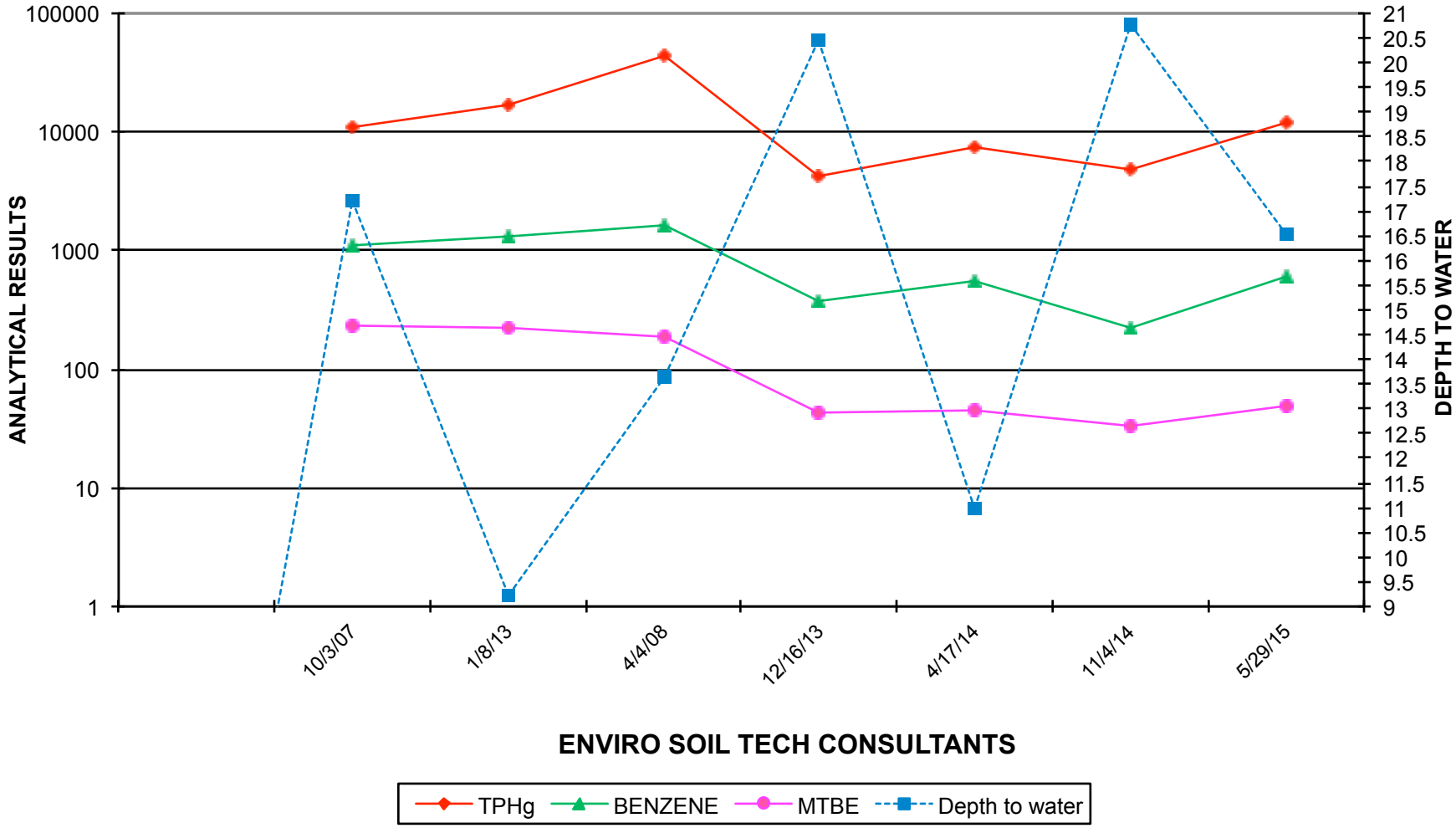
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-3 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



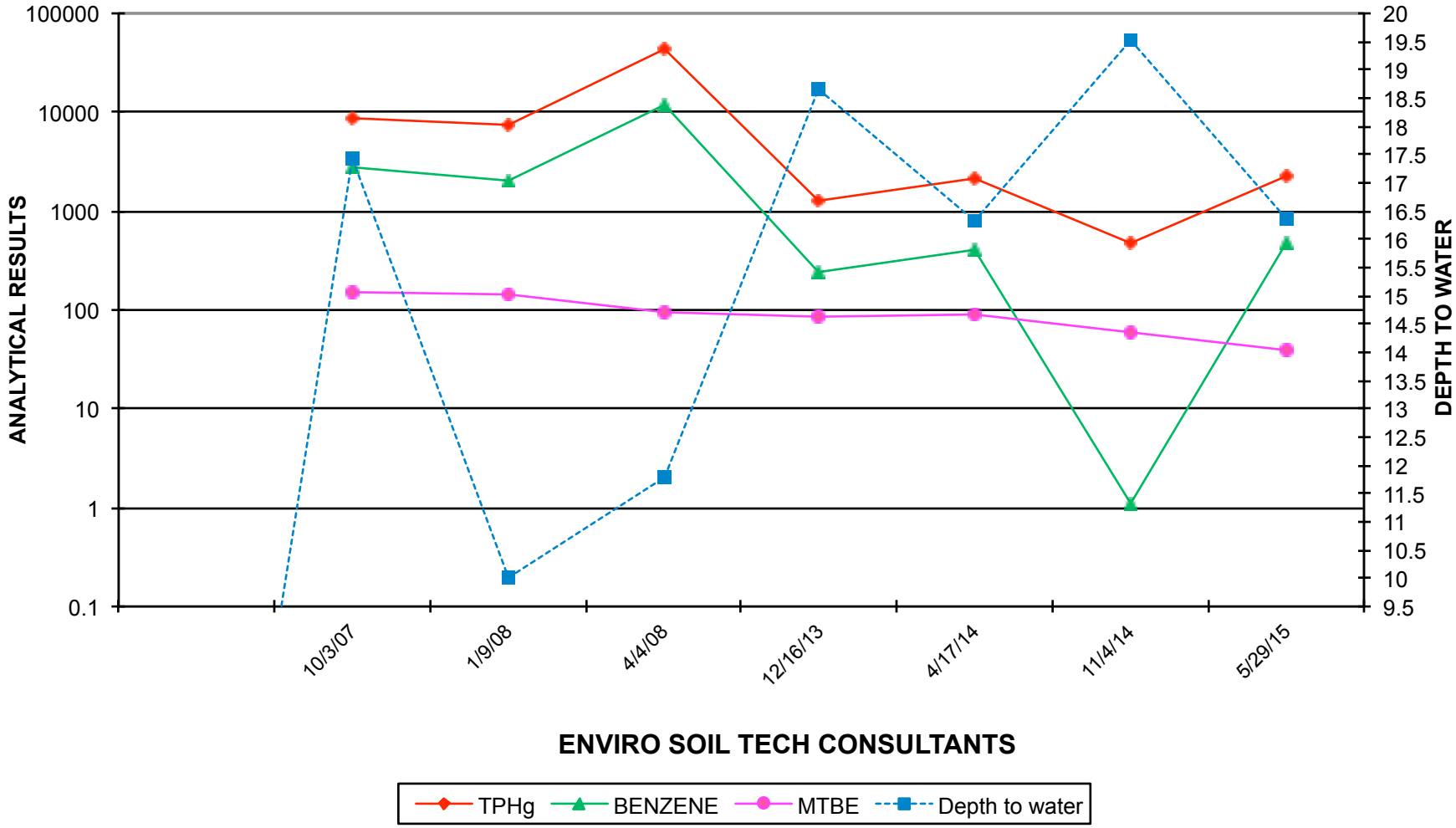
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-4 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



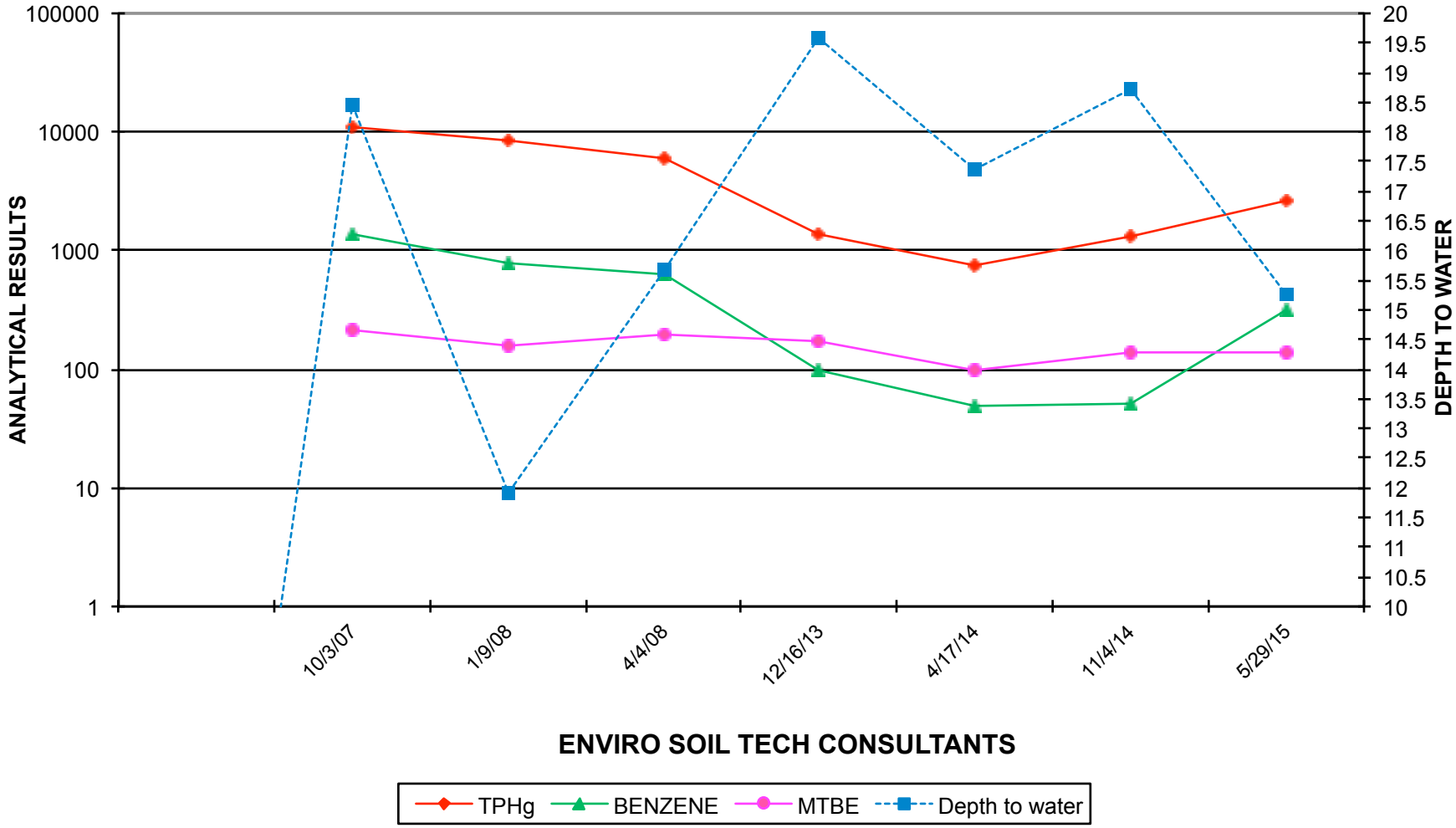
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-5 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



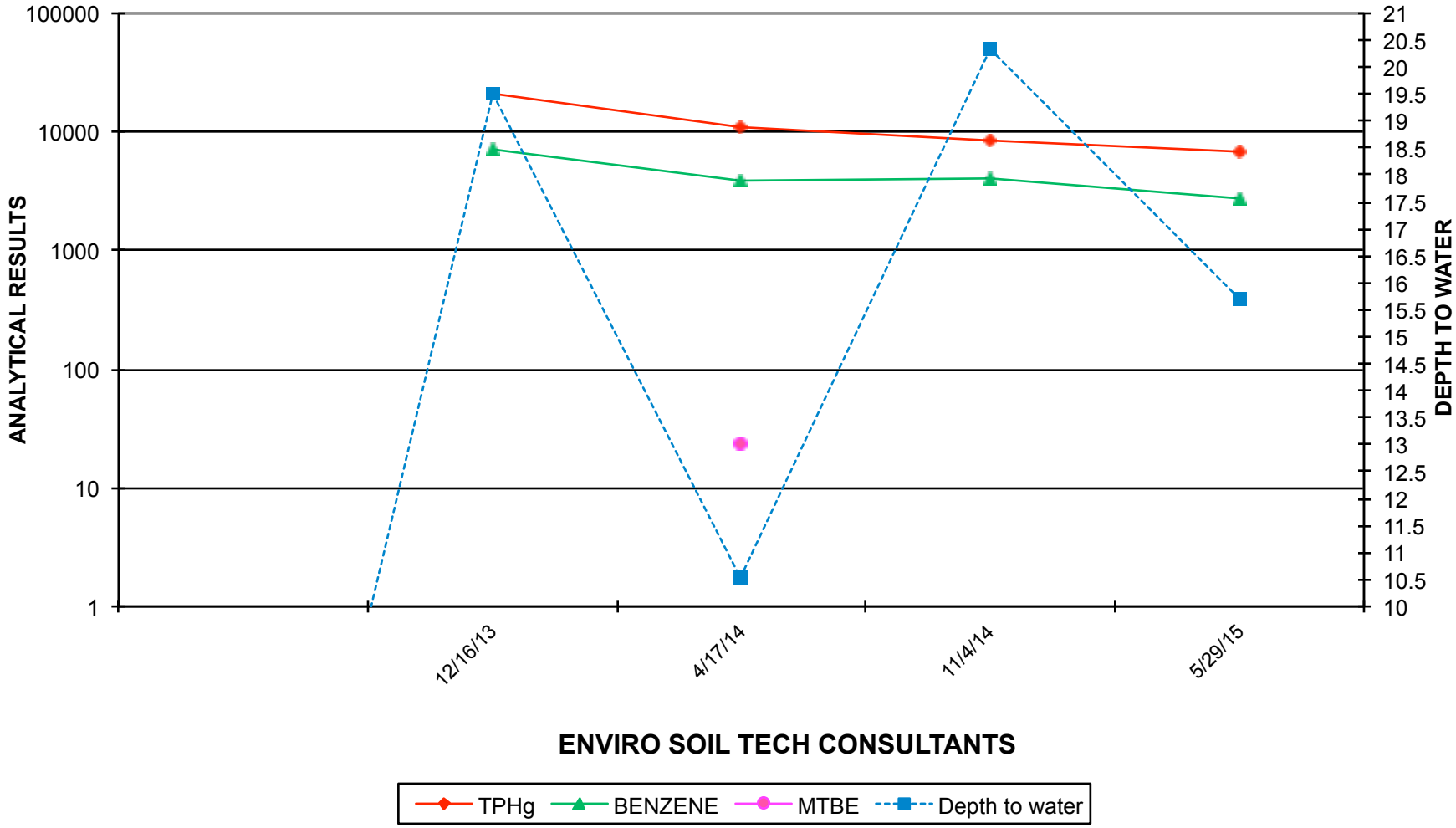
ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-6 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



ENVIRO SOIL TECH CONSULTANTS

FILE NO.: 3-13-855-SC
TPHg, BENZENE & MTBE RESULTS FOR MW-7 (µg/L)
DEPTH TO WATER MEASUREMENT (feet)



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File No. 3-13-855-SC
June 15, 2015

A P P E N D I X "D"

STANDARD OPERATION PROCEDURE

ENVIRO SOIL TECH CONSULTANTS

File No. 3-13-855-SC
June 15, 2015

GROUNDWATER SAMPLING

All of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc.) was cleaned by pumping TSP water solution followed by distilled water prior to collection of groundwater samples

Prior to purging, the well "Water Sampling Field Survey Forms" were filled out (depth to water and total depth of water column were measured and recorded). The well was then bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. "Stabilized" is defined as three consecutive readings within 15% of one another.

The groundwater sample was collected when the water level in the well recovered to 80% of its static level.

Forty milliliter (ml.), glass volatile organic analysis (VOA) vials with Teflon septa were used as sample containers. The groundwater sample was decanted into each VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed over the top of the vial and securely tightened. The VOA vials were then inverted and tapped to see if air bubbles were present. If none were present, the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information would include a sample identification number, job identification number, date, time, type of analysis requested and the sampler's name.

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June 15, 2015

A P P E N D I X "E"

FIELD NOTES

ENVIRO SOIL TECH CONSULTANTS

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Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Email: info@envirosoiltech.com

FILE NO.: 3-13-855-SC
DATE: 5-29-15
DEPTH TO WELL: 25'
DEPTH TO WATER: 16' 0" 8/10
HEIGHT OF WATER COLUMN: _____

WELL NO.: MW-1
SAMPLER: Frank
1 WELL VOLUME: 1.46
5 WELL VOLUME: 7.3
ACTUAL PURGED VOLUME: 8

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 8.93 = 1.46 x 5 = 7.3
4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER
SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____
ODOR: ✓ NO _____ YES, DESCRIBE: _____

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	2	6.81	20.04	2203
	4	6.78	20.01	2187
	6	6.79	20.06	2192
	8	6.80	20.05	2201

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FILE NO.: 3-13-855-SC **WELL NO.:** MW-2

DATE: 5-29-15 **SAMPLER:** Frank

DEPTH TO WELL: 36' **1 WELL VOLUME:** 3.3

DEPTH TO WATER: 15'5" 8/10 **5 WELL VOLUME:** 16.5

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 17

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 20.43 = 3.3 x 5 = 16.5

4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____

ODOR: _____ NO ✓ YES, DESCRIBE: PETRO

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	3	6.92	20.09	1521
	7	6.88	20.12	1535
	11	6.87	20.15	1531
	15	6.84	20.08	1512
	17	6.81	20.06	1525

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Tel: (408) 297-1500 Email: info@envirosoiltech.com

FILE NO.: 3-13-855-SC **WELL NO.:** MW-3

DATE: 5-29-15 **SAMPLER:** Frank

DEPTH TO WELL: 36½' **1 WELL VOLUME:** 3.3

DEPTH TO WATER: 16' 3" 3/10 **5 WELL VOLUME:** 16.5

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 17

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 20.17 = 3.3 x 5 = 16.5

4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____

ODOR: ✓ NO _____ YES, DESCRIBE: _____

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	3	6.92	19.94	1461
	7	6.89	19.97	1469
	11	6.86	19.92	1465
	15	6.88	19.90	1458
	17	6.91	19.95	1464

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Tel: (408) 297-1500 Email: info@envirosoiltech.com

FILE NO.: 3-13-855-SC **WELL NO.:** MW-4

DATE: 5-29-15 **SAMPLER:** Frank

DEPTH TO WELL: 22' **1 WELL VOLUME:** 0.89

DEPTH TO WATER: 16'5" 3/10 **5 WELL VOLUME:** 4.45

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 5

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 5.47 = 0.89 x 5 = 4.45

4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____

ODOR: _____ NO ✓ YES, DESCRIBE: Petrol

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	1	7.1	19.89	2766
	3	7.05	19.86	2769
	5	7.02	19.88	2764

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FILE NO.: 3-13-855-SC **WELL NO.:** MW-5

DATE: 5-29-15 **SAMPLER:** Frank

DEPTH TO WELL: 22' **1 WELL VOLUME:** 3.68

DEPTH TO WATER: 16' 3" 8/10 **5 WELL VOLUME:** 18.4

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 20

CASING DIAMETER: _____ 2" ✓ 4"

CALCULATIONS:

2" - x 0.1632 _____

4" - 0.653 x 5.63 = 3.68 x 5 = 18.4

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____

ODOR: _____ NO ✓ YES, DESCRIBE: slight PETROL

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	4	6.78	20.23	3187
	8	6.73	20.21	3175
	12	6.72	20.18	3181
	16	6.76	20.22	3189
	20	6.79	20.25	3182

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Tel: (408) 297-1500 Email: info@envirosoiltech.com

FILE NO.: 3-13-855-SC
WELL NO.: MW-6
DATE: 5-29-15
SAMPLER: Frank
DEPTH TO WELL: 22'
1 WELL VOLUME: 1.1
DEPTH TO WATER: 15' 2" 7/10
5 WELL VOLUME: 5.5
HEIGHT OF WATER COLUMN:
ACTUAL PURGED VOLUME: 6

CASING DIAMETER: ✓ 2" 4"

CALCULATIONS:

2" - x 0.1632 x 6.74 = 1.1 x 5 = 5.5
4" - 0.653

PURGE METHOD: BAILER ✓ DISPLACEMENT PUMP OTHER
SAMPLE METHOD: ✓ BAILER OTHER

SHEEN: ✓ NO YES, DESCRIBE:
ODOR: NO ✓ YES, DESCRIBE: Petrol

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	2	6.86	20.19	2645
	4	6.89	20.15	2631
	6	6.85	20.20	2642

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FILE NO.: 3-13-855-SC
WELL NO.: MW-7
DATE: 5-29-15
SAMPLER: Brent
DEPTH TO WELL: 22'
1 WELL VOLUME: 1.03
DEPTH TO WATER: 15' 7" 1/10
5 WELL VOLUME: 5.15
HEIGHT OF WATER COLUMN:
ACTUAL PURGED VOLUME: 6

CASING DIAMETER: ✓ 2" 4"

CALCULATIONS:

2" - x 0.1632 x 6.29 = 1.03 x 5 = 5.15
4" - 0.653

PURGE METHOD: BAILER ✓ DISPLACEMENT PUMP OTHER
SAMPLE METHOD: ✓ BAILER OTHER

SHEEN: ✓ NO YES, DESCRIBE:
ODOR: NO ✓ YES, DESCRIBE: strong petrol

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	2	6.90	19.93	1395
	4	6.87	19.96	1401
	6	6.85	19.98	1392

File No. 3-13-855-SC
June 15, 2015

A P P E N D I X "F"

LABORATORY REPORT

ENVIRO SOIL TECH CONSULTANTS


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 267140
ANALYTICAL REPORT

Enviro Soil Tech Consultants	Project : 3-13-855-SC
131 Tully Road	Location : 3635 13TH Ave., Oakland, CA
San Jose, CA 95111	Level : II

Sample ID	Lab ID
MW-1	267140-001
MW-2	267140-002
MW-3	267140-003
MW-4	267140-004
MW-5	267140-005
MW-6	267140-006
MW-7	267140-007

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: Mikelle Chong Date: 06/09/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**267140**
Client:	**Enviro Soil Tech Consultants**
Project:	**3-13-855-SC**
Location:	**3635 13TH Ave., Oakland, CA**
Request Date:	**06/01/15**
Samples Received:	**06/01/15**

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/01/15. The samples were received on ice and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Low response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 06/04/15 10:00; this analyte met minimum response criteria, and affected data was qualified with "b". Low recoveries were observed for trichloroethene in the MS/MSD for batch 223809; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

CHAIN OF CUSTODY RECORD

2607140

PROJ. NO.	NAME
3-13-855-SC	3635 13th Ave., Oakland, CA

SAMPLERS: (*Signature*)

NO.	DATE	TIME	SOIL	WATER	AIR	SAMPLE ID	CON-TAINER	ANALYSES REQUESTED						REMARKS
							vials	TPHg (8015)	EPA 8260B*					
1	5-29			✓		MW-1	6	✓	✓					EDF #T0600100274
2	5-29			✓		MW-2	6	✓	✓					
3	5-29			✓		MW-3	6	✓	✓					
4	5-29			✓		MW-4	6	✓	✓					
5	5-29			✓		MW-5	6	✓	✓					*Full list
6	5-29			✓		MW-6	6	✓	✓					
7	5-29			✓		MW-7	6	✓	✓					

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)
	6/1 11:36	Pat Hamedy	6/1/15 11:36			
Relinquished by: (*Signature*)	Dated/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)
Relinquished by: (*Signature*)	Date/Time	Received for Laboratory by: (*Signature*)	Date/Time	**Remarks:** Please send lab report to Franks Hamedi.		

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 **Email: info@envirosoiltech.com**

of 4p

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 267140 Date Received 6/1/15 Number of coolers 0
Client Enviro Soil Tech Project 3-13-855-SC

Date Opened 6/1 By (print) FBJ (sign)
Date Logged in By (print) (sign)

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) 3.2°

☒ 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
2) 1/6 VOAs for -002 } rcvd w/ bubbles >6mm
" " " -003
3/6 " " -007 }

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 267140

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

Client : Enviro Soil Tech Consultants
Project : 3-13-855-SC
Location : 3635 13TH Ave., Oakland, CA

Client Sample ID : MW-1 Laboratory Sample ID : 267140-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Ethylbenzene	1.1		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : MW-2 Laboratory Sample ID : 267140-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	38,000		1,000	ug/L	As Recd	20.00	EPA 8015B	EPA 5030B
MTBE	24		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
Benzene	1,300		7.1	ug/L	As Recd	14.29	EPA 8260B	EPA 5030B
Toluene	150		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
Ethylbenzene	530		7.1	ug/L	As Recd	14.29	EPA 8260B	EPA 5030B
m,p-Xylenes	240		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
o-Xylene	76		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
Isopropylbenzene	34		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
Propylbenzene	86		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
1,3,5-Trimethylbenzene	26		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
tert-Butylbenzene	2.7		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
1,2,4-Trimethylbenzene	190		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
sec-Butylbenzene	11		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
para-Isopropyl Toluene	6.5		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
n-Butylbenzene	18		1.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
Naphthalene	71		4.0	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B
tert-Butyl Alcohol (TBA)	87		20	ug/L	As Recd	2.000	EPA 8260B	EPA 5030B

Client Sample ID : MW-3 Laboratory Sample ID : 267140-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Tetrachloroethene	0.6		0.5	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

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Client Sample ID : MW-4 Laboratory Sample ID : 267140-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	12,000		500	ug/L	As Recd	10.00	EPA 8015B	EPA 5030B
MTBE	49		5.0	ug/L	As Recd	10.00	EPA 8260B	EPA 5030B
Benzene	600		5.0	ug/L	As Recd	10.00	EPA 8260B	EPA 5030B
Toluene	78		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
Ethylbenzene	740		5.0	ug/L	As Recd	10.00	EPA 8260B	EPA 5030B
m,p-Xylenes	290		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
o-Xylene	47		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
Isopropylbenzene	34		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
Propylbenzene	50		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
1,3,5-Trimethylbenzene	29		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
1,2,4-Trimethylbenzene	33		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
sec-Butylbenzene	3.5		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
para-Isopropyl Toluene	3.7		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
n-Butylbenzene	5.8		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
1,2-Dichlorobenzene	2.6		2.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B
Naphthalene	350		8.0	ug/L	As Recd	4.000	EPA 8260B	EPA 5030B

Client Sample ID : MW-5 Laboratory Sample ID : 267140-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	2,200		50	ug/L	As Recd	1.000	EPA 8015B	EPA 5030B
MTBE	39		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Benzene	480		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Ethylbenzene	48		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Isopropylbenzene	12		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
Propylbenzene	9.3		3.1	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B
tert-Butyl Alcohol (TBA)	390		63	ug/L	As Recd	6.250	EPA 8260B	EPA 5030B

Client Sample ID : MW-6 Laboratory Sample ID : 267140-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	2,600		50	ug/L	As Recd	1.000	EPA 8015B	EPA 5030B
MTBE	140		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Benzene	310		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Toluene	13		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Ethylbenzene	25		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
m,p-Xylenes	40		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
o-Xylene	2.7		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Isopropylbenzene	18		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Propylbenzene	31		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
1,3,5-Trimethylbenzene	3.5		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
1,2,4-Trimethylbenzene	8.5		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
sec-Butylbenzene	2.9		1.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
Naphthalene	34		6.7	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B
tert-Butyl Alcohol (TBA)	94		33	ug/L	As Recd	3.333	EPA 8260B	EPA 5030B

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Client Sample ID : MW-7 Laboratory Sample ID : 267140-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Gasoline C7-C12	6,800		50	ug/L	As Recd	1.000	EPA 8015B	EPA 5030B
Benzene	2,700		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
Ethylbenzene	240		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
m,p-Xylenes	24		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
Isopropylbenzene	26		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
Propylbenzene	39		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
1,2,4-Trimethylbenzene	39		20	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B
tert-Butyl Alcohol (TBA)	860		400	ug/L	As Recd	40.00	EPA 8260B	EPA 5030B

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/29/15
Units:	ug/L	Received:	06/01/15

Field ID:	MW-1	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	223731
Lab ID:	267140-001	Analyzed:	06/02/15

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	80-132

Field ID:	MW-2	Diln Fac:	20.00
Type:	SAMPLE	Batch#:	223812
Lab ID:	267140-002	Analyzed:	06/04/15

Analyte	Result	RL
Gasoline C7-C12	38,000	1,000

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	80-132

Field ID:	MW-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	223731
Lab ID:	267140-003	Analyzed:	06/03/15

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	80-132

Field ID:	MW-4	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	223777
Lab ID:	267140-004	Analyzed:	06/03/15

Analyte	Result	RL
Gasoline C7-C12	12,000	500

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	80-132

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/29/15
Units:	ug/L	Received:	06/01/15

Field ID:	MW-5	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	223731
Lab ID:	267140-005	Analyzed:	06/03/15

Analyte	Result	RL
Gasoline C7-C12	2,200	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	80-132

Field ID:	MW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	223731
Lab ID:	267140-006	Analyzed:	06/03/15

Analyte	Result	RL
Gasoline C7-C12	2,600	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	80-132

Field ID:	MW-7	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	223731
Lab ID:	267140-007	Analyzed:	06/03/15

Analyte	Result	RL
Gasoline C7-C12	6,800	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	80-132

Type:	BLANK	Batch#:	223731
Lab ID:	QC790167	Analyzed:	06/02/15
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	80-132

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	05/29/15
Units:	ug/L	Received:	06/01/15

Type:	BLANK	Batch#:	223777
Lab ID:	QC790359	Analyzed:	06/03/15
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	80-132

Type:	BLANK	Batch#:	223812
Lab ID:	QC790501	Analyzed:	06/04/15
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	80-132

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC790166	Batch#:	223731
Matrix:	Water	Analyzed:	06/02/15
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,114	111	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	80-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	223731
MSS Lab ID:	267160-001	Sampled:	06/01/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/02/15
Diln Fac:	1.000		

Type: MS Lab ID: QC790168

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	15.74	2,000	1,859	92	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	80-132

Type: MSD Lab ID: QC790169

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,849	92	76-120	1	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	80-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC790358	Batch#:	223777
Matrix:	Water	Analyzed:	06/03/15
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	933.4	93	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	90	80-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	223777
MSS Lab ID:	267191-001	Sampled:	06/01/15
Matrix:	Water	Received:	06/02/15
Units:	ug/L	Analyzed:	06/03/15
Diln Fac:	1.000		

Type: MS Lab ID: QC790360

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	30.48	2,000	1,718	84	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	122	80-132

Type: MSD Lab ID: QC790361

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,699	83	76-120	1	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	80-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC790500	Batch#:	223812
Matrix:	Water	Analyzed:	06/04/15
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	962.3	96	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	90	80-132

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	223812
MSS Lab ID:	267191-005	Sampled:	06/01/15
Matrix:	Water	Received:	06/02/15
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	1.000		

Type: MS Lab ID: QC790502

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	42.32	1,000	1,075	103	76-120

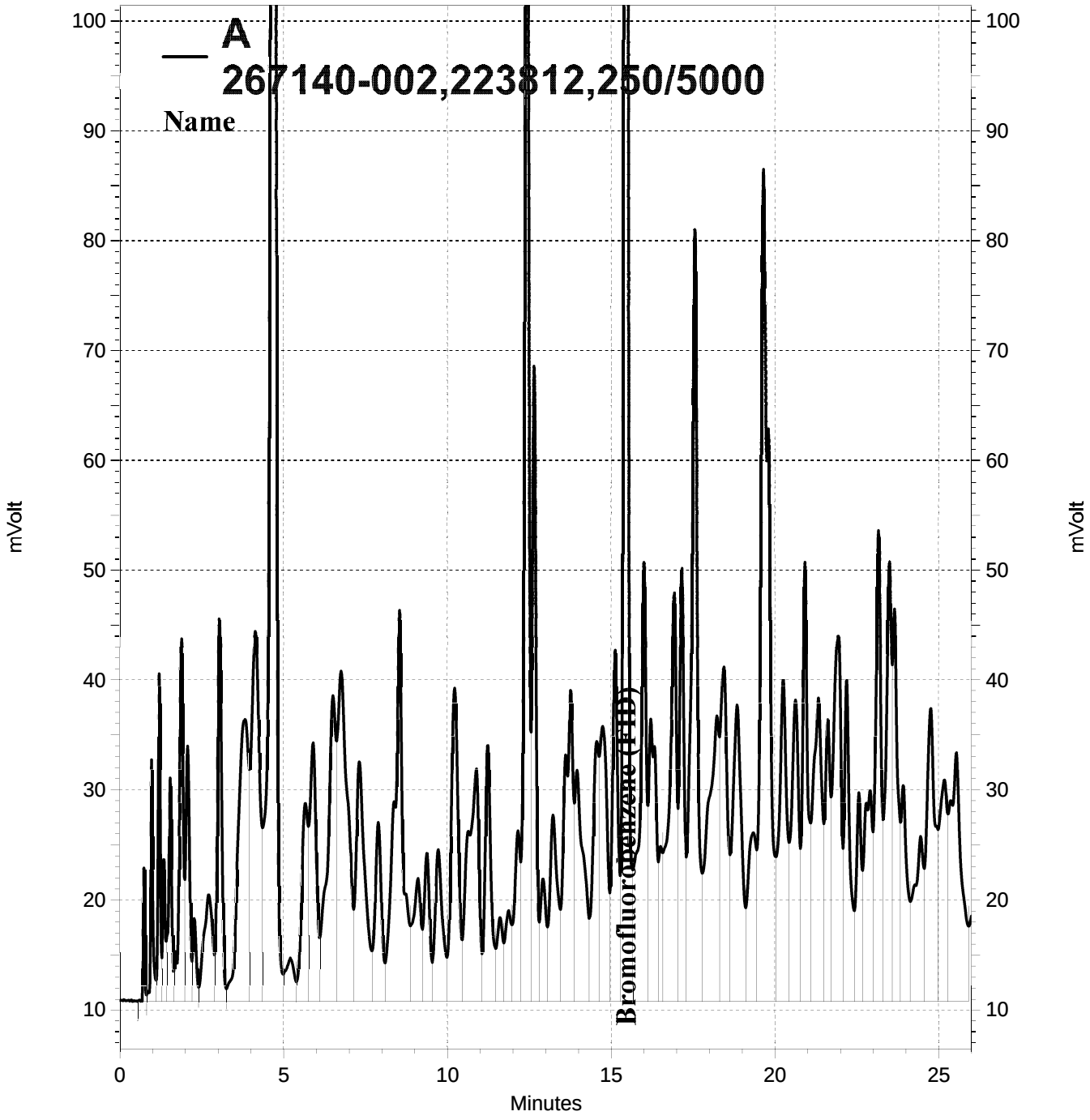
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	80-132

Type: MSD Lab ID: QC790503

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,044	100	76-120	3	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	80-132

RPD= Relative Percent Difference



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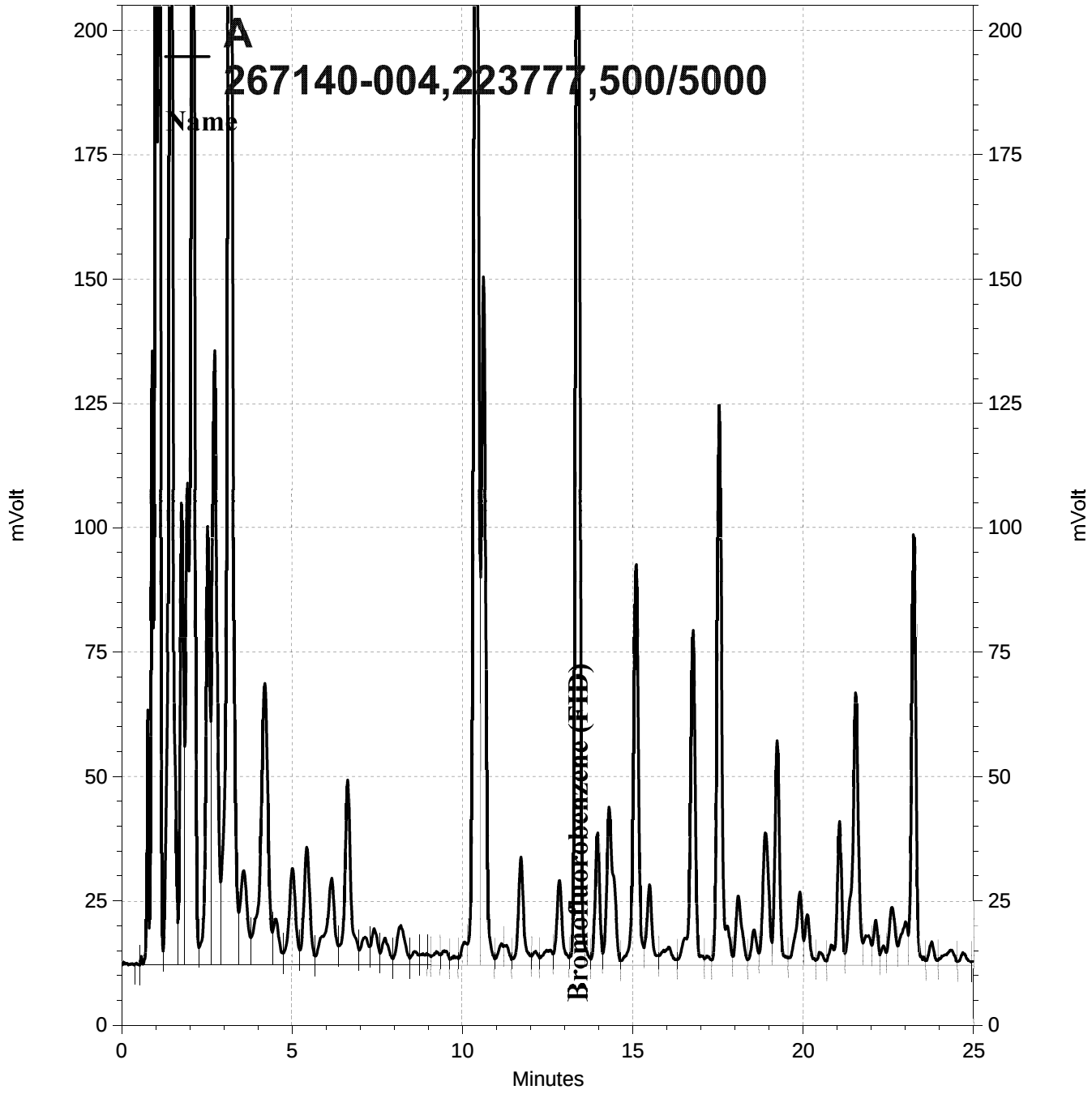

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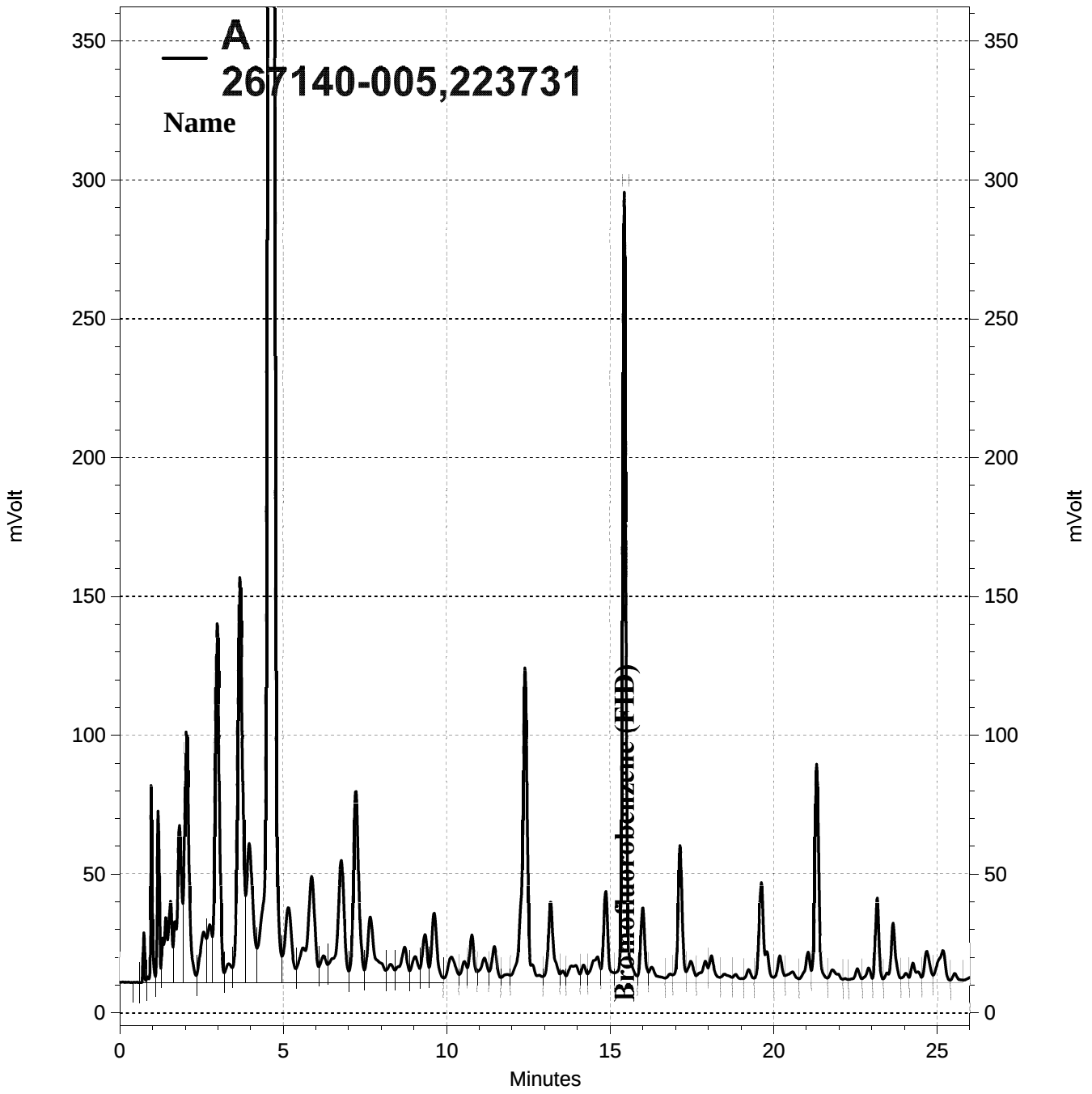

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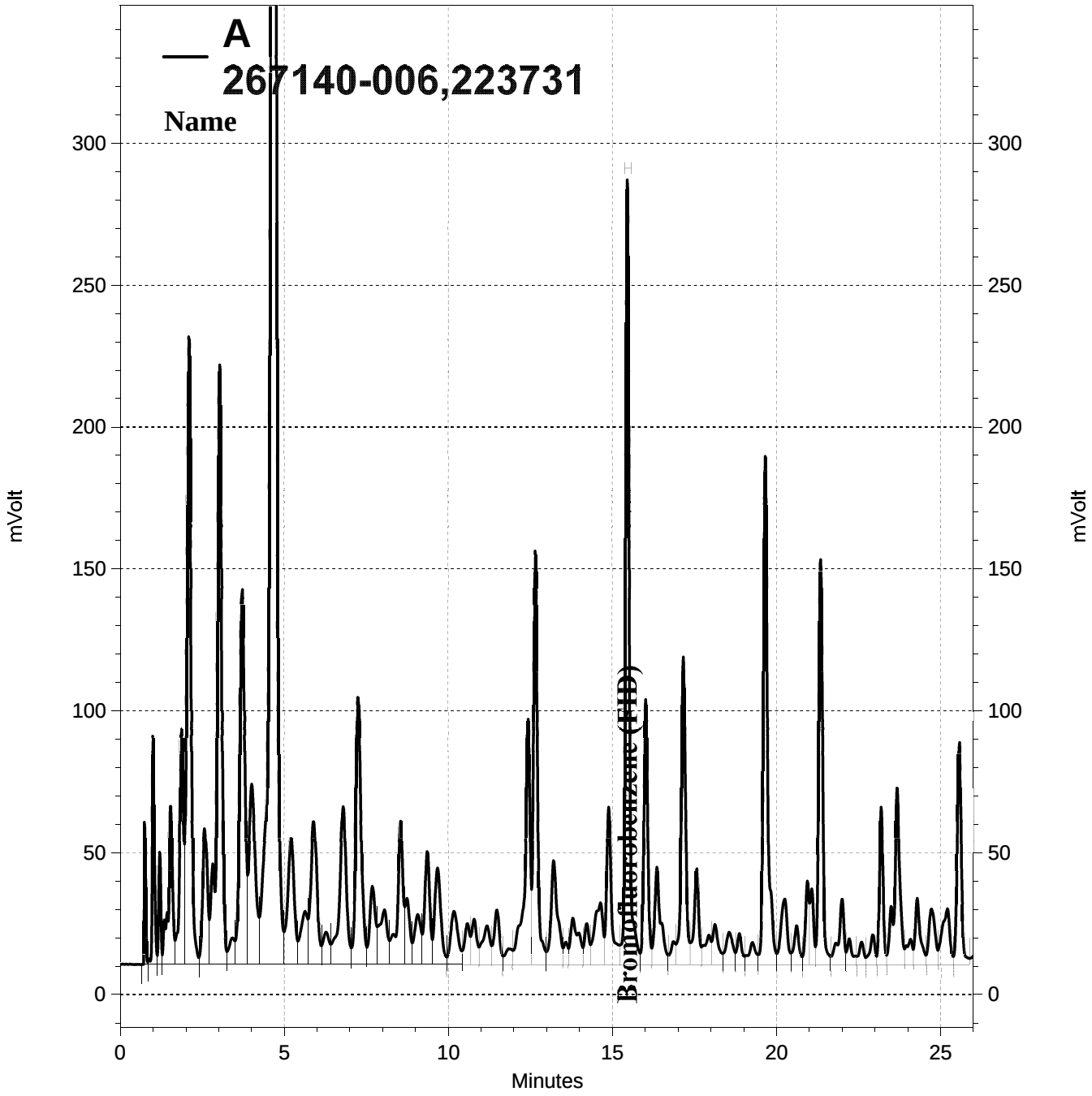

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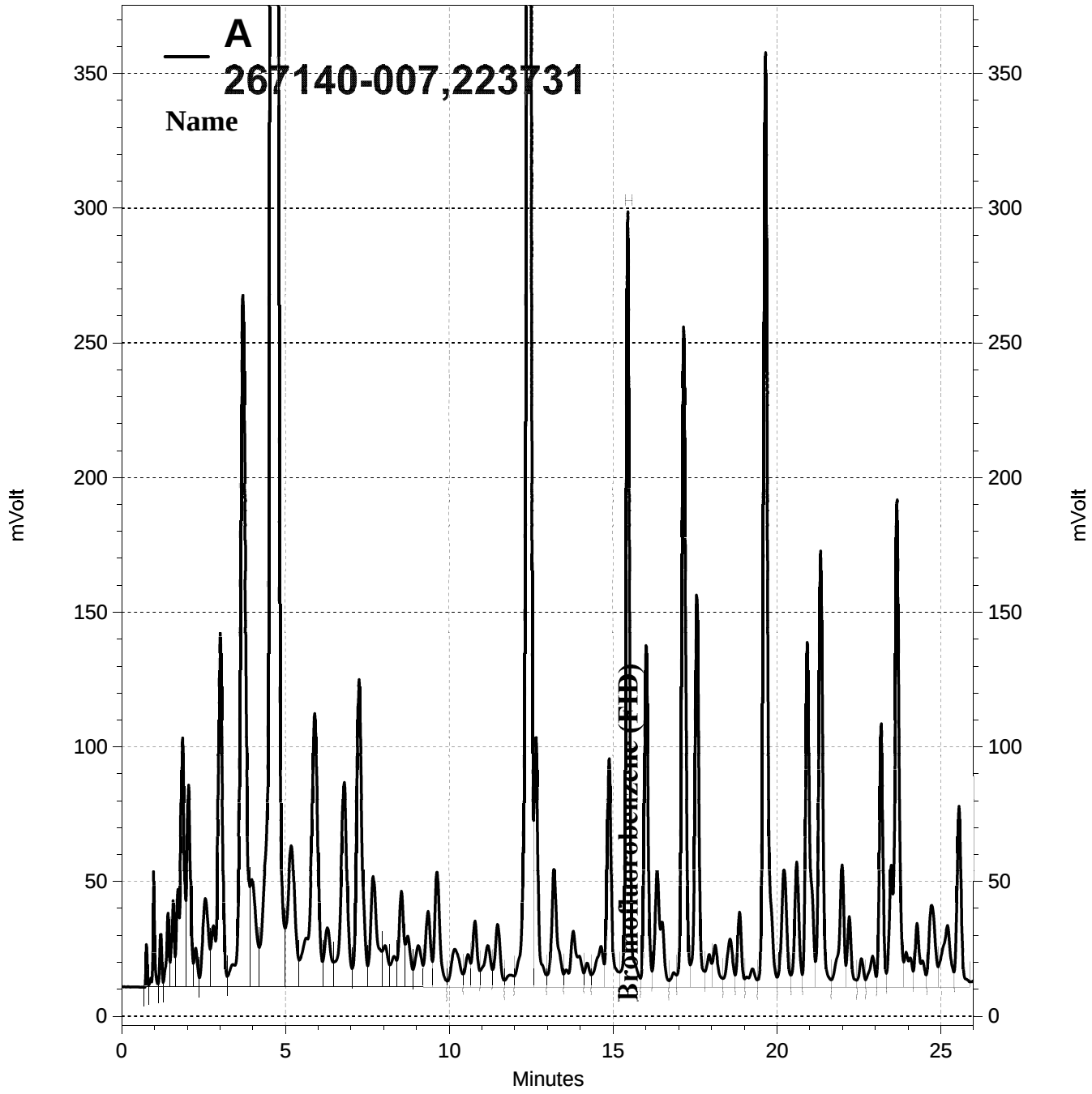

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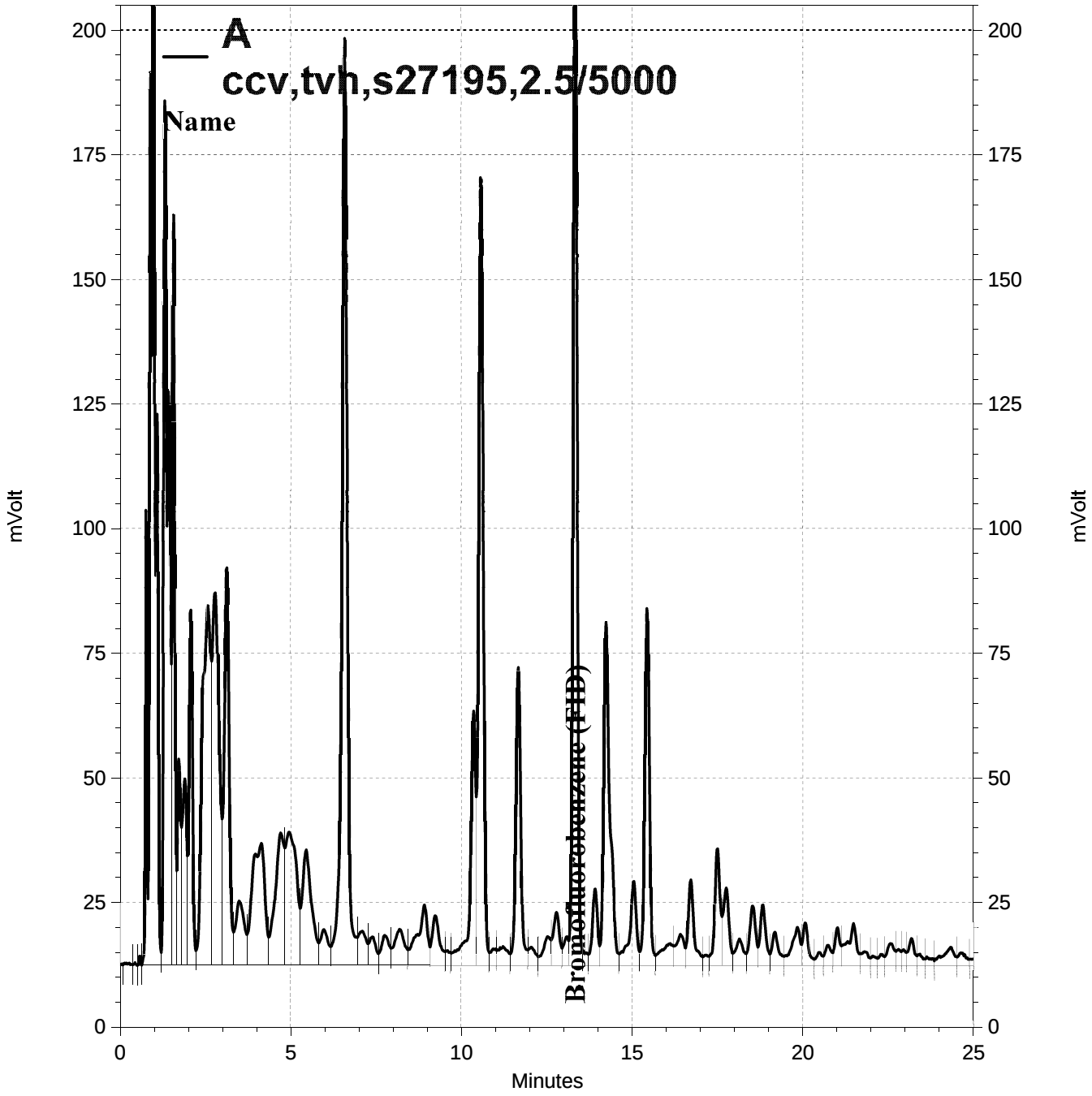

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-1	Diln Fac:	1.000
Lab ID:	267140-001	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	1.0	223809	06/04/15
Chloromethane	ND	1.0	223809	06/04/15
Vinyl Chloride	ND	0.5	223809	06/04/15
Bromomethane	ND	1.0	223809	06/04/15
Chloroethane	ND	1.0	223809	06/04/15
Trichlorofluoromethane	ND	1.0	223809	06/04/15
Acetone	ND	10	223809	06/04/15
Freon 113	ND	2.0	223809	06/04/15
1,1-Dichloroethene	ND	0.5	223809	06/04/15
Methylene Chloride	ND	10	223809	06/04/15
Carbon Disulfide	ND	0.5	223809	06/04/15
MTBE	ND	0.5	223809	06/04/15
trans-1,2-Dichloroethene	ND	0.5	223809	06/04/15
Vinyl Acetate	ND	10	223809	06/04/15
1,1-Dichloroethane	ND	0.5	223809	06/04/15
2-Butanone	ND	10	223809	06/04/15
cis-1,2-Dichloroethene	ND	0.5	223809	06/04/15
2,2-Dichloropropane	ND	0.5	223809	06/04/15
Chloroform	ND	0.5	223809	06/04/15
Bromochloromethane	ND	0.5	223809	06/04/15
1,1,1-Trichloroethane	ND	0.5	223809	06/04/15
1,1-Dichloropropene	ND	0.5	223809	06/04/15
Carbon Tetrachloride	ND	0.5	223809	06/04/15
1,2-Dichloroethane	ND	0.5	223809	06/04/15
Benzene	ND	0.5	223809	06/04/15
Trichloroethene	ND	0.5	223809	06/04/15
1,2-Dichloropropane	ND	0.5	223809	06/04/15
Bromodichloromethane	ND	0.5	223809	06/04/15
Dibromomethane	ND	0.5	223809	06/04/15
4-Methyl-2-Pentanone	ND	10	223809	06/04/15
cis-1,3-Dichloropropene	ND	0.5	223809	06/04/15
Toluene	ND	0.5	223809	06/04/15
trans-1,3-Dichloropropene	ND	0.5	223809	06/04/15
1,1,2-Trichloroethane	ND	0.5	223809	06/04/15
2-Hexanone	ND	10	223809	06/04/15
1,3-Dichloropropane	ND	0.5	223809	06/04/15
Tetrachloroethene	ND	0.5	223809	06/04/15
Dibromochloromethane	ND	0.5	223809	06/04/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-1	Diln Fac:	1.000
Lab ID:	267140-001	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
1,2-Dibromoethane	ND	0.5	223809	06/04/15
Chlorobenzene	ND	0.5	223809	06/04/15
1,1,1,2-Tetrachloroethane	ND	0.5	223809	06/04/15
Ethylbenzene	1.1	0.5	223809	06/04/15
m,p-Xylenes	ND	0.5	223764	06/03/15
o-Xylene	ND	0.5	223809	06/04/15
Styrene	ND	0.5	223809	06/04/15
Bromoform	ND	1.0	223809	06/04/15
Isopropylbenzene	ND	0.5	223809	06/04/15
1,1,2,2-Tetrachloroethane	ND	0.5	223809	06/04/15
1,2,3-Trichloropropane	ND	0.5	223809	06/04/15
Propylbenzene	ND	0.5	223809	06/04/15
Bromobenzene	ND	0.5	223809	06/04/15
1,3,5-Trimethylbenzene	ND	0.5	223809	06/04/15
2-Chlorotoluene	ND	0.5	223809	06/04/15
4-Chlorotoluene	ND	0.5	223809	06/04/15
tert-Butylbenzene	ND	0.5	223809	06/04/15
1,2,4-Trimethylbenzene	ND	0.5	223809	06/04/15
sec-Butylbenzene	ND	0.5	223809	06/04/15
para-Isopropyl Toluene	ND	0.5	223809	06/04/15
1,3-Dichlorobenzene	ND	0.5	223809	06/04/15
1,4-Dichlorobenzene	ND	0.5	223809	06/04/15
n-Butylbenzene	ND	0.5	223809	06/04/15
1,2-Dichlorobenzene	ND	0.5	223809	06/04/15
1,2-Dibromo-3-Chloropropane	ND	2.0	223809	06/04/15
1,2,4-Trichlorobenzene	ND	0.5	223809	06/04/15
Hexachlorobutadiene	ND	2.0	223809	06/04/15
Naphthalene	ND	2.0	223809	06/04/15
1,2,3-Trichlorobenzene	ND	0.5	223809	06/04/15
tert-Butyl Alcohol (TBA)	ND	10	223809	06/04/15

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	110	80-128	223809	06/04/15
1,2-Dichloroethane-d4	105	75-139	223809	06/04/15
Toluene-d8	100	80-120	223809	06/04/15
Bromofluorobenzene	106	80-120	223809	06/04/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-2	Units:	ug/L
Lab ID:	267140-002	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	2.0	2.000	223764	06/03/15
Chloromethane	ND	2.0	2.000	223764	06/03/15
Vinyl Chloride	ND	1.0	2.000	223764	06/03/15
Bromomethane	ND	2.0	2.000	223764	06/03/15
Chloroethane	ND	2.0	2.000	223764	06/03/15
Trichlorofluoromethane	ND	2.0	2.000	223764	06/03/15
Acetone	ND	20	2.000	223764	06/03/15
Freon 113	ND	4.0	2.000	223764	06/03/15
1,1-Dichloroethene	ND	1.0	2.000	223764	06/03/15
Methylene Chloride	ND	20	2.000	223764	06/03/15
Carbon Disulfide	ND	1.0	2.000	223764	06/03/15
MTBE	24	1.0	2.000	223764	06/03/15
trans-1,2-Dichloroethene	ND	1.0	2.000	223764	06/03/15
Vinyl Acetate	ND	20	2.000	223764	06/03/15
1,1-Dichloroethane	ND	1.0	2.000	223764	06/03/15
2-Butanone	ND	20	2.000	223764	06/03/15
cis-1,2-Dichloroethene	ND	1.0	2.000	223764	06/03/15
2,2-Dichloropropane	ND	1.0	2.000	223764	06/03/15
Chloroform	ND	1.0	2.000	223764	06/03/15
Bromochloromethane	ND	1.0	2.000	223764	06/03/15
1,1,1-Trichloroethane	ND	1.0	2.000	223764	06/03/15
1,1-Dichloropropene	ND	7.1	14.29	223810	06/04/15
Carbon Tetrachloride	ND	7.1	14.29	223810	06/04/15
1,2-Dichloroethane	ND	7.1	14.29	223810	06/04/15
Benzene	1,300	7.1	14.29	223810	06/04/15
Trichloroethene	ND	7.1	14.29	223810	06/04/15
1,2-Dichloropropane	ND	7.1	14.29	223810	06/04/15
Bromodichloromethane	ND	7.1	14.29	223810	06/04/15
Dibromomethane	ND	7.1	14.29	223810	06/04/15
4-Methyl-2-Pentanone	ND	140	14.29	223810	06/04/15
cis-1,3-Dichloropropene	ND	7.1	14.29	223810	06/04/15
Toluene	150	1.0	2.000	223764	06/03/15
trans-1,3-Dichloropropene	ND	1.0	2.000	223764	06/03/15
1,1,2-Trichloroethane	ND	1.0	2.000	223764	06/03/15
2-Hexanone	ND	20	2.000	223764	06/03/15
1,3-Dichloropropane	ND	1.0	2.000	223764	06/03/15
Tetrachloroethene	ND	1.0	2.000	223764	06/03/15
Dibromochloromethane	ND	1.0	2.000	223764	06/03/15
1,2-Dibromoethane	ND	1.0	2.000	223764	06/03/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-2	Units:	ug/L
Lab ID:	267140-002	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	1.0	2.000	223764	06/03/15
1,1,1,2-Tetrachloroethane	ND	1.0	2.000	223764	06/03/15
Ethylbenzene	530	7.1	14.29	223810	06/04/15
m,p-Xylenes	240	1.0	2.000	223764	06/03/15
o-Xylene	76	1.0	2.000	223764	06/03/15
Styrene	ND	1.0	2.000	223764	06/03/15
Bromoform	ND	2.0	2.000	223764	06/03/15
Isopropylbenzene	34	1.0	2.000	223764	06/03/15
1,1,2,2-Tetrachloroethane	ND	1.0	2.000	223764	06/03/15
1,2,3-Trichloropropane	ND	1.0	2.000	223764	06/03/15
Propylbenzene	86	1.0	2.000	223764	06/03/15
Bromobenzene	ND	1.0	2.000	223764	06/03/15
1,3,5-Trimethylbenzene	26	1.0	2.000	223764	06/03/15
2-Chlorotoluene	ND	1.0	2.000	223764	06/03/15
4-Chlorotoluene	ND	1.0	2.000	223764	06/03/15
tert-Butylbenzene	2.7	1.0	2.000	223764	06/03/15
1,2,4-Trimethylbenzene	190	1.0	2.000	223764	06/03/15
sec-Butylbenzene	11	1.0	2.000	223764	06/03/15
para-Isopropyl Toluene	6.5	1.0	2.000	223764	06/03/15
1,3-Dichlorobenzene	ND	1.0	2.000	223764	06/03/15
1,4-Dichlorobenzene	ND	1.0	2.000	223764	06/03/15
n-Butylbenzene	18	1.0	2.000	223764	06/03/15
1,2-Dichlorobenzene	ND	1.0	2.000	223764	06/03/15
1,2-Dibromo-3-Chloropropane	ND	4.0	2.000	223764	06/03/15
1,2,4-Trichlorobenzene	ND	1.0	2.000	223764	06/03/15
Hexachlorobutadiene	ND	4.0	2.000	223764	06/03/15
Naphthalene	71	4.0	2.000	223764	06/03/15
1,2,3-Trichlorobenzene	ND	1.0	2.000	223764	06/03/15
tert-Butyl Alcohol (TBA)	87	20	2.000	223764	06/03/15

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	84	80-128	2.000	223764	06/03/15
1,2-Dichloroethane-d4	104	75-139	14.29	223810	06/04/15
Toluene-d8	98	80-120	2.000	223764	06/03/15
Bromofluorobenzene	91	80-120	2.000	223764	06/03/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	223809
Lab ID:	267140-003	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	0.6	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	223809
Lab ID:	267140-003	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
tert-Butyl Alcohol (TBA)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-4	Units:	ug/L
Lab ID:	267140-004	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	10	10.00	223810	06/04/15
Chloromethane	ND	10	10.00	223810	06/04/15
Vinyl Chloride	ND	5.0	10.00	223810	06/04/15
Bromomethane	ND	10	10.00	223810	06/04/15
Chloroethane	ND	10	10.00	223810	06/04/15
Trichlorofluoromethane	ND	10	10.00	223810	06/04/15
Acetone	ND	100	10.00	223810	06/04/15
Freon 113	ND	20	10.00	223810	06/04/15
1,1-Dichloroethene	ND	5.0	10.00	223810	06/04/15
Methylene Chloride	ND	100	10.00	223810	06/04/15
Carbon Disulfide	ND	5.0	10.00	223810	06/04/15
MTBE	49	5.0	10.00	223810	06/04/15
trans-1,2-Dichloroethene	ND	5.0	10.00	223810	06/04/15
Vinyl Acetate	ND	100	10.00	223810	06/04/15
1,1-Dichloroethane	ND	5.0	10.00	223810	06/04/15
2-Butanone	ND	100	10.00	223810	06/04/15
cis-1,2-Dichloroethene	ND	5.0	10.00	223810	06/04/15
2,2-Dichloropropane	ND	5.0	10.00	223810	06/04/15
Chloroform	ND	5.0	10.00	223810	06/04/15
Bromochloromethane	ND	5.0	10.00	223810	06/04/15
1,1,1-Trichloroethane	ND	5.0	10.00	223810	06/04/15
1,1-Dichloropropene	ND	2.0	4.000	223764	06/03/15
Carbon Tetrachloride	ND	2.0	4.000	223764	06/03/15
1,2-Dichloroethane	ND	2.0	4.000	223764	06/03/15
Benzene	600	5.0	10.00	223810	06/04/15
Trichloroethene	ND	2.0	4.000	223764	06/03/15
1,2-Dichloropropane	ND	2.0	4.000	223764	06/03/15
Bromodichloromethane	ND	2.0	4.000	223764	06/03/15
Dibromomethane	ND	2.0	4.000	223764	06/03/15
4-Methyl-2-Pentanone	ND	40	4.000	223764	06/03/15
cis-1,3-Dichloropropene	ND	2.0	4.000	223764	06/03/15
Toluene	78	2.0	4.000	223764	06/03/15
trans-1,3-Dichloropropene	ND	2.0	4.000	223764	06/03/15
1,1,2-Trichloroethane	ND	2.0	4.000	223764	06/03/15
2-Hexanone	ND	40	4.000	223764	06/03/15
1,3-Dichloropropane	ND	2.0	4.000	223764	06/03/15
Tetrachloroethene	ND	2.0	4.000	223764	06/03/15
Dibromochloromethane	ND	2.0	4.000	223764	06/03/15
1,2-Dibromoethane	ND	2.0	4.000	223764	06/03/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-4	Units:	ug/L
Lab ID:	267140-004	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	2.0	4.000	223764	06/03/15
1,1,1,2-Tetrachloroethane	ND	2.0	4.000	223764	06/03/15
Ethylbenzene	740	5.0	10.00	223810	06/04/15
m,p-Xylenes	290	2.0	4.000	223764	06/03/15
o-Xylene	47	2.0	4.000	223764	06/03/15
Styrene	ND	2.0	4.000	223764	06/03/15
Bromoform	ND	4.0	4.000	223764	06/03/15
Isopropylbenzene	34	2.0	4.000	223764	06/03/15
1,1,2,2-Tetrachloroethane	ND	2.0	4.000	223764	06/03/15
1,2,3-Trichloropropane	ND	2.0	4.000	223764	06/03/15
Propylbenzene	50	2.0	4.000	223764	06/03/15
Bromobenzene	ND	2.0	4.000	223764	06/03/15
1,3,5-Trimethylbenzene	29	2.0	4.000	223764	06/03/15
2-Chlorotoluene	ND	2.0	4.000	223764	06/03/15
4-Chlorotoluene	ND	2.0	4.000	223764	06/03/15
tert-Butylbenzene	ND	2.0	4.000	223764	06/03/15
1,2,4-Trimethylbenzene	33	2.0	4.000	223764	06/03/15
sec-Butylbenzene	3.5	2.0	4.000	223764	06/03/15
para-Isopropyl Toluene	3.7	2.0	4.000	223764	06/03/15
1,3-Dichlorobenzene	ND	2.0	4.000	223764	06/03/15
1,4-Dichlorobenzene	ND	2.0	4.000	223764	06/03/15
n-Butylbenzene	5.8	2.0	4.000	223764	06/03/15
1,2-Dichlorobenzene	2.6	2.0	4.000	223764	06/03/15
1,2-Dibromo-3-Chloropropane	ND	8.0	4.000	223764	06/03/15
1,2,4-Trichlorobenzene	ND	2.0	4.000	223764	06/03/15
Hexachlorobutadiene	ND	8.0	4.000	223764	06/03/15
Naphthalene	350	8.0	4.000	223764	06/03/15
1,2,3-Trichlorobenzene	ND	2.0	4.000	223764	06/03/15
tert-Butyl Alcohol (TBA)	ND	40	4.000	223764	06/03/15

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	80-128	10.00	223810	06/04/15
1,2-Dichloroethane-d4	77	75-139	4.000	223764	06/03/15
Toluene-d8	97	80-120	4.000	223764	06/03/15
Bromofluorobenzene	86	80-120	4.000	223764	06/03/15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	223809
Lab ID:	267140-005	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	6.250		

Analyte	Result	RL
Freon 12	ND	6.3
Chloromethane	ND	6.3
Vinyl Chloride	ND	3.1
Bromomethane	ND	6.3
Chloroethane	ND	6.3
Trichlorofluoromethane	ND	6.3
Acetone	ND	63
Freon 113	ND	13
1,1-Dichloroethene	ND	3.1
Methylene Chloride	ND	63
Carbon Disulfide	ND	3.1
MTBE	39	3.1
trans-1,2-Dichloroethene	ND	3.1
Vinyl Acetate	ND	63
1,1-Dichloroethane	ND	3.1
2-Butanone	ND	63
cis-1,2-Dichloroethene	ND	3.1
2,2-Dichloropropane	ND	3.1
Chloroform	ND	3.1
Bromochloromethane	ND	3.1
1,1,1-Trichloroethane	ND	3.1
1,1-Dichloropropene	ND	3.1
Carbon Tetrachloride	ND	3.1
1,2-Dichloroethane	ND	3.1
Benzene	480	3.1
Trichloroethene	ND	3.1
1,2-Dichloropropane	ND	3.1
Bromodichloromethane	ND	3.1
Dibromomethane	ND	3.1
4-Methyl-2-Pentanone	ND	63
cis-1,3-Dichloropropene	ND	3.1
Toluene	ND	3.1
trans-1,3-Dichloropropene	ND	3.1
1,1,2-Trichloroethane	ND	3.1
2-Hexanone	ND	63
1,3-Dichloropropane	ND	3.1
Tetrachloroethene	ND	3.1

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	223809
Lab ID:	267140-005	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	6.250		

Analyte	Result	RL
Dibromochloromethane	ND	3.1
1,2-Dibromoethane	ND	3.1
Chlorobenzene	ND	3.1
1,1,1,2-Tetrachloroethane	ND	3.1
Ethylbenzene	48	3.1
m,p-Xylenes	ND	3.1
o-Xylene	ND	3.1
Styrene	ND	3.1
Bromoform	ND	6.3
Isopropylbenzene	12	3.1
1,1,2,2-Tetrachloroethane	ND	3.1
1,2,3-Trichloropropane	ND	3.1
Propylbenzene	9.3	3.1
Bromobenzene	ND	3.1
1,3,5-Trimethylbenzene	ND	3.1
2-Chlorotoluene	ND	3.1
4-Chlorotoluene	ND	3.1
tert-Butylbenzene	ND	3.1
1,2,4-Trimethylbenzene	ND	3.1
sec-Butylbenzene	ND	3.1
para-Isopropyl Toluene	ND	3.1
1,3-Dichlorobenzene	ND	3.1
1,4-Dichlorobenzene	ND	3.1
n-Butylbenzene	ND	3.1
1,2-Dichlorobenzene	ND	3.1
1,2-Dibromo-3-Chloropropane	ND	13
1,2,4-Trichlorobenzene	ND	3.1
Hexachlorobutadiene	ND	13
Naphthalene	ND	13
1,2,3-Trichlorobenzene	ND	3.1
tert-Butyl Alcohol (TBA)	390	63

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	98	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	111	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	223880
Lab ID:	267140-006	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/06/15
Diln Fac:	3.333		

Analyte	Result	RL
Freon 12	ND	3.3
Chloromethane	ND	3.3
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Acetone	ND	33
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	33
Carbon Disulfide	ND	1.7
MTBE	140	1.7
trans-1,2-Dichloroethene	ND	1.7
Vinyl Acetate	ND	33
1,1-Dichloroethane	ND	1.7
2-Butanone	ND	33
cis-1,2-Dichloroethene	ND	1.7
2,2-Dichloropropane	ND	1.7
Chloroform	ND	1.7
Bromochloromethane	ND	1.7
1,1,1-Trichloroethane	ND	1.7
1,1-Dichloropropene	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Benzene	310	1.7
Trichloroethene	ND	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
Dibromomethane	ND	1.7
4-Methyl-2-Pentanone	ND	33
cis-1,3-Dichloropropene	ND	1.7
Toluene	13	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
2-Hexanone	ND	33
1,3-Dichloropropane	ND	1.7
Tetrachloroethene	ND	1.7

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	223880
Lab ID:	267140-006	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/06/15
Diln Fac:	3.333		

Analyte	Result	RL
Dibromochloromethane	ND	1.7
1,2-Dibromoethane	ND	1.7
Chlorobenzene	ND	1.7
1,1,1,2-Tetrachloroethane	ND	1.7
Ethylbenzene	25	1.7
m,p-Xylenes	40	1.7
o-Xylene	2.7	1.7
Styrene	ND	1.7
Bromoform	ND	3.3
Isopropylbenzene	18	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,2,3-Trichloropropane	ND	1.7
Propylbenzene	31	1.7
Bromobenzene	ND	1.7
1,3,5-Trimethylbenzene	3.5	1.7
2-Chlorotoluene	ND	1.7
4-Chlorotoluene	ND	1.7
tert-Butylbenzene	ND	1.7
1,2,4-Trimethylbenzene	8.5	1.7
sec-Butylbenzene	2.9	1.7
para-Isopropyl Toluene	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
n-Butylbenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7
1,2-Dibromo-3-Chloropropane	ND	6.7
1,2,4-Trichlorobenzene	ND	1.7
Hexachlorobutadiene	ND	6.7
Naphthalene	34	6.7
1,2,3-Trichlorobenzene	ND	1.7
tert-Butyl Alcohol (TBA)	94	33

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-128
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	223880
Lab ID:	267140-007	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/06/15
Diln Fac:	40.00		

Analyte	Result	RL
Freon 12	ND	40
Chloromethane	ND	40
Vinyl Chloride	ND	20
Bromomethane	ND	40
Chloroethane	ND	40
Trichlorofluoromethane	ND	40
Acetone	ND	400
Freon 113	ND	80
1,1-Dichloroethene	ND	20
Methylene Chloride	ND	400
Carbon Disulfide	ND	20
MTBE	ND	20
trans-1,2-Dichloroethene	ND	20
Vinyl Acetate	ND	400
1,1-Dichloroethane	ND	20
2-Butanone	ND	400
cis-1,2-Dichloroethene	ND	20
2,2-Dichloropropane	ND	20
Chloroform	ND	20
Bromochloromethane	ND	20
1,1,1-Trichloroethane	ND	20
1,1-Dichloropropene	ND	20
Carbon Tetrachloride	ND	20
1,2-Dichloroethane	ND	20
Benzene	2,700	20
Trichloroethene	ND	20
1,2-Dichloropropane	ND	20
Bromodichloromethane	ND	20
Dibromomethane	ND	20
4-Methyl-2-Pentanone	ND	400
cis-1,3-Dichloropropene	ND	20
Toluene	ND	20
trans-1,3-Dichloropropene	ND	20
1,1,2-Trichloroethane	ND	20
2-Hexanone	ND	400
1,3-Dichloropropane	ND	20
Tetrachloroethene	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	223880
Lab ID:	267140-007	Sampled:	05/29/15
Matrix:	Water	Received:	06/01/15
Units:	ug/L	Analyzed:	06/06/15
Diln Fac:	40.00		

Analyte	Result	RL
Dibromochloromethane	ND	20
1,2-Dibromoethane	ND	20
Chlorobenzene	ND	20
1,1,1,2-Tetrachloroethane	ND	20
Ethylbenzene	240	20
m,p-Xylenes	24	20
o-Xylene	ND	20
Styrene	ND	20
Bromoform	ND	40
Isopropylbenzene	26	20
1,1,2,2-Tetrachloroethane	ND	20
1,2,3-Trichloropropane	ND	20
Propylbenzene	39	20
Bromobenzene	ND	20
1,3,5-Trimethylbenzene	ND	20
2-Chlorotoluene	ND	20
4-Chlorotoluene	ND	20
tert-Butylbenzene	ND	20
1,2,4-Trimethylbenzene	39	20
sec-Butylbenzene	ND	20
para-Isopropyl Toluene	ND	20
1,3-Dichlorobenzene	ND	20
1,4-Dichlorobenzene	ND	20
n-Butylbenzene	ND	20
1,2-Dichlorobenzene	ND	20
1,2-Dibromo-3-Chloropropane	ND	80
1,2,4-Trichlorobenzene	ND	20
Hexachlorobutadiene	ND	80
Naphthalene	ND	80
1,2,3-Trichlorobenzene	ND	20
tert-Butyl Alcohol (TBA)	860	400

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	223764
Units:	ug/L	Analyzed:	06/03/15
Diln Fac:	1.000		

Type: BS Lab ID: QC790312

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.06	88	66-135
Benzene	12.50	12.43	99	80-123
Trichloroethene	12.50	10.99	88	80-123
Toluene	12.50	13.35	107	80-121
Chlorobenzene	12.50	13.24	106	80-123
tert-Butyl Alcohol (TBA)	62.50	47.94	77	32-155

Surrogate	%REC	Limits
Dibromofluoromethane	86	80-128
1,2-Dichloroethane-d4	81	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	85	80-120

Type: BSD Lab ID: QC790313

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	10.94	88	66-135	1	24
Benzene	12.50	12.14	97	80-123	2	20
Trichloroethene	12.50	10.64	85	80-123	3	20
Toluene	12.50	12.25	98	80-121	9	20
Chlorobenzene	12.50	12.45	100	80-123	6	20
tert-Butyl Alcohol (TBA)	62.50	43.72	70	32-155	9	33

Surrogate	%REC	Limits
Dibromofluoromethane	85	80-128
1,2-Dichloroethane-d4	79	75-139
Toluene-d8	91	80-120
Bromofluorobenzene	87	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790316	Batch#:	223764
Matrix:	Water	Analyzed:	06/03/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790316	Batch#:	223764
Matrix:	Water	Analyzed:	06/03/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
tert-Butyl Alcohol (TBA)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-128
1,2-Dichloroethane-d4	86	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	88	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	223809
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	1.000		

Type: BS Lab ID: QC790490

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.43	102	66-135
Benzene	25.00	24.81	99	80-123
Trichloroethene	25.00	24.09	96	80-123
Toluene	25.00	24.89	100	80-121
Chlorobenzene	25.00	25.28	101	80-123
tert-Butyl Alcohol (TBA)	125.0	143.6	115	32-155

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	101	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-120

Type: BSD Lab ID: QC790491

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.23	97	66-135	5	24
Benzene	25.00	25.10	100	80-123	1	20
Trichloroethene	25.00	25.20	101	80-123	4	20
Toluene	25.00	25.75	103	80-121	3	20
Chlorobenzene	25.00	25.87	103	80-123	2	20
tert-Butyl Alcohol (TBA)	125.0	133.3	107	32-155	7	33

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-128
1,2-Dichloroethane-d4	101	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790492	Batch#:	223809
Matrix:	Water	Analyzed:	06/04/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790492	Batch#:	223809
Matrix:	Water	Analyzed:	06/04/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
tert-Butyl Alcohol (TBA)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	94	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	223810
Units:	ug/L	Analyzed:	06/04/15
Diln Fac:	1.000		

Type: BS Lab ID: QC790493

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.34	97	66-135
Benzene	25.00	26.11	104	80-123
Trichloroethene	25.00	25.97	104	80-123
Toluene	25.00	27.78	111	80-121
Chlorobenzene	25.00	28.04	112	80-123
tert-Butyl Alcohol (TBA)	125.0	84.84 b	68	32-155

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-120

Type: BSD Lab ID: QC790494

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	23.71	95	66-135	3	24
Benzene	25.00	25.43	102	80-123	3	20
Trichloroethene	25.00	25.17	101	80-123	3	20
Toluene	25.00	27.67	111	80-121	0	20
Chlorobenzene	25.00	27.78	111	80-123	1	20
tert-Butyl Alcohol (TBA)	125.0	92.67 b	74	32-155	9	33

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	99	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-120

b= See narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790495	Batch#:	223810
Matrix:	Water	Analyzed:	06/04/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790495	Batch#:	223810
Matrix:	Water	Analyzed:	06/04/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
tert-Butyl Alcohol (TBA)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	108	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	223809
MSS Lab ID:	267105-014	Sampled:	05/27/15
Matrix:	Water	Received:	05/28/15
Units:	ug/L	Analyzed:	06/05/15
Diln Fac:	1.000		

Type: MS Lab ID: QC790648

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1519	25.00	25.51	102	73-129
Benzene	<0.1000	25.00	26.07	104	80-120
Trichloroethene	86.55	25.00	91.55	20 *	73-123
Toluene	<0.1000	25.00	25.99	104	80-120
Chlorobenzene	<0.1296	25.00	26.04	104	80-120
tert-Butyl Alcohol (TBA)	<2.239	125.0	146.8	117	49-155

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-128
1,2-Dichloroethane-d4	101	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-120

Type: MSD Lab ID: QC790649

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	23.72	95	73-129	7	25
Benzene	25.00	23.43	94	80-120	11	20
Trichloroethene	25.00	88.48	8 *	73-123	3	20
Toluene	25.00	26.13	105	80-120	1	21
Chlorobenzene	25.00	26.55	106	80-120	2	24
tert-Butyl Alcohol (TBA)	125.0	143.7	115	49-155	2	33

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	98	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-120

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	223880
Units:	ug/L	Analyzed:	06/06/15
Diln Fac:	1.000		

Type: BS Lab ID: QC790783

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	12.50	100	66-135
Benzene	12.50	13.35	107	80-123
Trichloroethene	12.50	12.88	103	80-123
Toluene	12.50	14.26	114	80-121
Chlorobenzene	12.50	13.91	111	80-123
tert-Butyl Alcohol (TBA)	62.50	63.76	102	32-155

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-128
1,2-Dichloroethane-d4	95	75-139
Toluene-d8	108	80-120
Bromofluorobenzene	101	80-120

Type: BSD Lab ID: QC790784

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.01	88	66-135	13	24
Benzene	12.50	12.70	102	80-123	5	20
Trichloroethene	12.50	12.29	98	80-123	5	20
Toluene	12.50	13.17	105	80-121	8	20
Chlorobenzene	12.50	12.74	102	80-123	9	20
tert-Butyl Alcohol (TBA)	62.50	71.26	114	32-155	11	33

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-128
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	106	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790785	Batch#:	223880
Matrix:	Water	Analyzed:	06/06/15
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	267140	Location:	3635 13TH Ave., Oakland, CA
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC790785	Batch#:	223880
Matrix:	Water	Analyzed:	06/06/15
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
tert-Butyl Alcohol (TBA)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-128
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit