KIA SUMNER
1069 OAK HILL ROAD
LAFAYETTE, CA 94549-0131

February 18, 2014

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

SUBJECT: 4TH QUARTER 2013 GROUNDWATER MONITORING AND SAMPLING REPORT
3635 13th Avenue, Oakland, CA

Dear Ms. Detterman:

Enclosed, please find a copy of the February 10, 2013 subject 4th Quarter 2013 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, ASSIGNEE

File No. 3-13-855-SC

FOURTH QUARTER 2013 GROUNDWATER MONITORING AND SAMPLING LOCATED AT 3635 13TH AVENUE OAKLAND, CALIFORNIA FEBRUARY 10, 2014

PREPARED FOR:
MR. KIA SUMNER
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

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 Fax: (408) 694-3447

February 10, 2014

File No. 3-13-855-SC

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

SUBJECT: FOURTH QUARTER 2013 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 fourth quarter of 2013 for the property located at 3635 13th Avenue, in Oakland, California. The wells were sampled on December 12, 2013.

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.

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

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

FRANK HAMEDI
GENERAL MANAGER

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

LAWRENCE KOO, P. E.
C. E. #34928

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. A gradient of 0.05 ft/ft seems to be typical for the site.

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.

SCOPE OF WORK

As a first step, ESTC reviewed more than a dozen reports by AEI to determine whether additional analysis of their data is warranted. We also re-instituted semi-annual groundwater monitoring in December 2013. This is the first monitoring event since April 2008. The scope of work was as follows:

- Review all data and construct additional maps using that data.
- Redevelop all the wells per ACHCSA's directive.
- 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.

ANALYSIS OF ALL ENVIRONMENTAL, INC. DATA

Using the data from AEI's 1998 and 2003 drilling investigations, we have mapped the extent of TPH-g and benzene during that period (Figures 3 and 4). These maps indicate that the extent of groundwater impact was laterally more extensive in the source area than it was downgradient of the source, which is a rather unusual situation. This could suggest that there is a preferential pathway beneath or near the southern part of the site, causing groundwater flow lines to converge into a narrower flow path, thereby funneling the hydrocarbons into a narrow stream. AEI's subsurface utility survey during their 2004 investigation identified several buried utility lines in 13th Avenue, but AEI concluded that these lines are too shallow to have served as preferential pathways for groundwater flow. However, AEI did not discuss the possibility that a natural pathway, such as a permeable sand body, might exist beneath the site.

In reviewing the boring logs from all of the previous investigations, we observed that there is a water-bearing zone in the vicinity of the site that varies in thickness and depth. In most borings, moderate to strong hydrocarbon odors were reported in this interval during drilling and soil and water samples were impacted by gasoline and/or diesel fuel. The permeable interval varies from sandy-silty clay through medium-grained sand, and gravel was

noted in a few borings. Therefore, we used the boring logs to create the isopach map of this interval in Figure 5. It is a fairly linear aquifer zone that trends in a general north-south direction It ranges from less than 5 to more than 20 feet thick, and there is a narrow "neck" in the contours in the south-central part of the site between SB9 and SB-22 that separates thicker areas to the north and south. There is an abrupt offset of this sand body at this neck, so that south of it the axis appears to be beneath 13th Avenue. Comparing this map to Figures 3 and 4, it is apparent that the core of the hydrocarbon plume follows the axial thick of the sand body. This is strong evidence that the sandy interval forms a preferential pathway for groundwater flow and hydrocarbon migration in the site vicinity.

The depth to the base of this permeable interval appears to increase slightly from east to west across the site area, although this variation may simply be due to differences in ground-level elevations, which have not been surveyed. Beneath 13th Avenue, the depth ranges from less than 15 feet at SB5 to 21.5 feet in borings along the east side of the street. Beneath the site, the depth ranges from about 21 feet at MW-1 to about 28 feet at MW-3, although these are approximate because samples were collected only at 5-foot intervals. Lacking surface elevation data, it is not possible at this time to construct a structure contour map on the sand body to determine whether it slopes in any particular direction, but AEI constructed cross sections parallel and perpendicular to it (Figures 10 and 11 in their 2008 *Site Investigation Report and Pilot Test Workplan*). Those sections suggest that the sand body slopes to the east and west from MW-2 and to the south from MW-6 to SB-15.

WELL REDEVELOPMENT

The wells were redeveloped on December 6, 2013. A water level meter was used to measure the depth to the static water level, and then the surge-and-purge method was used to remove sediment from the casing and tighten the sand pack. Purged water was stored in a holding tank at the site.

MONITORING PROCEDURES

ESTC personnel visited the site on December 16, 2013 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. ESTC followed the same sampling protocol that AEI had used in its last monitoring event in April 2008, which did not include samples for analysis of TPH-diesel. Hence, no diesel results are included in this report.

RESULTS

DEPTH TO GROUNDWATER AND GROUNDWATER GRADIENT

The depth to groundwater on December 16 ranged from 18.7 to 20.4 feet below surface grade (Table 2). As Table 1 shows, this is 2 feet deeper in MW-1, MW-2, and MW-3 than has previously been measured since the site was first monitored in 1994. The static water level was below the top of the screened interval in all seven wells.

The depth data were converted to elevation by subtracting from the elevation of the top of the well casings, as previously measured by AEI. However, AEI did not upload or report survey data for MW-7, so the elevation of the water table in this well has not been determined. The elevation data are contoured in Figure 6. The groundwater flow direction continues to be in a generally southerly direction, but may be slightly more to the southwest than previously observed. The lack of wells east and west of the site, and especially south (downgradient) of the site, makes the interpretation of the flow direction somewhat speculative.

ANALYTICAL RESULTS

The analytical results are shown in Table 2, and isoconcentration maps for TPHg and benzene are shown in Figures 7 and 8. As in the recent past, no gasoline hydrocarbons were detected in MW-3, which is the only well that is upgradient of the contaminant source. The TPHg concentration in MW-1 was only slightly higher than it was in October of 2003 (compare to Figure 3), and the concentration in MW-2 was less than 20% of its October 2003 value. This well has exhibited a slight tendency toward declining concentrations over the years, although the concentration reached a new peak of 38,000 ppb in January of 2008. Concentrations in MW-6 have declined steadily since this well was drilled in 2007, which suggests that the hydrocarbons have migrated downgradient (south) from this well over time. The concentrations in both MW-4 and MW-5 have fluctuated up and down over that same period, but were lower in December 2013 than at any previous time.

CONCLUSIONS

ESTC is continuing to review the case file prepared by AEI and study the remedial proposals that were prepared for Mr. Williamson. After Mr. Sumner has studied this report, ESTC intends to discuss those proposed activities with him, as well as other remedial options that are available, before proceeding with additional work. Clearly, additional off-site investigation is needed to fully assess the extent of the dissolved-phase plume, and remedial testing is needed to determine what methods are viable. In addition, the locations of the remedial wells that were previously proposed by AEI need to be reviewed in light of the sand-body isopach map constructed by ESTC. We anticipate submitting a revised Action Plan by April 1, 2014.

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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February 10, 2014

A P P E N D I X "A"

TABLES

ENVIRO SOIL TECH CONSULTANTS

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February 10, 2014

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
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
7/09/04★				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

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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
7/02/07★	MW-2 (196.44)	36	16-36	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
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
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

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
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
12/16/13	MW-7			19.49	NA	No sheen Strong petroleum odor	21000	NA	7200	ND <50	280	164	ND <50	ND <50	2100	ND <50	None Detected

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

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
***** 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)

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
12/16/13	MW-1 (197.28)	25	12-25	19.04	178.24	No sheen Petroleum odor	110	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
12/16/13	MW-2 198.93)	36	16-36	18.72	180.21	No sheen Petroleum odor	3600	160	20	120	129	20	ND <1.3	ND <25	ND <1.3	Carbon Disulfide 1.3 Isopropylbenzene 10 Propylbenzene 25 1,3,5-Trimethylbenzene 13 tert-Butylbenzene 1.3 1,2,4-Trimethylbenzene 53 sec-Butylbezene 5.4 para-Isopropyl Toluene 3.4 n-Butylbenzene 22 Naphthalene 23
12/16/13	MW-3 (201.46)	36.5	15.5-36	19.20	182.26	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.6	ND <10	0.9	cis-1,2-DCE 1.0
12/16/13	MW-4 (200.23)	22	17-22	20.44	179.79	No sheen Petroleum odor	4200	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
12/16/13	MW-5 (198.52)	22	17-22	18.65	179.87	No sheen Petroleum odor	1300	240	ND <2.5	5.7	ND <2.5	86	ND <2.5	460	ND <2.5	1,2-Dichloroethane 2.5
12/16/13	MW-6 (200.20)	22	17-22	19.60	180.60	No sheen Petroleum odor	1400[D]	100	1.9	9.0	5.0	170	ND <1.7	110	ND <1.7	Isopropylbenzene 7.1 Propylbenzene 13 1,3,5-Trimethylbenzene 7.4 sec-Butylbenzene 2.1 para-Isopropyl Toluene 1.1 Naphthalene 14
12/16/13	MW-7			19.49	NA	No sheen Strong petroleum odor	21000	7200	ND <50	280	164	ND <50	ND <50	2100	ND <50	None Detected

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

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
TBA - tert-Butanol
PCE - Tetrachloroethylene
GW Elev. - Groundwater Elevation
♦ Well screens are not submerged
NA - Not Analyzed
TPHd - Total Petroleum Hydrocarbons as diesel
MTBE - Methyl Tertiary Butyl Ether
cis-1,2-DCE - cis-1,2-Dichloroethene
TCE - Trichloroethylene
Perf. - Perforation
◊ Well screens are submerged
ND - Not Detected (Below Laboratory Detection Limit)
[D] Sample exhibits chromatographic pattern which does not resemble standard

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

File No. 3-13-855-SC
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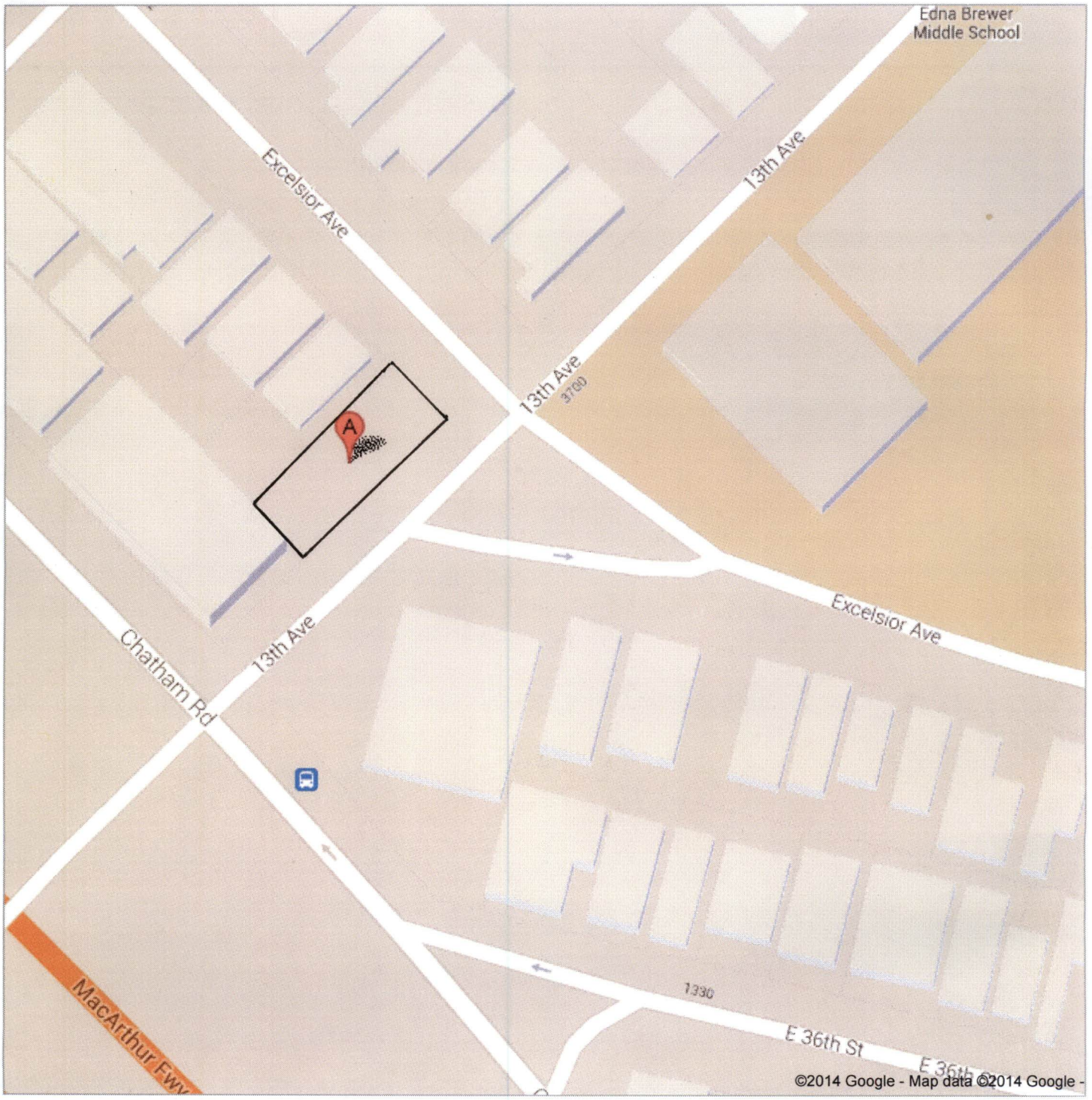
A P P E N D I X "B"

FIGURES

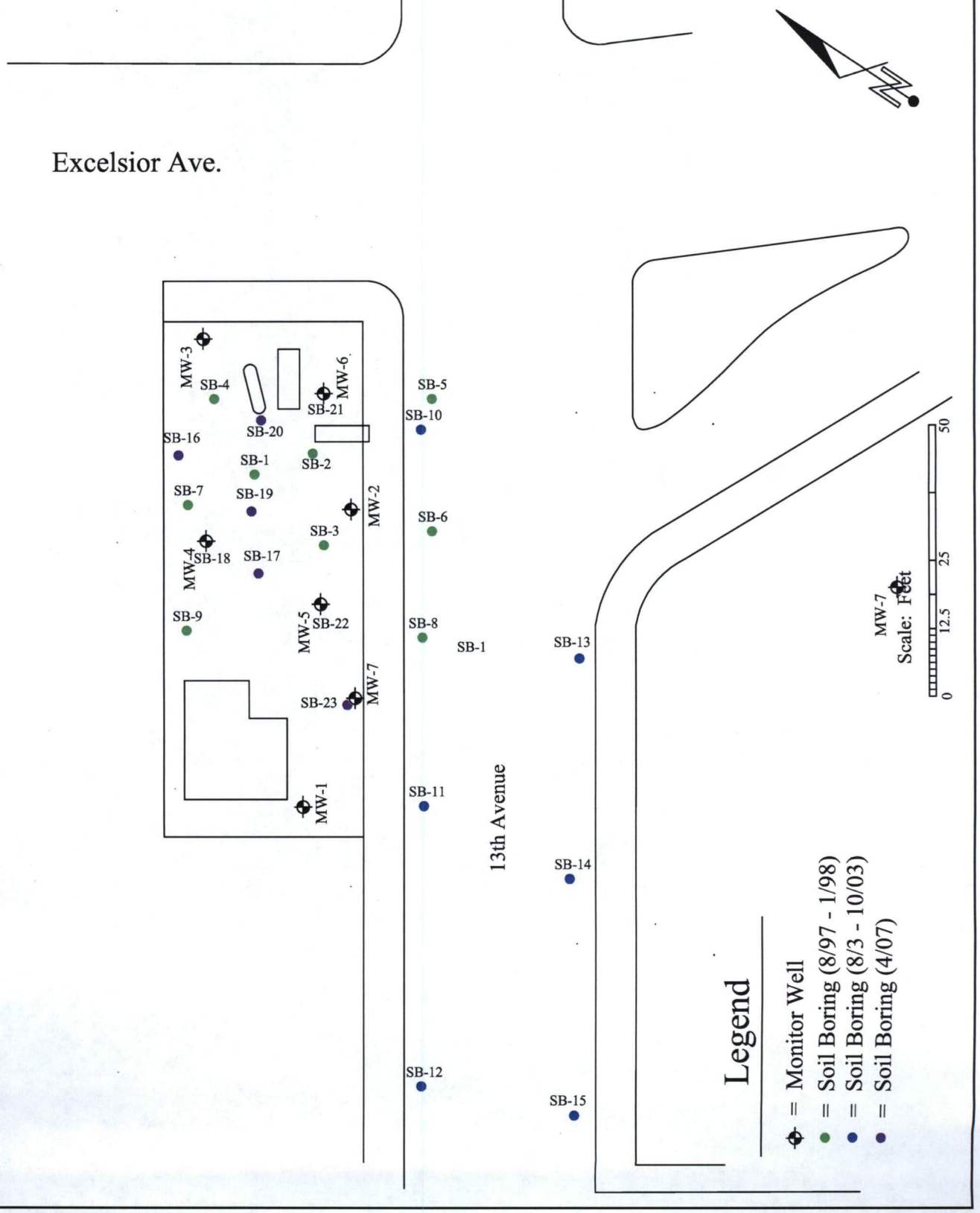
ENVIRO SOIL TECH CONSULTANTS



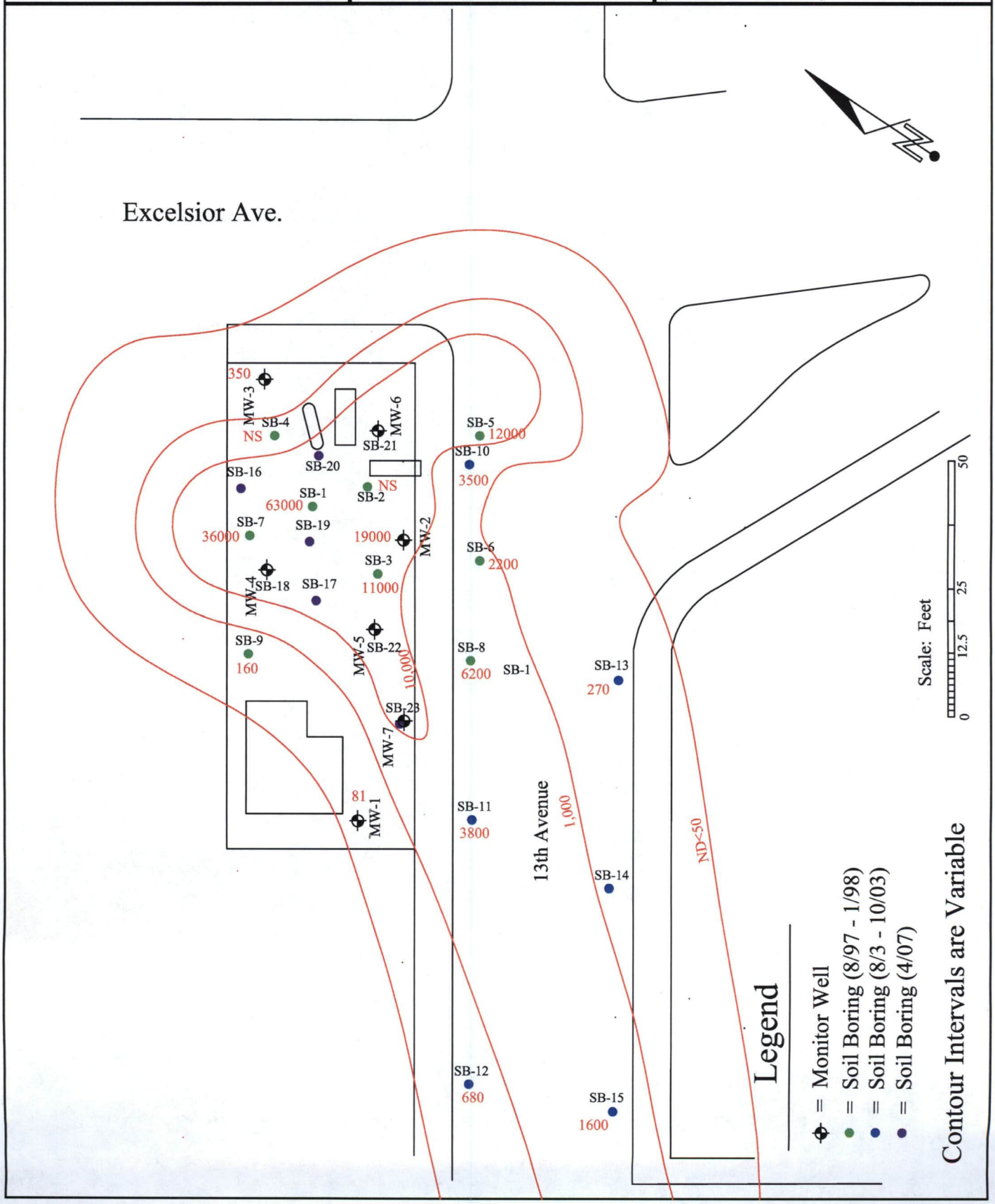
3635 13TH AVENUE, OAKLAND, CA

ENVIRO SOIL TECH CONSULTANTS

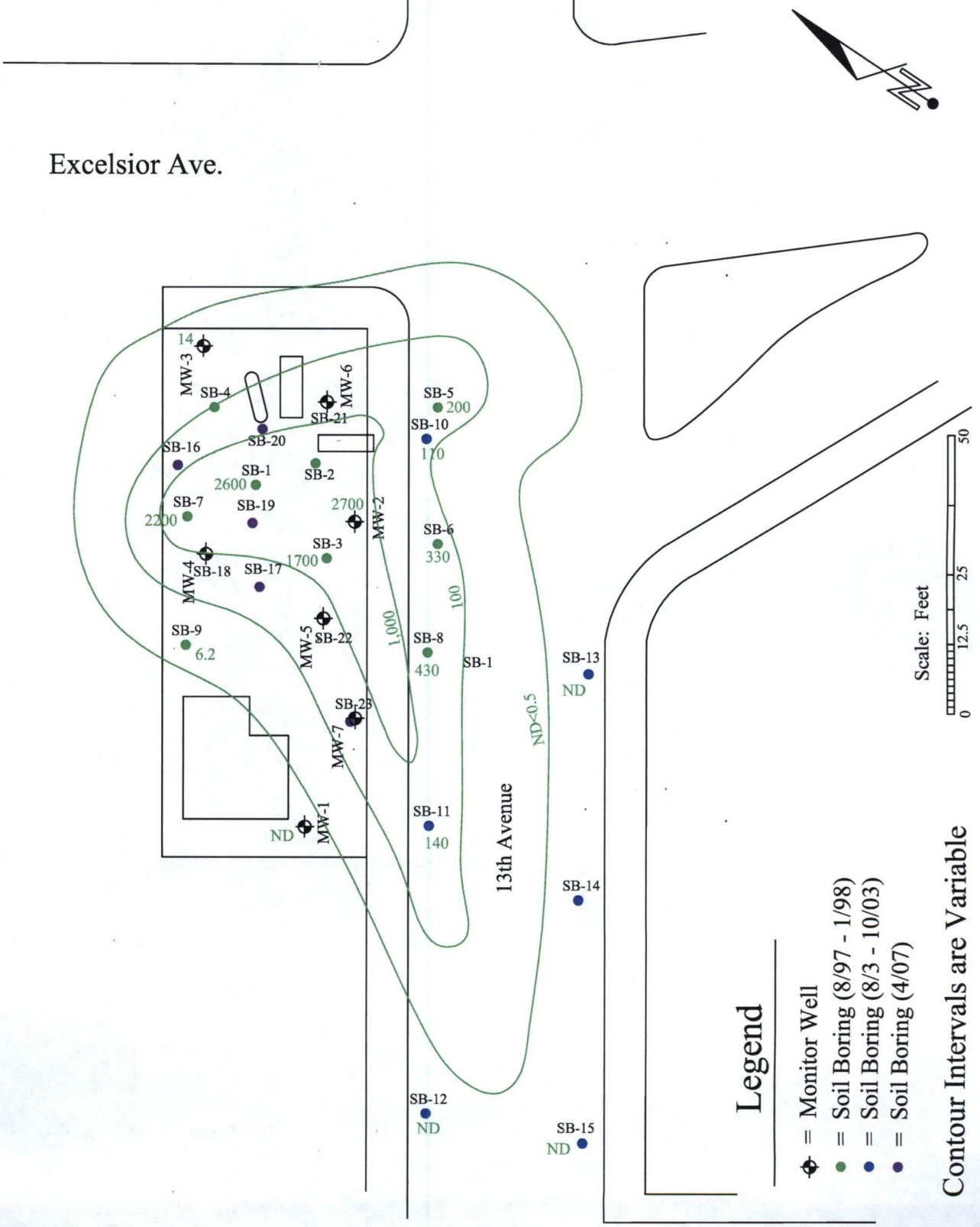
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/6/2014	Figure 2 Site Map



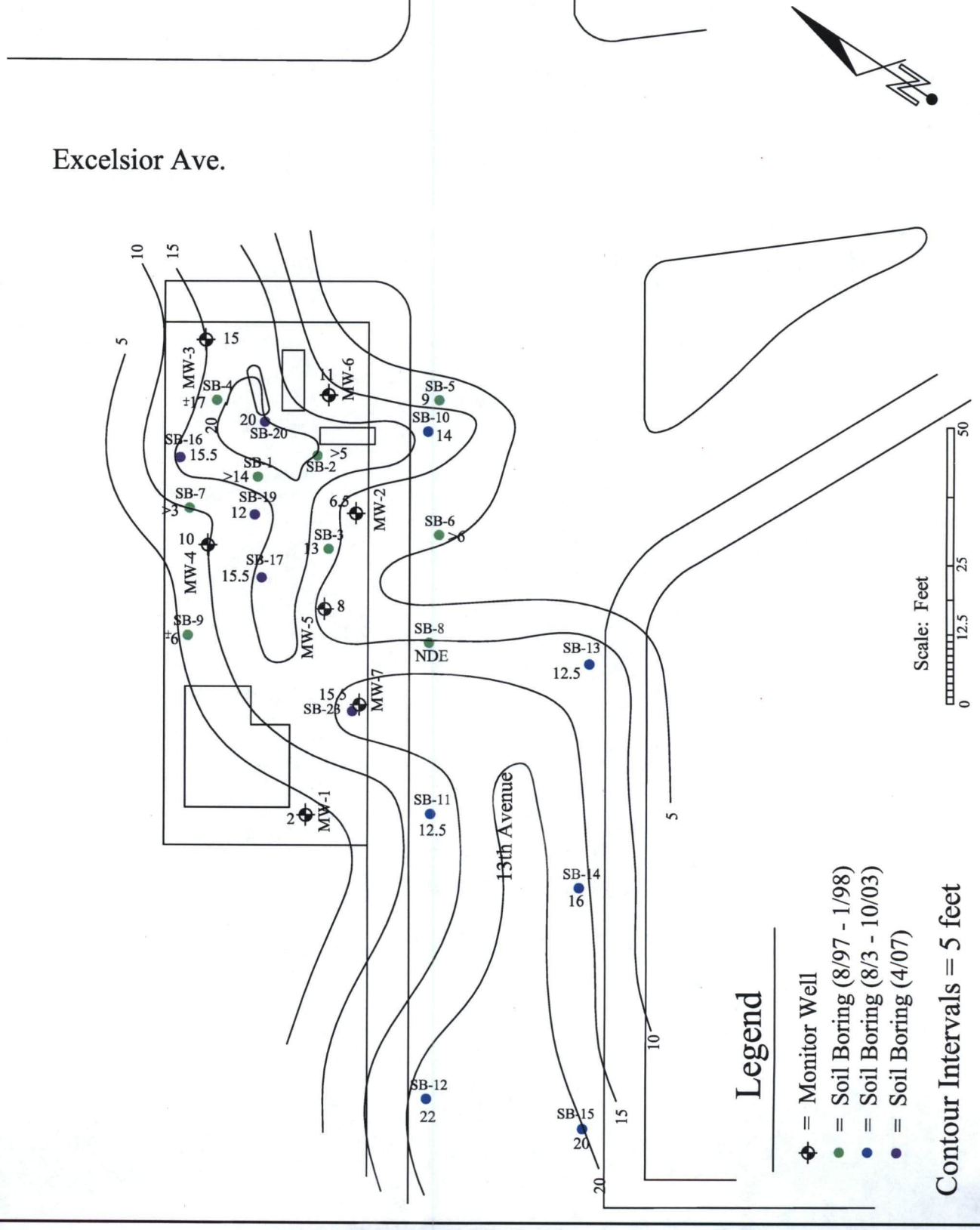
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/10/2014	Figure 3 TPH-g Results 1/98 (SB-1 to SB-9). 10/03 (SB-10 to SB-15) & MW-1, 2 & 3



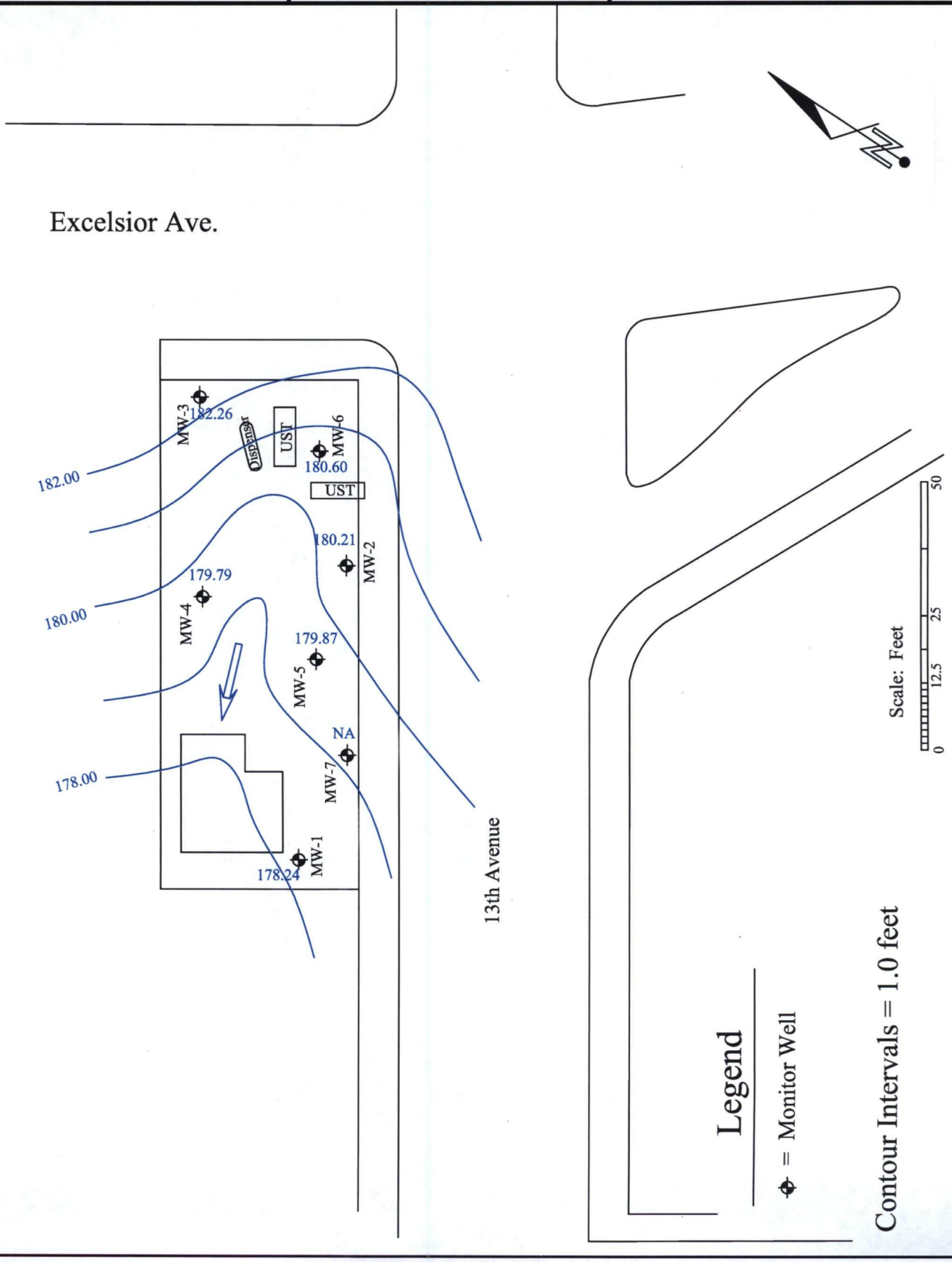
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/10/2014	Figure 4 Benzene Results 1/98 (SB-1 to SB-9). 10/03 (SB-10 to SB-15) & MW-1, 2 & 3



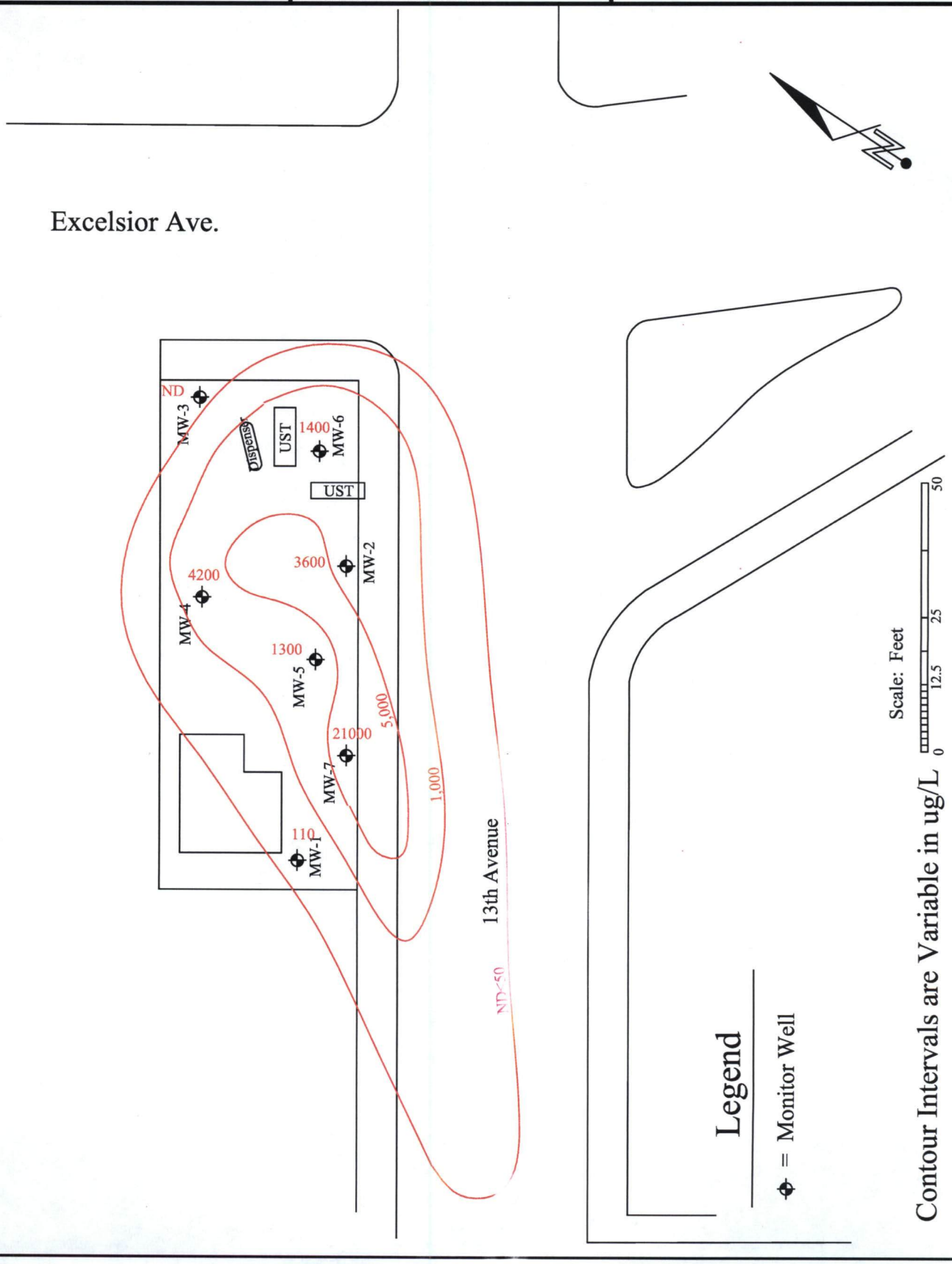
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/18/2014	Figure 5 Isopach of Impacted Sand Layer



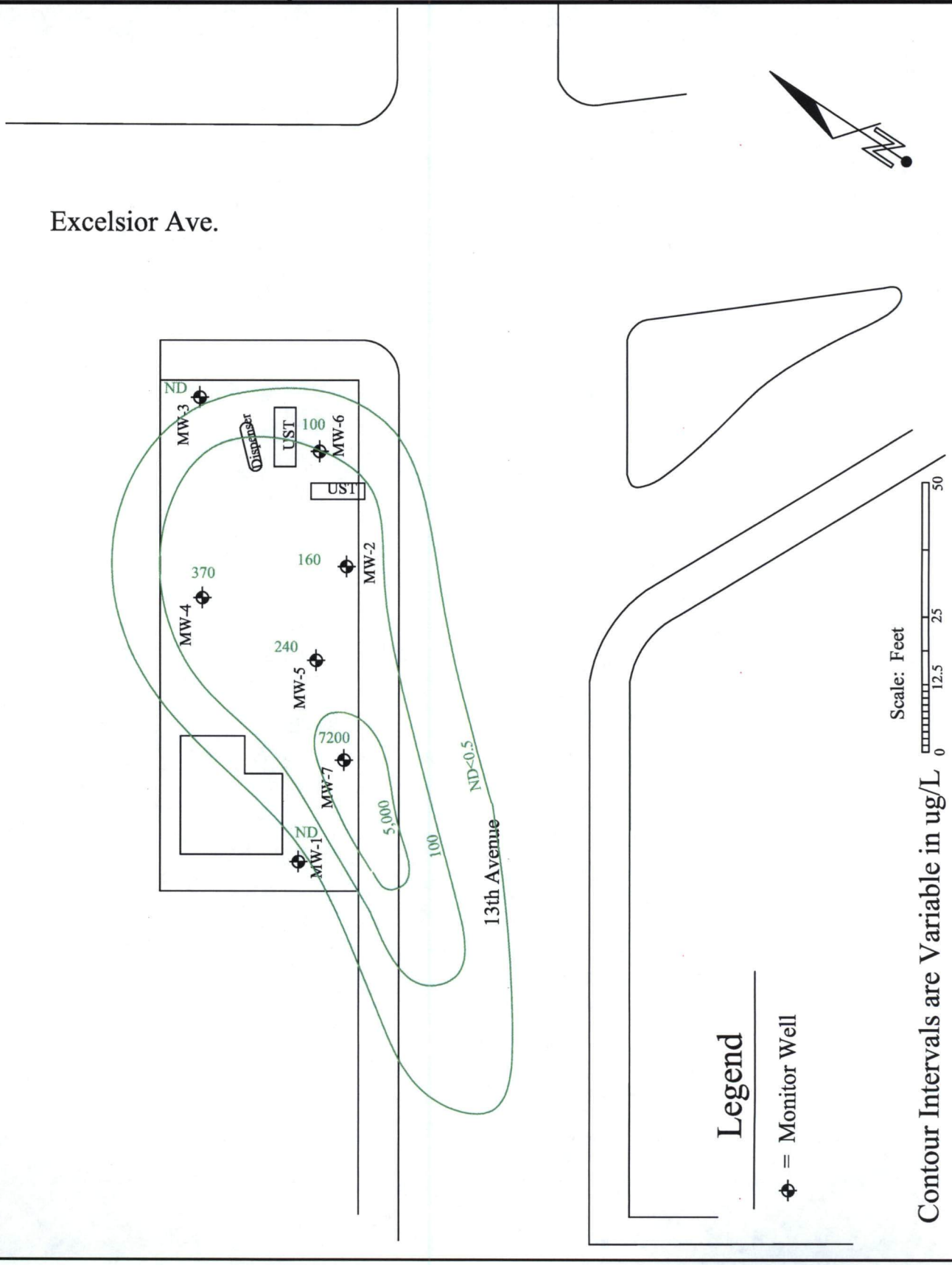
Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/20/2014	Figure 6 Groundwater Gradient December 16, 2013



Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/12/2014	Figure 7 TPH-g in Groundwater December 16, 2013



Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 3635 13th Avenue Oakland, California PROJECT # 3-13-855-SC DATE: 2/20/2014	Figure 8 Benzene in Groundwater December 16, 2013



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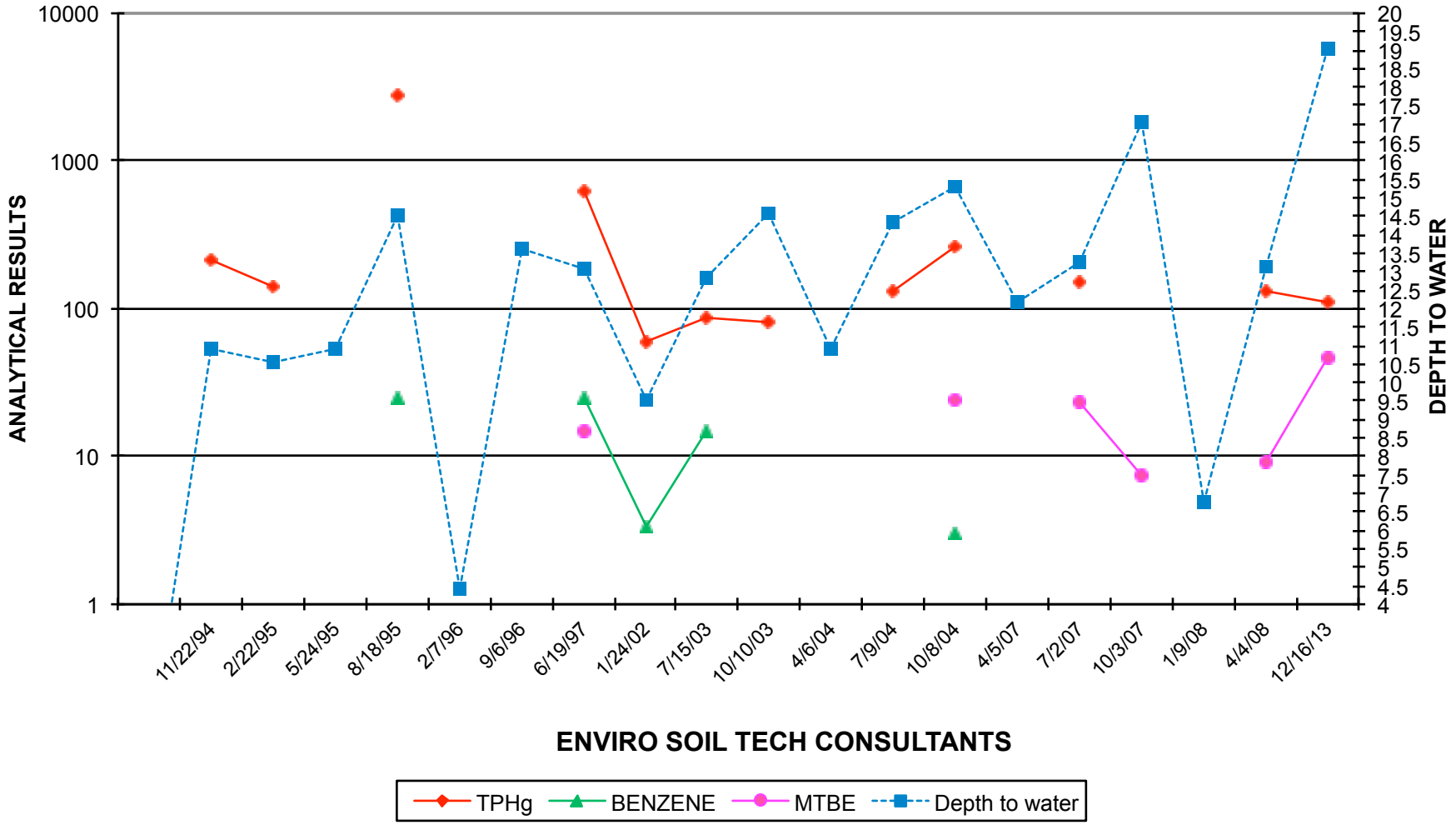
A P P E N D I X "C"

HYDROGRAPHS

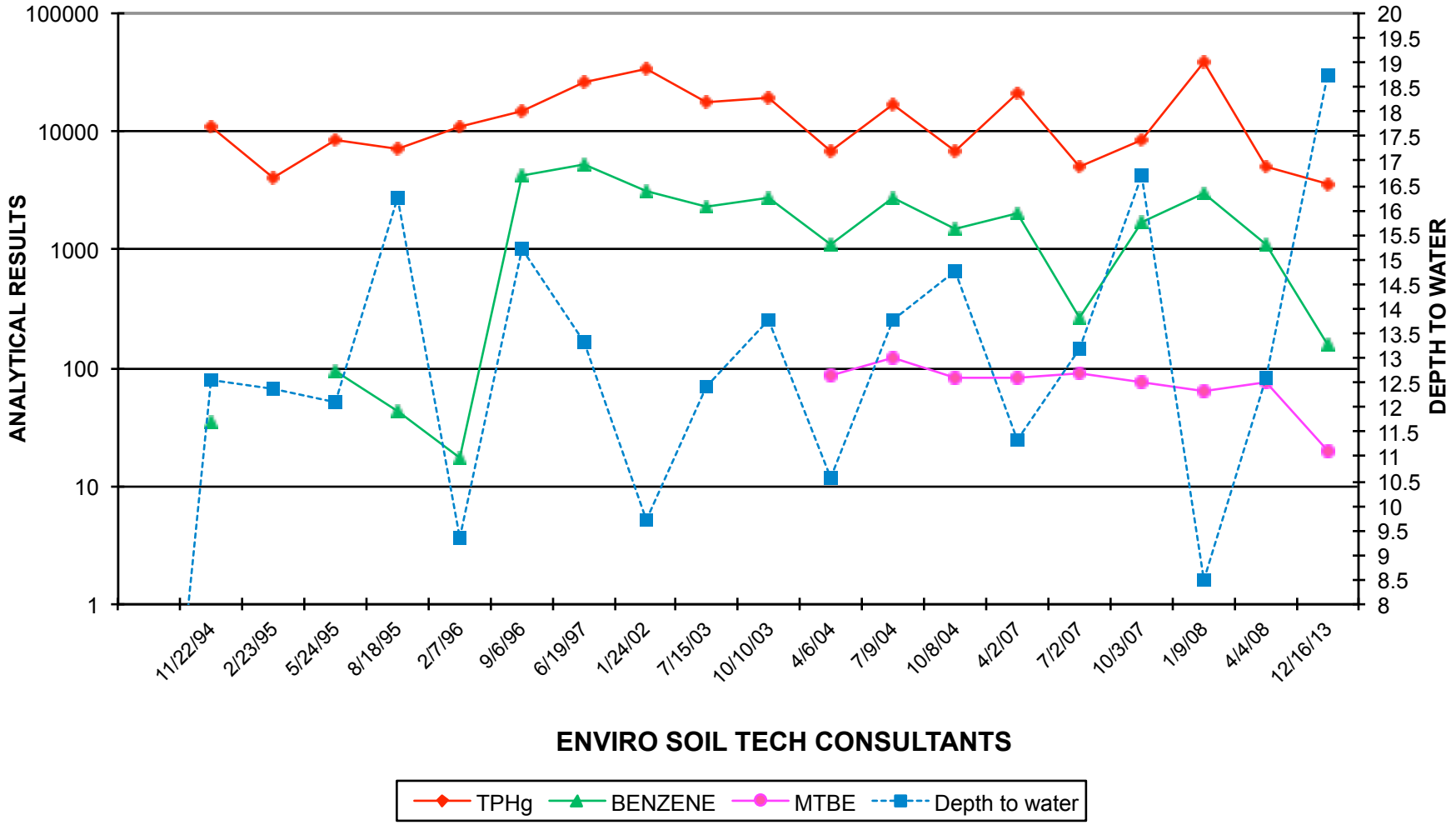
ENVIRO SOIL TECH CONSULTANTS

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



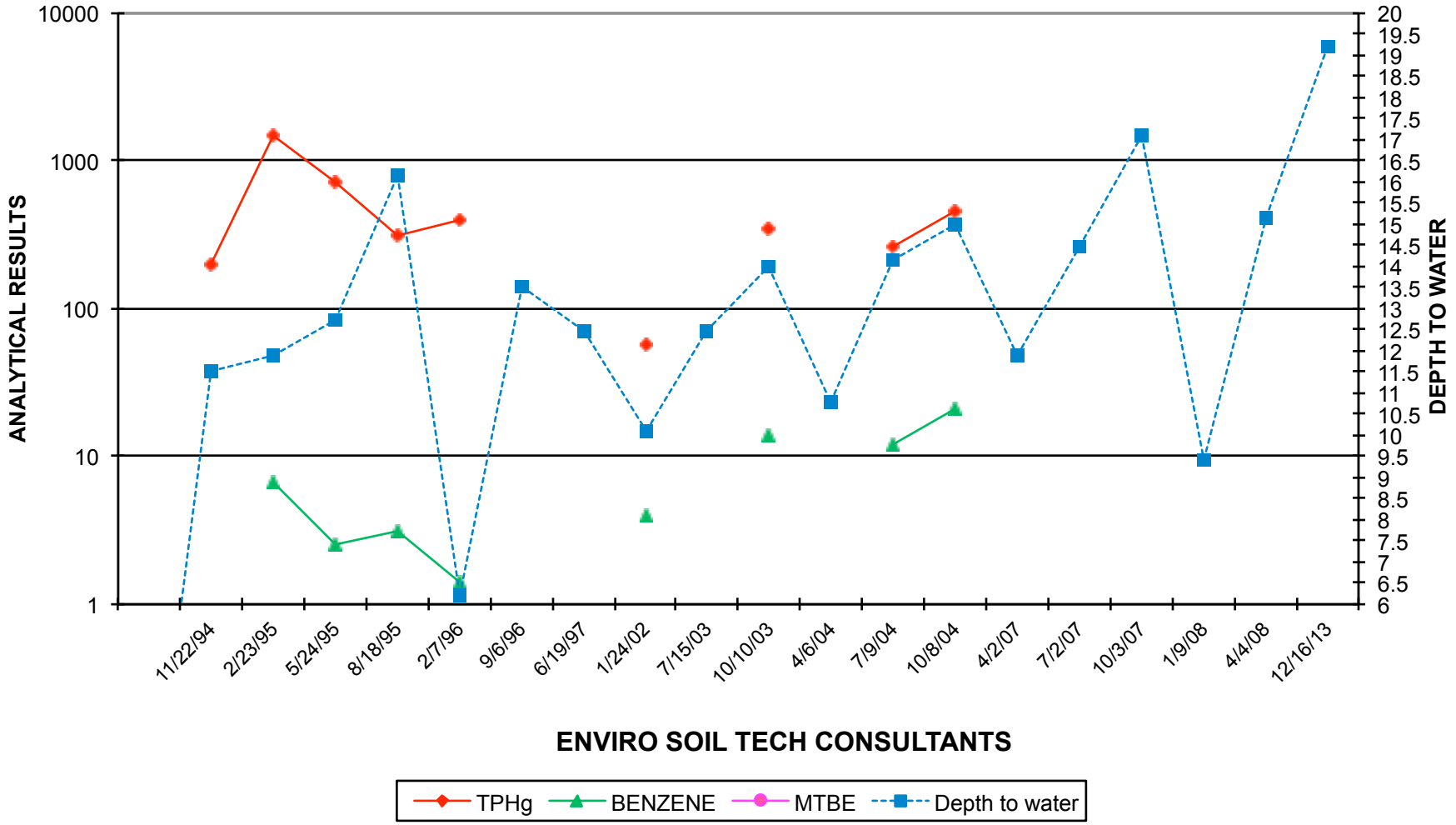
ENVIRO SOIL TECH CONSULTANTS

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



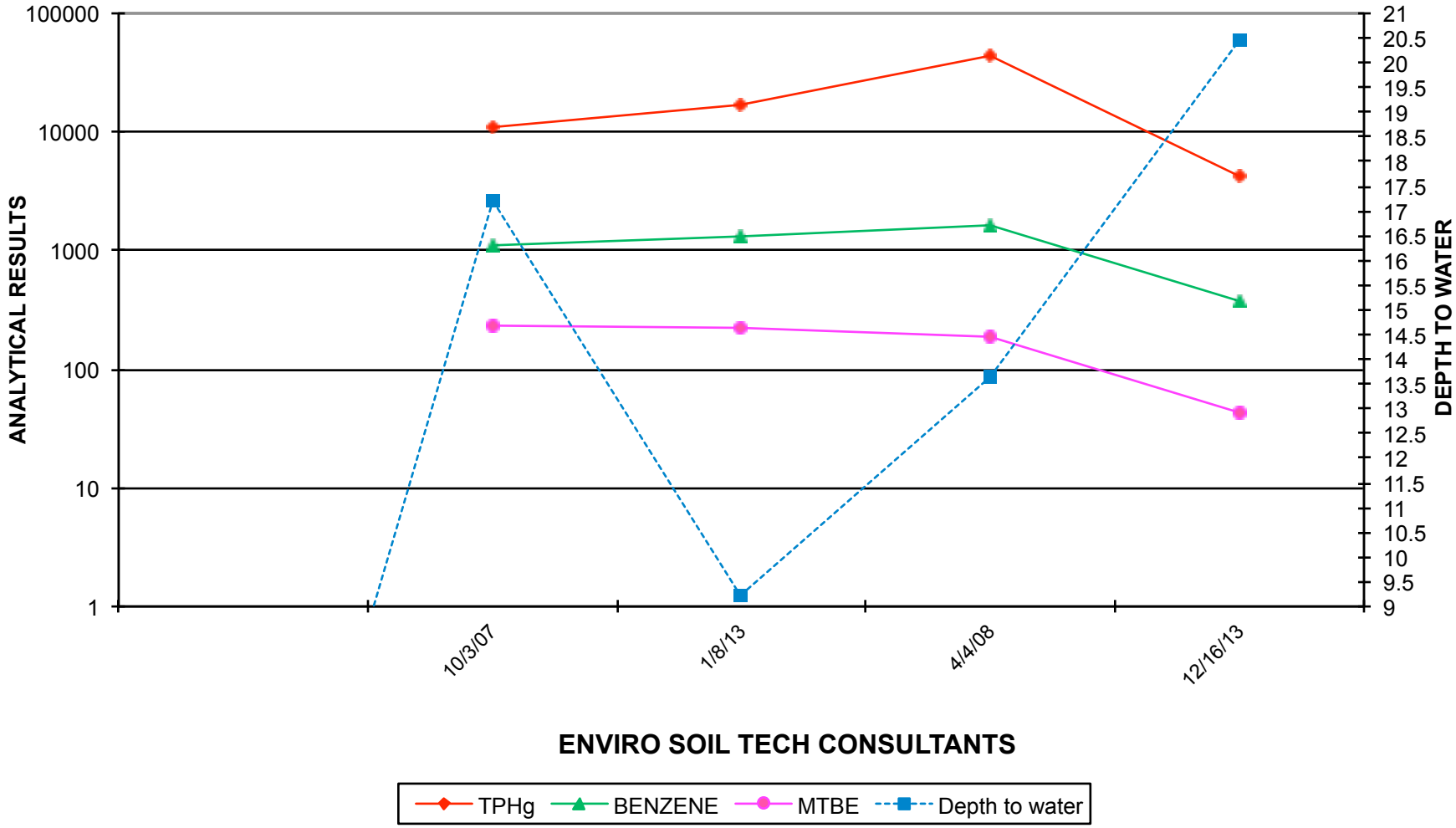
ENVIRO SOIL TECH CONSULTANTS

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



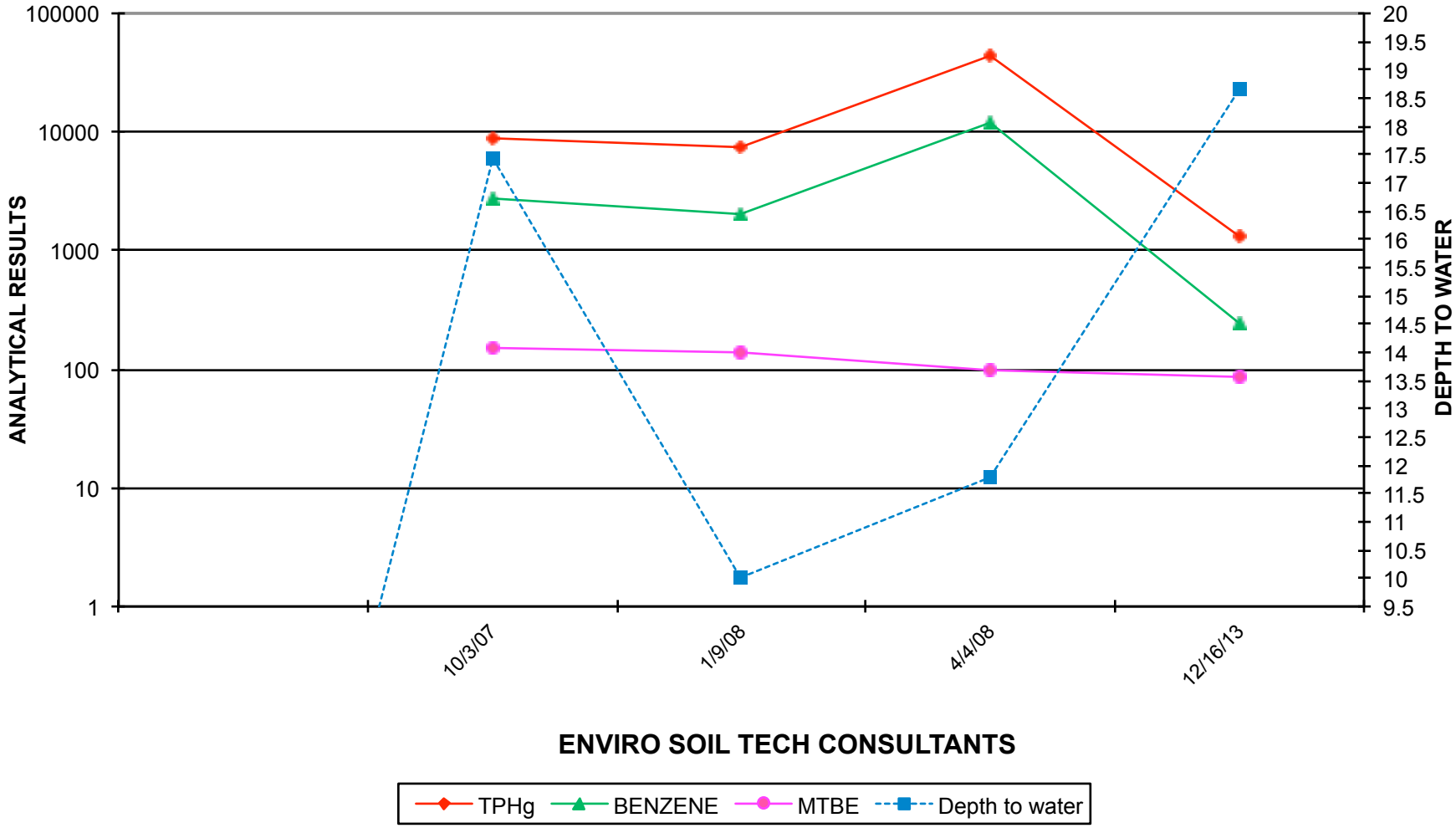
ENVIRO SOIL TECH CONSULTANTS

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



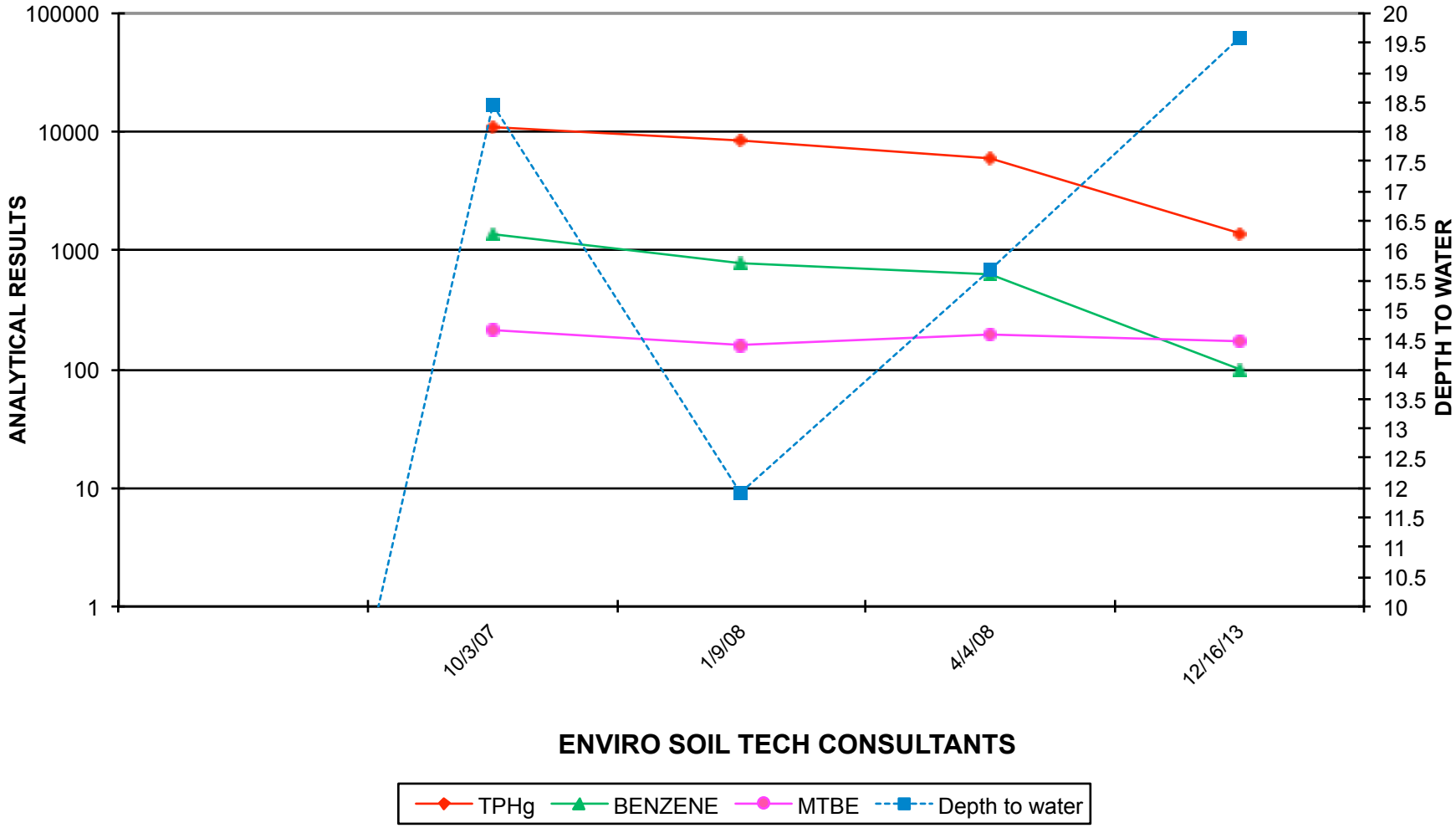
ENVIRO SOIL TECH CONSULTANTS

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



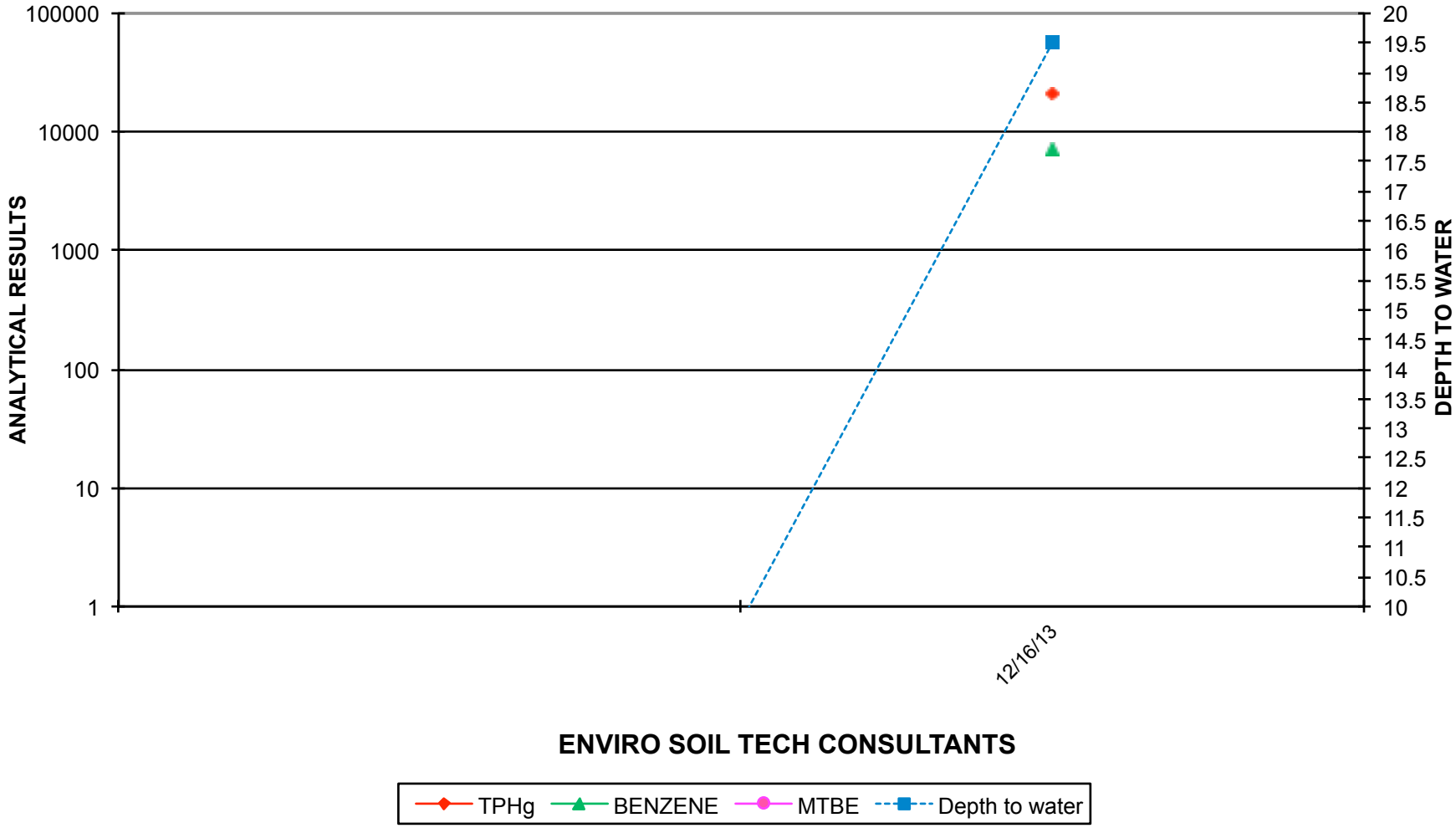
ENVIRO SOIL TECH CONSULTANTS

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
February 10, 2014

A P P E N D I X "D"

STANDARD OPERATION PROCEDURE

ENVIRO SOIL TECH CONSULTANTS

File No. 3-13-855-SC
February 10, 2014

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.

File No. 3-13-855-SC
February 10, 2014

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 **Fax: (408) 292-2116**

FILE NO.: 3-13-855-SC **WELL NO.:** MW-1

DATE: 12-16-13 **SAMPLER:** FRANK

DEPTH TO WELL: 25' **1 WELL VOLUME:** 0.97

DEPTH TO WATER: 19'0" 4/10 **5 WELL VOLUME:** 4.85

HEIGHT OF WATER COLUMN: 6 **ACTUAL PURGED VOLUME:** 5

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 × 5.96 = 0.97 × 5 = 4.85

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.
	1	6.91	18.63	2850
	2	6.95	18.71	2855
	3	6.93	18.69	2852
	4	6.93	18.68	2851
	5	6.92	18.70	2852

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 **Fax: (408) 292-2116**

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

DATE: 12-16-13 **SAMPLER:** FRANK

DEPTH TO WELL: 36' **1 WELL VOLUME:** 2.82

DEPTH TO WATER: 18' 7" 3/10 **5 WELL VOLUME:** 14.1

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 15

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 × 17.28 = 2.82 × 5 = 14.1

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.
	2	6.92	20.35	2350
	6	6.92	20.38	2353
	8	6.88	20.31	2347
	12	6.87	20.30	2343
	14	6.89	20.33	2349

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

FILE NO.: 3-13-855-SC
WELL NO.: MW-3
DATE: 12-16-13
SAMPLER: FRANK
DEPTH TO WELL: 36.5'
1 WELL VOLUME: 2.82
DEPTH TO WATER: 19'2" 0/10
5 WELL VOLUME: 14.1
HEIGHT OF WATER COLUMN: _____
ACTUAL PURGED VOLUME: 15 ✓

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 17.3 = 2.82 x 5 = 14.1
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	7.31	20.23	1461
	7	7.45	20.34	1473
	10	7.40	20.30	1470
	12	7.37	20.27	1465
	14	7.35	20.26	1463

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 **Fax: (408) 292-2116**

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

DATE: 12-16-13 **SAMPLER:** FRANK

DEPTH TO WELL: 22' **1 WELL VOLUME:** 0.25

DEPTH TO WATER: 20' 4" 4/10 **5 WELL VOLUME:** 1.25

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

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 1.56 = 0.25 + 5 = 1.25

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.
	1	7.12	19.44	2785
	2	7.15	19.47	2789
	3	7.17	19.48	2798
	4	7.17	19.48	2797
	5	7.16	19.45	2791

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Tel: (408) 297-1500 **Fax: (408) 292-2116**

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

DATE: 12-16-13 **SAMPLER:** FRANIC

DEPTH TO WELL: 22' **1 WELL VOLUME:** 0.55

DEPTH TO WATER: 18'6"5/10 **5 WELL VOLUME:** 2.75

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

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 3.35 = 0.55 x 5 = 2.75

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.
	1	6.70	19.92	3450
	2	6.73	19.96	3468
	3	6.74	19.97	3479
	4	6.71	20.01	3470
	5	6.71	20.02	3466

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Tel: (408) 297-1500 **Fax: (408) 292-2116**

FILE NO.: 3-13-855-SC **WELL NO.:** MW-6

DATE: 12-16-13 **SAMPLER:** FRANK

DEPTH TO WELL: 22' **1 WELL VOLUME:** 0.39

DEPTH TO WATER: 19'6" **5 WELL VOLUME:** 1.95

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

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 x 2.4 = 0.39 x 5 = 1.95

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.
	1	6.85	20.37	2638
	2	6.87	20.39	2647
	3	6.88	20.42	2654
	4	6.91	20.46	2666
	5	6.89	20.45	2663

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 **Fax: (408) 292-2116**

FILE NO.: 3-13-855-SC **WELL NO.:** MW-7

DATE: 12-16-13 **SAMPLER:** FRANK

DEPTH TO WELL: _____ **1 WELL VOLUME:** _____

DEPTH TO WATER: 19'4" 9/10 **5 WELL VOLUME:** _____

HEIGHT OF WATER COLUMN: _____ **ACTUAL PURGED VOLUME:** 15

CASING DIAMETER: _____ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 _____

4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: ✓ NO _____ YES, DESCRIBE: _____

ODOR: _____ NO ✓ YES, DESCRIBE: Strong Petro

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	1	6.82	18.75	3010
	2	6.87	18.80	3025
	3	6.89	18.83	3034
	4	6.85	18.86	3047
	5	6.84	18.84	3042

File No. 3-13-855-SC
February 10, 2014

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 251744
ANALYTICAL REPORT

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

Sample ID	Lab ID
MW-1	251744-001
MW-2	251744-002
MW-3	251744-003
MW-4	251744-004
MW-5	251744-005
MW-6	251744-006
MW-7	251744-007

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: Will Rice Date: 12/31/2013

Will S Rice
Project Manager
will.rice@ctberk.com

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**251744**
Client:	**Enviro Soil Tech Consultants**
Project:	**3-13-855-SC**
Location:	**3635 13th Ave., Oakland**
Request Date:	**12/17/13**
Samples Received:	**12/17/13**

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 12/17/13. The samples were received on ice and intact. Revised 12/31/13 to include TBA.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

High surrogate recovery was observed for bromofluorobenzene (FID) in MW-4 (lab # 251744-004). No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

High response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 12/25/13 11:21; affected data was qualified with "b". High recovery was observed for tert-butyl alcohol (TBA) in the BSD for batch 206516; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. MW-2 (lab # 251744-002) and MW-6 (lab # 251744-006) were analyzed with more than 1 mL of headspace in the VOA vial. No other analytical problems were encountered.

CHAIN OF CUSTODY RECORD 251744

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

SAMPLERS: (*Signature*) [signature]

NO.	DATE	TIME	SOIL	WATER	AIR	LOCATION	CONTAINER Vials	ANALYSES REQUESTED TPHg	EPA 8260B*					REMARKS
1	12/16/13	10:00		✓		MW-1	4	✓	✓					EDF#T0600100274
2		11:02		✓		MW-2	4	✓	✓					
3		12:01		✓		MW-3	4	✓	✓					
4		13:00		✓		MW-4	4	✓	✓					
5		14:03		✓		MW-5	4	✓	✓					*Full lists
6		15:02		✓		MW-6	4	✓	✓					
7	↓	16:00		✓		MW-7	4	✓	✓					
														Note: All vials are HCL preserved.

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)
[signature]	12/17/13 1309	[signature]	12/17/13 1309	[signature]	12/17/13 1647	Jamie Rankin
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 Frank Hamedi		

ENVIRO SOIL TECH CONSULTANTS
Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 251744 Date Received 12/17/13 Number of coolers 1

Client ENVIRO SOIL TECH Project ~~96-6031-ST~~ 3-13-855-S ~~899 N. 13th ST, SAN JOSE~~ 3635 35th AVE., OAKLAND

Date Opened 12/17/13 By (print) JR (sign) Jame Raika

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) ______

☐ 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
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)** N/A
    If YES, Who was called? ______ By ______ Date: 4.4

COMMENTS

#20) Received samp #-001 (1 of 4), -004 (1 of 4), & -005 (2 of 4) w/bubbles ≥6 mm.

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	12/16/13
Units:	ug/L	Received:	12/17/13

Field ID:	MW-1	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206378
Lab ID:	251744-001	Analyzed:	12/19/13

Analyte	Result	RL
Gasoline C7-C12	110	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	77-128

Field ID:	MW-2	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206436
Lab ID:	251744-002	Analyzed:	12/20/13

Analyte	Result	RL
Gasoline C7-C12	3,600	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	77-128

Field ID:	MW-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206378
Lab ID:	251744-003	Analyzed:	12/19/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	77-128

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	12/16/13
Units:	ug/L	Received:	12/17/13

Field ID:	MW-4	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206436
Lab ID:	251744-004	Analyzed:	12/20/13

Analyte	Result	RL
Gasoline C7-C12	4,200	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	130 *	77-128

Field ID:	MW-5	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206378
Lab ID:	251744-005	Analyzed:	12/19/13

Analyte	Result	RL
Gasoline C7-C12	1,300	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	77-128

Field ID:	MW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	206436
Lab ID:	251744-006	Analyzed:	12/20/13

Analyte	Result	RL
Gasoline C7-C12	1,400 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	77-128

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	12/16/13
Units:	ug/L	Received:	12/17/13

Field ID:	MW-7	Diln Fac:	12.50
Type:	SAMPLE	Batch#:	206436
Lab ID:	251744-007	Analyzed:	12/21/13

Analyte	Result	RL
Gasoline C7-C12	21,000	630

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	111	77-128

Type:	BLANK	Batch#:	206378
Lab ID:	QC721397	Analyzed:	12/19/13
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	77-128

Type:	BLANK	Batch#:	206436
Lab ID:	QC721626	Analyzed:	12/20/13
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	82	77-128

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC721396	Batch#:	206378
Matrix:	Water	Analyzed:	12/19/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,048	105	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	77-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	206378
MSS Lab ID:	251679-002	Sampled:	12/16/13
Matrix:	Water	Received:	12/16/13
Units:	ug/L	Analyzed:	12/19/13
Diln Fac:	1.000		

Type: MS Lab ID: QC721398

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	14.00	2,000	1,964	97	74-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	77-128

Type: MSD Lab ID: QC721399

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,003	99	74-120	2	27

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	77-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC721625	Batch#:	206436
Matrix:	Water	Analyzed:	12/20/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	892.9	89	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	86	77-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	206436
MSS Lab ID:	251652-002	Sampled:	12/13/13
Matrix:	Water	Received:	12/13/13
Units:	ug/L	Analyzed:	12/20/13
Diln Fac:	1.000		

Type: MS Lab ID: QC721627

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	81.07	2,000	2,113	102	74-120

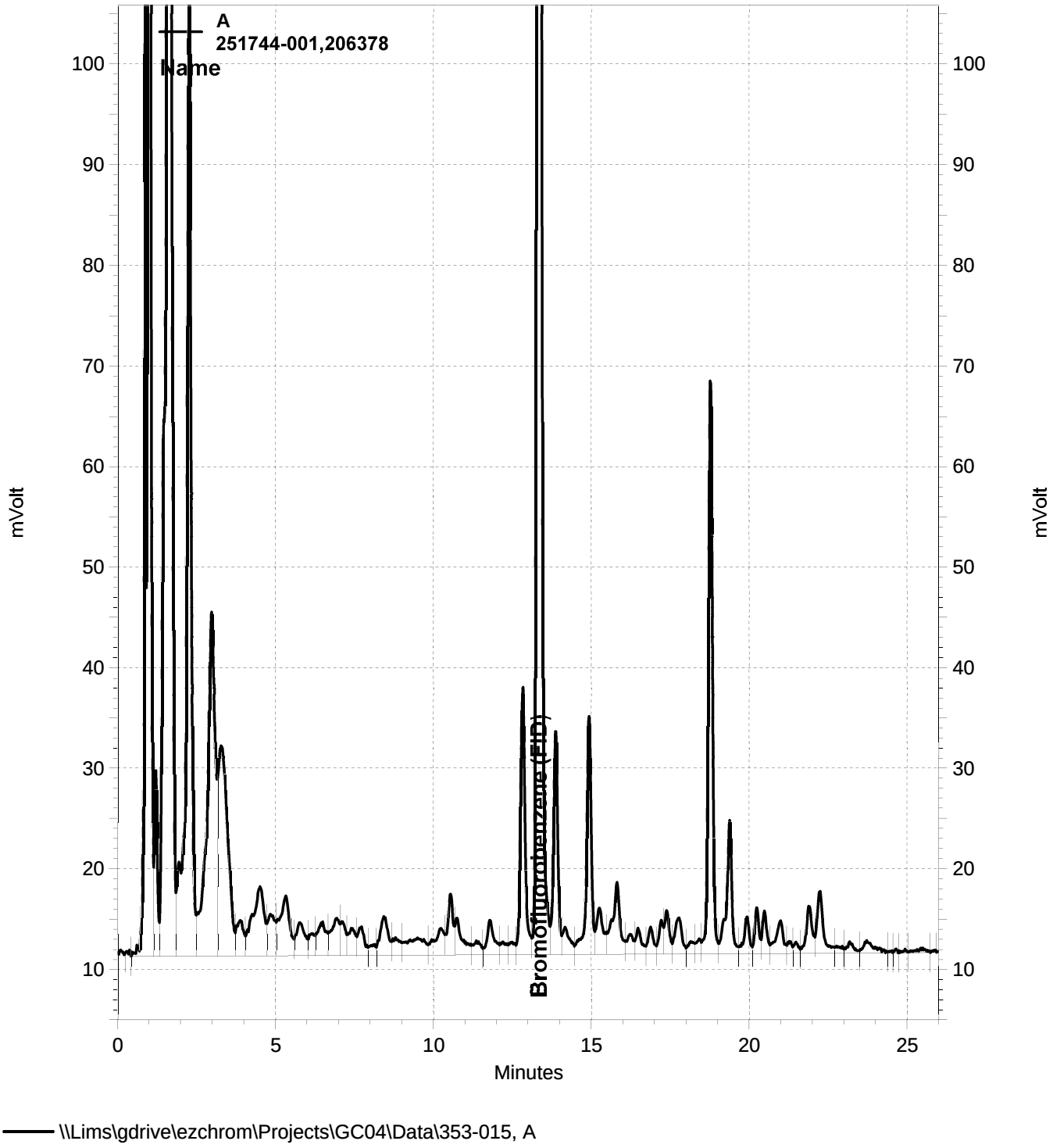
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	77-128

Type: MSD Lab ID: QC721628

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,039	98	74-120	4	27

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	108	77-128

RPD= Relative Percent Difference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251744-001,206378
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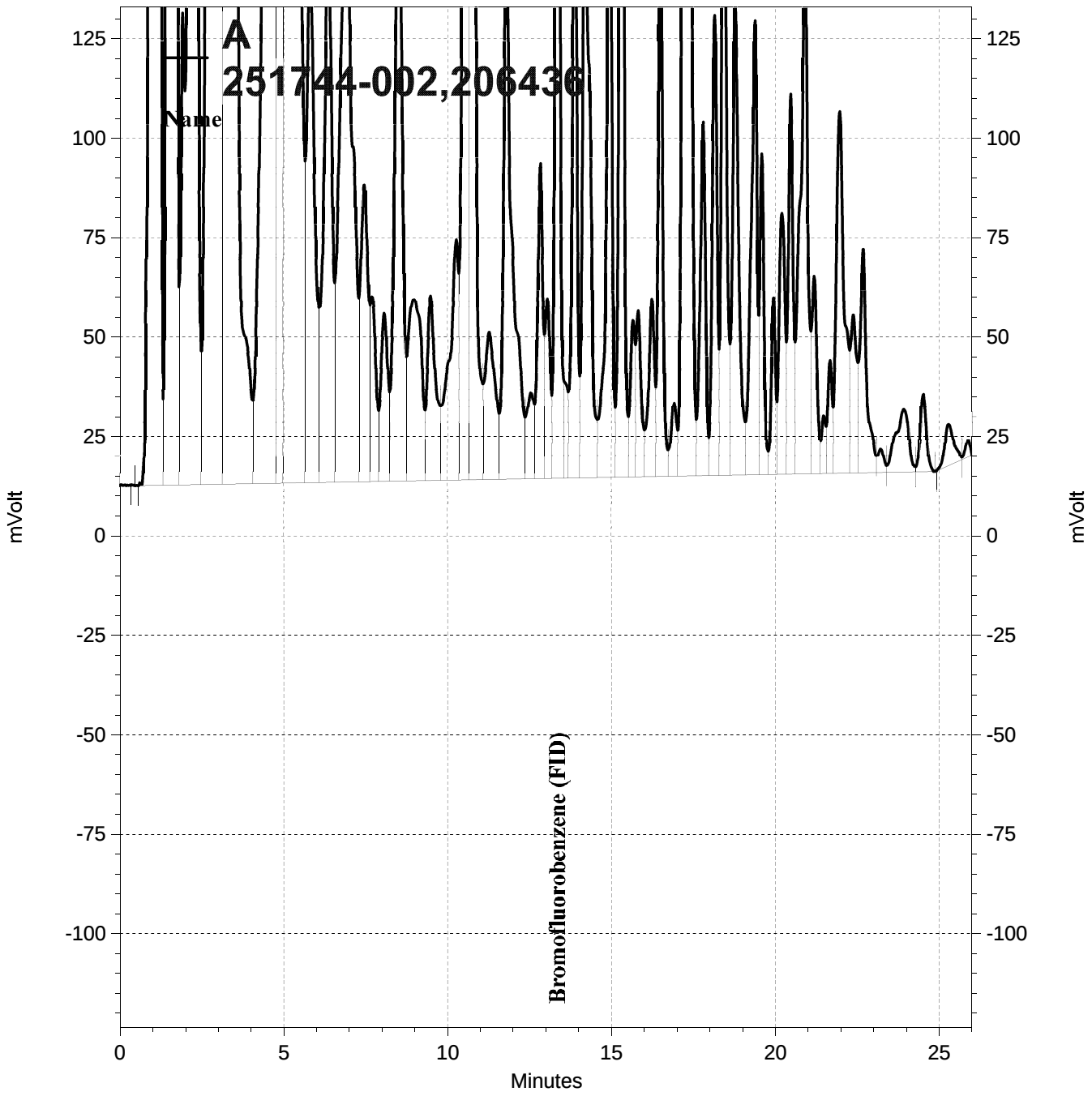

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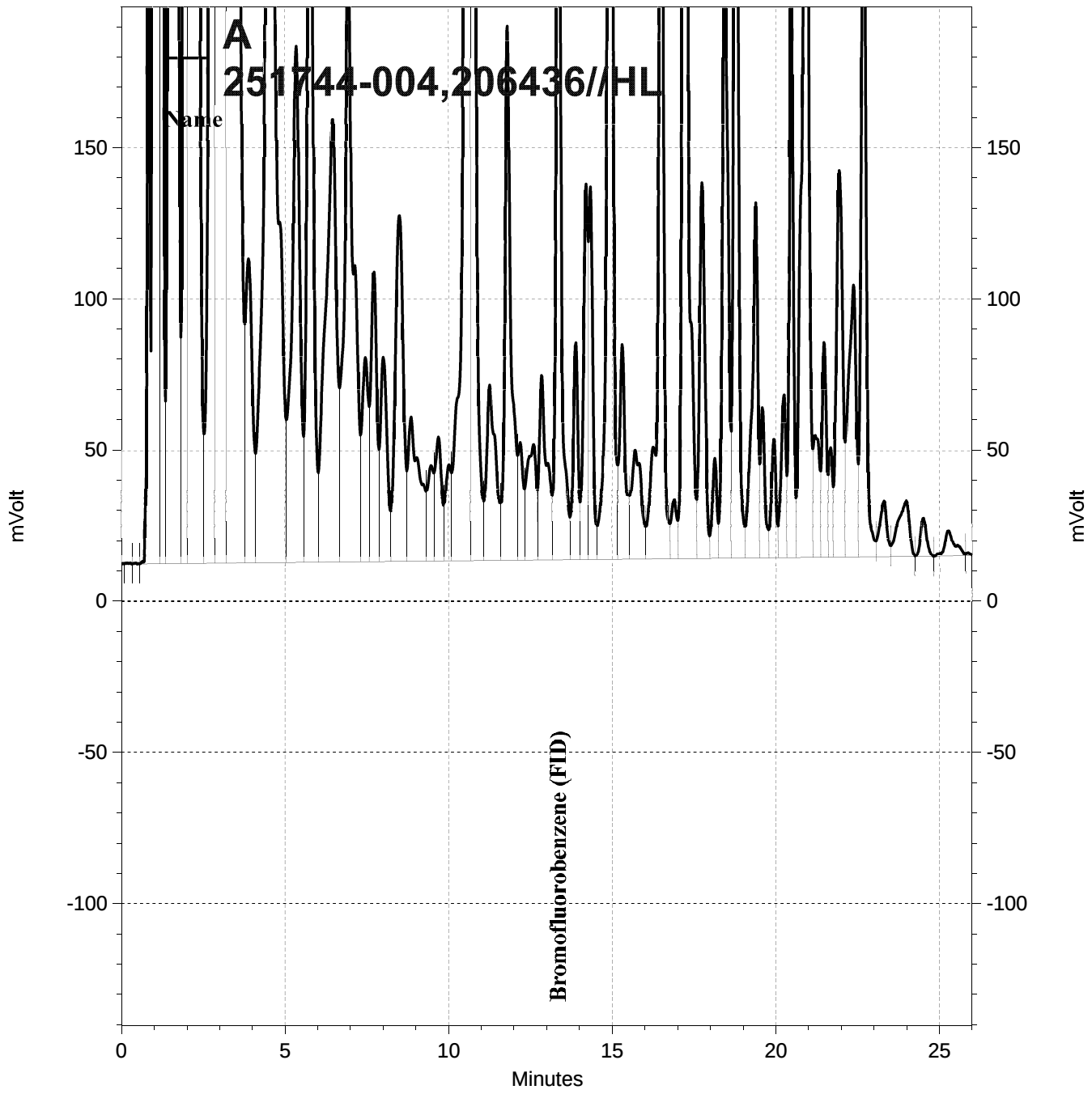

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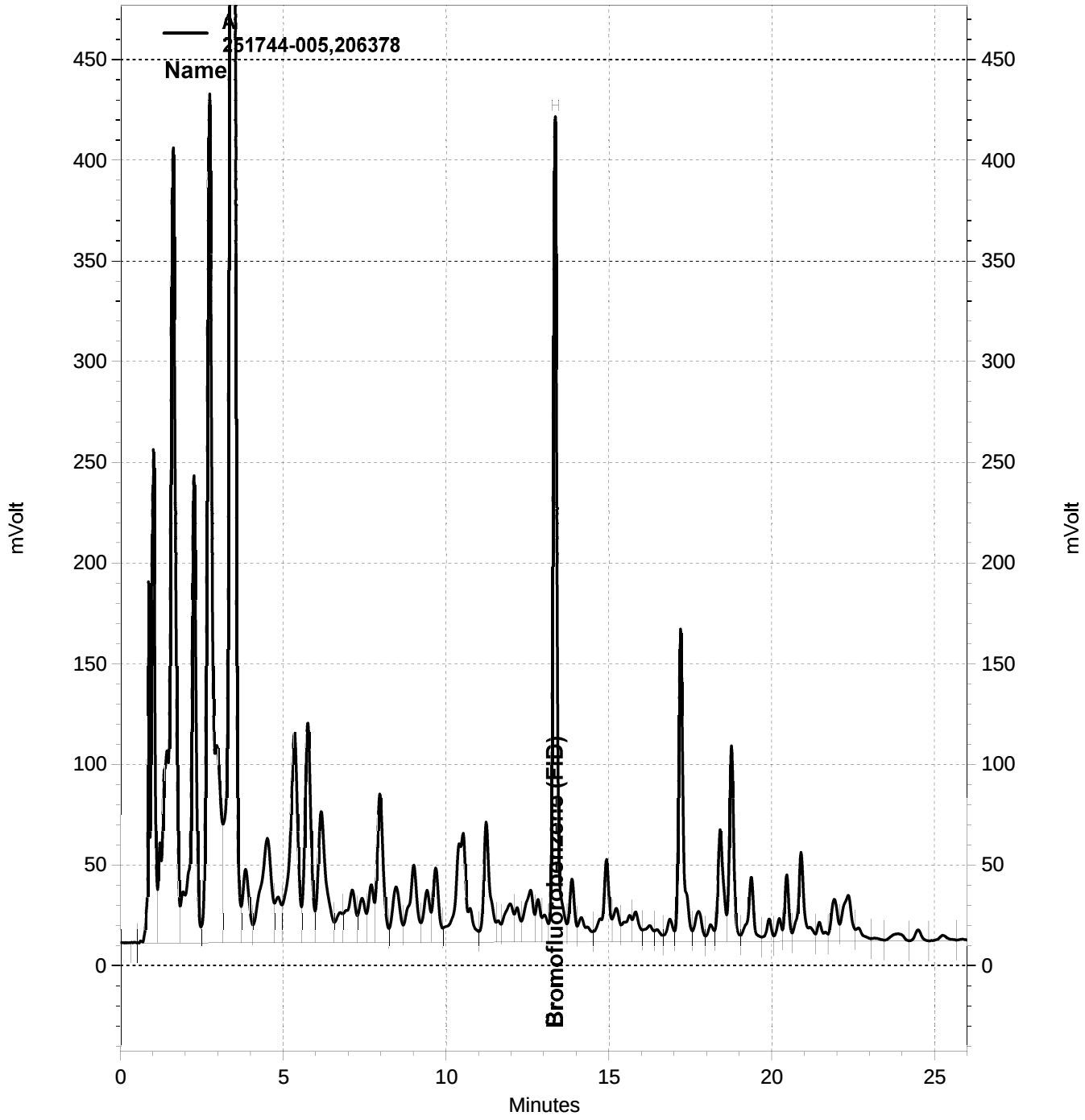

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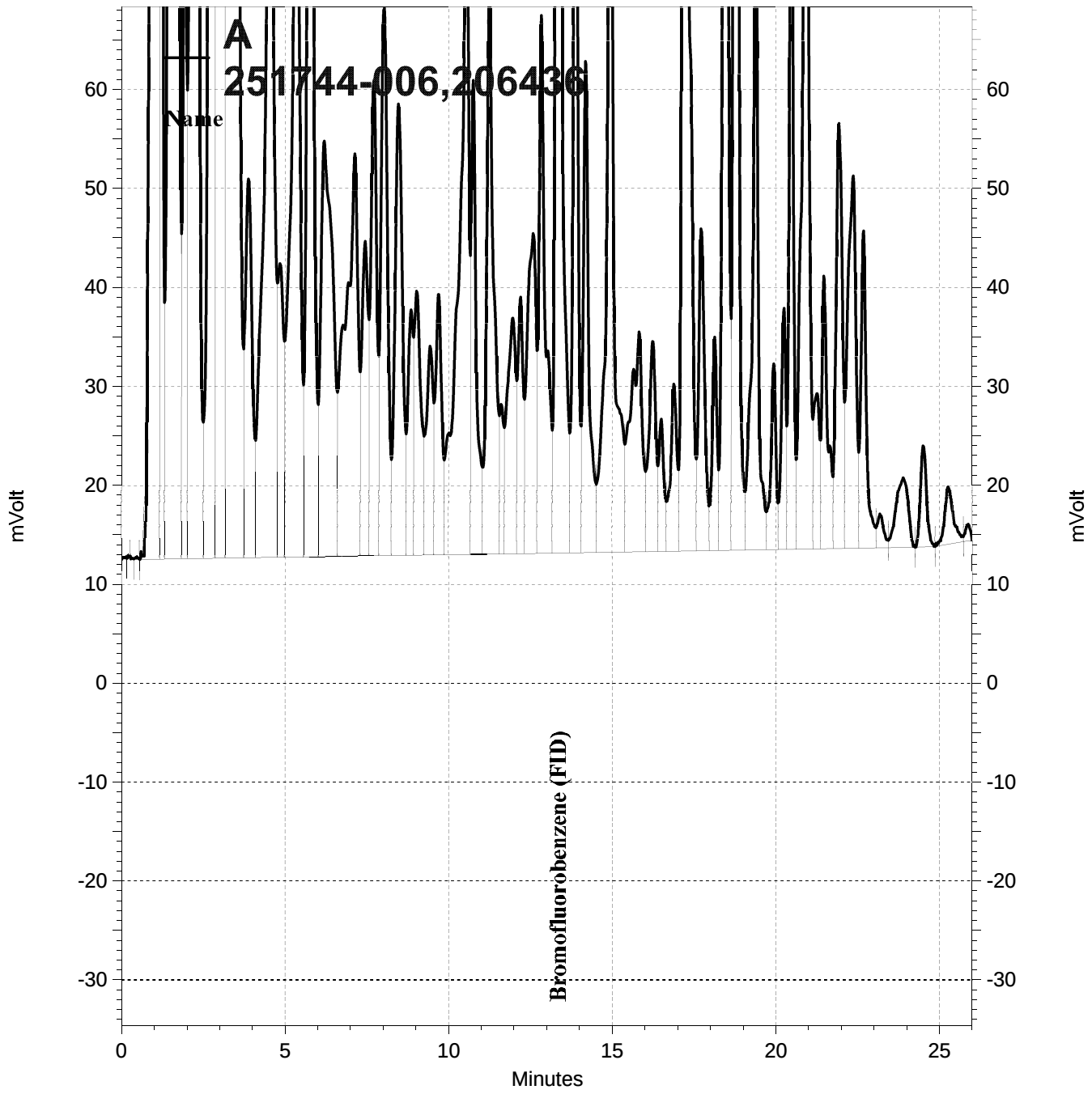

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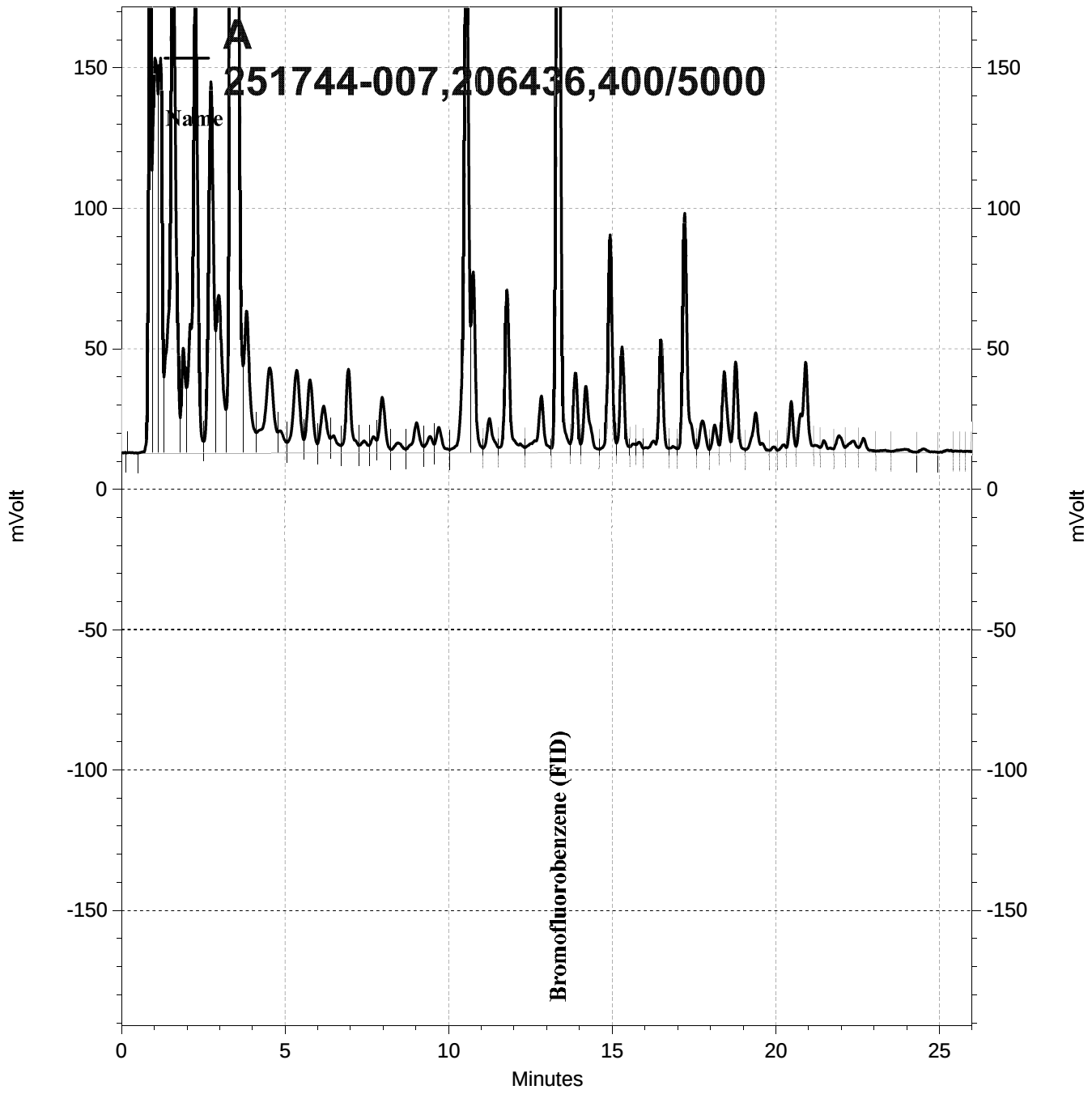

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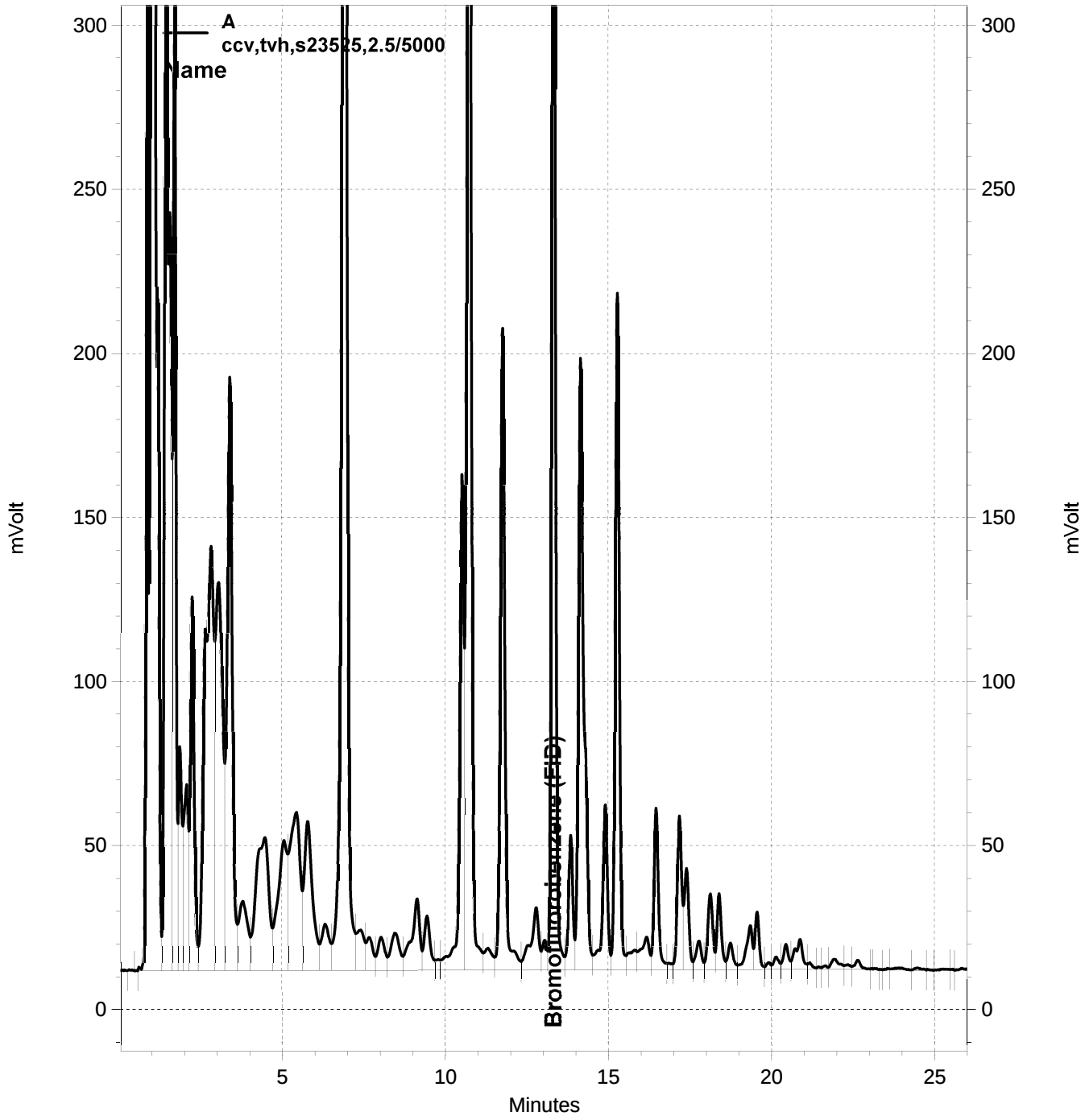
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Bromofluorobenzene (FID)
mVolt
mVolt
Minutes
300
250
200
150
100
50
0
5
10
15
20
25
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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	206516
Lab ID:	251744-001	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/25/13
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	46	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.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	206516
Lab ID:	251744-001	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/25/13
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	0.7	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	4.4	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	3.5	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	1.0	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	96	77-136
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-2	Diln Fac:	2.500
Lab ID:	251744-002	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	2.5	206516	12/25/13
Chloromethane	ND	2.5	206516	12/25/13
Vinyl Chloride	ND	1.3	206516	12/25/13
Bromomethane	ND	2.5	206516	12/25/13
Chloroethane	ND	2.5	206516	12/25/13
Trichlorofluoromethane	ND	2.5	206516	12/25/13
Acetone	ND	25	206516	12/25/13
Freon 113	ND	5.0	206516	12/25/13
1,1-Dichloroethene	ND	1.3	206516	12/25/13
Methylene Chloride	ND	25	206516	12/25/13
Carbon Disulfide	1.3	1.3	206516	12/25/13
MTBE	20	1.3	206516	12/25/13
trans-1,2-Dichloroethene	ND	1.3	206516	12/25/13
Vinyl Acetate	ND	25	206516	12/25/13
1,1-Dichloroethane	ND	1.3	206516	12/25/13
2-Butanone	ND	25	206516	12/25/13
cis-1,2-Dichloroethene	ND	1.3	206516	12/25/13
2,2-Dichloropropane	ND	1.3	206516	12/25/13
Chloroform	ND	1.3	206516	12/25/13
Bromochloromethane	ND	1.3	206516	12/25/13
1,1,1-Trichloroethane	ND	1.3	206516	12/25/13
1,1-Dichloropropene	ND	1.3	206516	12/25/13
Carbon Tetrachloride	ND	1.3	206516	12/25/13
1,2-Dichloroethane	ND	1.3	206516	12/25/13
Benzene	160	1.3	206516	12/25/13
Trichloroethene	ND	1.3	206516	12/25/13
1,2-Dichloropropane	ND	1.3	206516	12/25/13
Bromodichloromethane	ND	1.3	206516	12/25/13
Dibromomethane	ND	1.3	206516	12/25/13
4-Methyl-2-Pentanone	ND	25	206516	12/25/13
cis-1,3-Dichloropropene	ND	1.3	206516	12/25/13
Toluene	20	1.3	206516	12/25/13
trans-1,3-Dichloropropene	ND	1.3	206516	12/25/13
1,1,2-Trichloroethane	ND	1.3	206516	12/25/13
2-Hexanone	ND	25	206516	12/25/13
1,3-Dichloropropane	ND	1.3	206516	12/25/13
Tetrachloroethene	ND	1.3	206516	12/25/13
Dibromochloromethane	ND	1.3	206516	12/25/13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-2	Diln Fac:	2.500
Lab ID:	251744-002	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
1,2-Dibromoethane	ND	1.3	206516	12/25/13
Chlorobenzene	ND	1.3	206516	12/25/13
1,1,1,2-Tetrachloroethane	ND	1.3	206516	12/25/13
Ethylbenzene	120	1.3	206516	12/25/13
m,p-Xylenes	110	1.3	206516	12/25/13
o-Xylene	19	1.3	206516	12/25/13
Styrene	ND	1.3	206516	12/25/13
Bromoform	ND	2.5	206516	12/25/13
Isopropylbenzene	10	1.3	206516	12/25/13
1,1,2,2-Tetrachloroethane	ND	1.3	206516	12/25/13
1,2,3-Trichloropropane	ND	1.3	206516	12/25/13
Propylbenzene	25	1.3	206516	12/25/13
Bromobenzene	ND	1.3	206516	12/25/13
1,3,5-Trimethylbenzene	13	1.3	206516	12/25/13
2-Chlorotoluene	ND	1.3	206516	12/25/13
4-Chlorotoluene	ND	1.3	206516	12/25/13
tert-Butylbenzene	1.3	1.3	206516	12/25/13
1,2,4-Trimethylbenzene	53	1.3	206516	12/25/13
sec-Butylbenzene	5.4	1.3	206516	12/25/13
para-Isopropyl Toluene	3.4	1.3	206516	12/25/13
1,3-Dichlorobenzene	ND	1.3	206516	12/25/13
1,4-Dichlorobenzene	ND	1.3	206516	12/25/13
n-Butylbenzene	22	1.3	206516	12/25/13
1,2-Dichlorobenzene	ND	1.3	206516	12/25/13
1,2-Dibromo-3-Chloropropane	ND	5.0	206516	12/25/13
1,2,4-Trichlorobenzene	ND	1.3	206516	12/25/13
Hexachlorobutadiene	ND	5.0	206516	12/25/13
Naphthalene	23	5.0	206555	12/27/13
1,2,3-Trichlorobenzene	ND	1.3	206516	12/25/13
tert-Butyl Alcohol (TBA)	ND	25	206516	12/25/13

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	97	77-136	206516	12/25/13
1,2-Dichloroethane-d4	100	75-139	206516	12/25/13
Toluene-d8	98	80-120	206516	12/25/13
Bromofluorobenzene	99	80-120	206516	12/25/13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	206483
Lab ID:	251744-003	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
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	1.0	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	0.9	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	1.6	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	206483
Lab ID:	251744-003	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
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	109	77-136
1,2-Dichloroethane-d4	86	75-139
Toluene-d8	88	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	206555
Lab ID:	251744-004	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/26/13
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	43	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	370	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	26	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 #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	206555
Lab ID:	251744-004	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/26/13
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	130	3.1
m,p-Xylenes	77	3.1
o-Xylene	23	3.1
Styrene	ND	3.1
Bromoform	ND	6.3
Isopropylbenzene	7.2	3.1
1,1,2,2-Tetrachloroethane	ND	3.1
1,2,3-Trichloropropane	ND	3.1
Propylbenzene	8.0	3.1
Bromobenzene	ND	3.1
1,3,5-Trimethylbenzene	14	3.1
2-Chlorotoluene	ND	3.1
4-Chlorotoluene	ND	3.1
tert-Butylbenzene	ND	3.1
1,2,4-Trimethylbenzene	8.4	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	100	13
1,2,3-Trichlorobenzene	ND	3.1
tert-Butyl Alcohol (TBA)	ND	63

Surrogate	%REC	Limits
Dibromofluoromethane	103	77-136
1,2-Dichloroethane-d4	106	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	206483
Lab ID:	251744-005	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	86	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	2.5	2.5
Benzene	240	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	206483
Lab ID:	251744-005	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	5.7	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5
tert-Butyl Alcohol (TBA)	460	50

Surrogate	%REC	Limits
Dibromofluoromethane	110	77-136
1,2-Dichloroethane-d4	89	75-139
Toluene-d8	88	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-6	Units:	ug/L
Lab ID:	251744-006	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	2.0	2.000	206555	12/27/13
Chloromethane	ND	2.0	2.000	206555	12/27/13
Vinyl Chloride	ND	1.0	2.000	206555	12/27/13
Bromomethane	ND	2.0	2.000	206555	12/27/13
Chloroethane	ND	2.0	2.000	206555	12/27/13
Trichlorofluoromethane	ND	2.0	2.000	206555	12/27/13
Acetone	ND	20	2.000	206555	12/27/13
Freon 113	ND	4.0	2.000	206555	12/27/13
1,1-Dichloroethene	ND	1.0	2.000	206555	12/27/13
Methylene Chloride	ND	20	2.000	206555	12/27/13
Carbon Disulfide	ND	1.0	2.000	206555	12/27/13
MTBE	170	1.0	2.000	206555	12/27/13
trans-1,2-Dichloroethene	ND	1.0	2.000	206555	12/27/13
Vinyl Acetate	ND	20	2.000	206555	12/27/13
1,1-Dichloroethane	ND	1.0	2.000	206555	12/27/13
2-Butanone	ND	20	2.000	206555	12/27/13
cis-1,2-Dichloroethene	ND	1.0	2.000	206555	12/27/13
2,2-Dichloropropane	ND	1.0	2.000	206555	12/27/13
Chloroform	ND	1.0	2.000	206555	12/27/13
Bromochloromethane	ND	1.0	2.000	206555	12/27/13
1,1,1-Trichloroethane	ND	1.0	2.000	206555	12/27/13
1,1-Dichloropropene	ND	1.0	2.000	206555	12/27/13
Carbon Tetrachloride	ND	1.0	2.000	206555	12/27/13
1,2-Dichloroethane	ND	1.0	2.000	206555	12/27/13
Benzene	100	1.0	2.000	206555	12/27/13
Trichloroethene	ND	1.0	2.000	206555	12/27/13
1,2-Dichloropropane	ND	1.0	2.000	206555	12/27/13
Bromodichloromethane	ND	1.0	2.000	206555	12/27/13
Dibromomethane	ND	1.0	2.000	206555	12/27/13
4-Methyl-2-Pentanone	ND	20	2.000	206555	12/27/13
cis-1,3-Dichloropropene	ND	1.0	2.000	206555	12/27/13
Toluene	1.9	1.0	2.000	206555	12/27/13
trans-1,3-Dichloropropene	ND	1.0	2.000	206555	12/27/13
1,1,2-Trichloroethane	ND	1.0	2.000	206555	12/27/13
2-Hexanone	ND	20	2.000	206555	12/27/13
1,3-Dichloropropane	ND	1.0	2.000	206555	12/27/13
Tetrachloroethene	ND	1.7	3.333	206516	12/25/13
Dibromochloromethane	ND	1.0	2.000	206555	12/27/13
1,2-Dibromoethane	ND	1.0	2.000	206555	12/27/13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-6	Units:	ug/L
Lab ID:	251744-006	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	1.0	2.000	206555	12/27/13
1,1,1,2-Tetrachloroethane	ND	1.0	2.000	206555	12/27/13
Ethylbenzene	9.0	1.0	2.000	206555	12/27/13
m,p-Xylenes	5.0	1.0	2.000	206555	12/27/13
o-Xylene	ND	1.0	2.000	206555	12/27/13
Styrene	ND	1.0	2.000	206555	12/27/13
Bromoform	ND	2.0	2.000	206555	12/27/13
Isopropylbenzene	7.1	1.0	2.000	206555	12/27/13
1,1,2,2-Tetrachloroethane	ND	1.0	2.000	206555	12/27/13
1,2,3-Trichloropropane	ND	1.0	2.000	206555	12/27/13
Propylbenzene	13	1.0	2.000	206555	12/27/13
Bromobenzene	ND	1.0	2.000	206555	12/27/13
1,3,5-Trimethylbenzene	7.4	1.0	2.000	206555	12/27/13
2-Chlorotoluene	ND	1.0	2.000	206555	12/27/13
4-Chlorotoluene	ND	1.0	2.000	206555	12/27/13
tert-Butylbenzene	ND	1.0	2.000	206555	12/27/13
1,2,4-Trimethylbenzene	ND	1.0	2.000	206555	12/27/13
sec-Butylbenzene	2.1	1.0	2.000	206555	12/27/13
para-Isopropyl Toluene	1.1	1.0	2.000	206555	12/27/13
1,3-Dichlorobenzene	ND	1.0	2.000	206555	12/27/13
1,4-Dichlorobenzene	ND	1.0	2.000	206555	12/27/13
n-Butylbenzene	ND	1.0	2.000	206555	12/27/13
1,2-Dichlorobenzene	ND	1.0	2.000	206555	12/27/13
1,2-Dibromo-3-Chloropropane	ND	4.0	2.000	206555	12/27/13
1,2,4-Trichlorobenzene	ND	1.0	2.000	206555	12/27/13
Hexachlorobutadiene	ND	4.0	2.000	206555	12/27/13
Naphthalene	14	4.0	2.000	206555	12/27/13
1,2,3-Trichlorobenzene	ND	1.0	2.000	206555	12/27/13
tert-Butyl Alcohol (TBA)	110	20	2.000	206555	12/27/13

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	103	77-136	2.000	206555	12/27/13
1,2-Dichloroethane-d4	104	75-139	2.000	206555	12/27/13
Toluene-d8	102	80-120	2.000	206555	12/27/13
Bromofluorobenzene	100	80-120	2.000	206555	12/27/13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	206483
Lab ID:	251744-007	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
Diln Fac:	100.0		

Analyte	Result	RL
Freon 12	ND	100
Chloromethane	ND	100
Vinyl Chloride	ND	50
Bromomethane	ND	100
Chloroethane	ND	100
Trichlorofluoromethane	ND	100
Acetone	ND	1,000
Freon 113	ND	200
1,1-Dichloroethene	ND	50
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	50
MTBE	ND	50
trans-1,2-Dichloroethene	ND	50
Vinyl Acetate	ND	1,000
1,1-Dichloroethane	ND	50
2-Butanone	ND	1,000
cis-1,2-Dichloroethene	ND	50
2,2-Dichloropropane	ND	50
Chloroform	ND	50
Bromochloromethane	ND	50
1,1,1-Trichloroethane	ND	50
1,1-Dichloropropene	ND	50
Carbon Tetrachloride	ND	50
1,2-Dichloroethane	ND	50
Benzene	7,200	50
Trichloroethene	ND	50
1,2-Dichloropropane	ND	50
Bromodichloromethane	ND	50
Dibromomethane	ND	50
4-Methyl-2-Pentanone	ND	1,000
cis-1,3-Dichloropropene	ND	50
Toluene	ND	50
trans-1,3-Dichloropropene	ND	50
1,1,2-Trichloroethane	ND	50
2-Hexanone	ND	1,000
1,3-Dichloropropane	ND	50
Tetrachloroethene	ND	50

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	206483
Lab ID:	251744-007	Sampled:	12/16/13
Matrix:	Water	Received:	12/17/13
Units:	ug/L	Analyzed:	12/23/13
Diln Fac:	100.0		

Analyte	Result	RL
Dibromochloromethane	ND	50
1,2-Dibromoethane	ND	50
Chlorobenzene	ND	50
1,1,1,2-Tetrachloroethane	ND	50
Ethylbenzene	280	50
m,p-Xylenes	85	50
o-Xylene	79	50
Styrene	ND	50
Bromoform	ND	100
Isopropylbenzene	ND	50
1,1,2,2-Tetrachloroethane	ND	50
1,2,3-Trichloropropane	ND	50
Propylbenzene	ND	50
Bromobenzene	ND	50
1,3,5-Trimethylbenzene	ND	50
2-Chlorotoluene	ND	50
4-Chlorotoluene	ND	50
tert-Butylbenzene	ND	50
1,2,4-Trimethylbenzene	ND	50
sec-Butylbenzene	ND	50
para-Isopropyl Toluene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
n-Butylbenzene	ND	50
1,2-Dichlorobenzene	ND	50
1,2-Dibromo-3-Chloropropane	ND	200
1,2,4-Trichlorobenzene	ND	50
Hexachlorobutadiene	ND	200
Naphthalene	ND	200
1,2,3-Trichlorobenzene	ND	50
tert-Butyl Alcohol (TBA)	2,100	1,000

Surrogate	%REC	Limits
Dibromofluoromethane	112	77-136
1,2-Dichloroethane-d4	91	75-139
Toluene-d8	87	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	206483
Units:	ug/L	Analyzed:	12/23/13
Diln Fac:	1.000		

Type: BS Lab ID: QC721811

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	31.90	128	65-134
Benzene	25.00	26.50	106	80-124
Trichloroethene	25.00	27.42	110	80-120
Toluene	25.00	23.43	94	80-122
Chlorobenzene	25.00	24.89	100	80-120
tert-Butyl Alcohol (TBA)	125.0	129.2	103	37-151

Surrogate	%REC	Limits
Dibromofluoromethane	106	77-136
1,2-Dichloroethane-d4	89	75-139
Toluene-d8	89	80-120
Bromofluorobenzene	92	80-120

Type: BSD Lab ID: QC721812

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	31.12	124	65-134	2	20
Benzene	25.00	26.80	107	80-124	1	20
Trichloroethene	25.00	27.46	110	80-120	0	20
Toluene	25.00	24.06	96	80-122	3	20
Chlorobenzene	25.00	25.53	102	80-120	3	20
tert-Butyl Alcohol (TBA)	125.0	113.6	91	37-151	13	30

Surrogate	%REC	Limits
Dibromofluoromethane	108	77-136
1,2-Dichloroethane-d4	87	75-139
Toluene-d8	89	80-120
Bromofluorobenzene	92	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC721813	Batch#:	206483
Matrix:	Water	Analyzed:	12/23/13
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 #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC721813	Batch#:	206483
Matrix:	Water	Analyzed:	12/23/13
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	110	77-136
1,2-Dichloroethane-d4	87	75-139
Toluene-d8	89	80-120
Bromofluorobenzene	93	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	206516
Units:	ug/L	Analyzed:	12/25/13
Diln Fac:	1.000		

Type: BS Lab ID: QC721967

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	18.75	18.64	99	65-134
Benzene	18.75	18.81	100	80-124
Trichloroethene	18.75	19.65	105	80-120
Toluene	18.75	19.46	104	80-122
Chlorobenzene	18.75	20.02	107	80-120
tert-Butyl Alcohol (TBA)	93.75	138.8 b	148	37-151

Surrogate	%REC	Limits
Dibromofluoromethane	97	77-136
1,2-Dichloroethane-d4	98	75-139
Toluene-d8	97	80-120
Bromofluorobenzene	95	80-120

Type: BSD Lab ID: QC721968

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	18.75	18.84	101	65-134	1	20
Benzene	18.75	18.93	101	80-124	1	20
Trichloroethene	18.75	20.54	110	80-120	4	20
Toluene	18.75	19.75	105	80-122	1	20
Chlorobenzene	18.75	20.50	109	80-120	2	20
tert-Butyl Alcohol (TBA)	93.75	145.3 b	155 *	37-151	5	30

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-136
1,2-Dichloroethane-d4	97	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-120

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC721969	Batch#:	206516
Matrix:	Water	Analyzed:	12/25/13
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 #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC721969	Batch#:	206516
Matrix:	Water	Analyzed:	12/25/13
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	95	77-136
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	206555
Units:	ug/L	Analyzed:	12/26/13
Diln Fac:	1.000		

Type: BS Lab ID: QC722113

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.03	96	65-134
Benzene	25.00	26.32	105	80-124
Trichloroethene	25.00	25.15	101	80-120
Toluene	25.00	26.30	105	80-122
Chlorobenzene	25.00	28.41	114	80-120
tert-Butyl Alcohol (TBA)	125.0	139.2	111	37-151

Surrogate	%REC	Limits
Dibromofluoromethane	102	77-136
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC722114

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	22.54	90	65-134	6	20
Benzene	25.00	24.76	99	80-124	6	20
Trichloroethene	25.00	23.62	94	80-120	6	20
Toluene	25.00	24.80	99	80-122	6	20
Chlorobenzene	25.00	26.90	108	80-120	5	20
tert-Butyl Alcohol (TBA)	125.0	138.6	111	37-151	0	30

Surrogate	%REC	Limits
Dibromofluoromethane	102	77-136
1,2-Dichloroethane-d4	103	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC722115	Batch#:	206555
Matrix:	Water	Analyzed:	12/26/13
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 #:	251744	Location:	3635 13th Ave., Oakland
Client:	Enviro Soil Tech Consultants	Prep:	EPA 5030B
Project#:	3-13-855-SC	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC722115	Batch#:	206555
Matrix:	Water	Analyzed:	12/26/13
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	103	77-136
1,2-Dichloroethane-d4	102	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit