3RD QUARTER 2009
FINAL GROUNDWATER MONITORING REPORT
FORMER HOLLAND OIL PROPERTY
16301 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PREPARED FOR:
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January 6, 2010
Project No. 401314005

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Mr. Lawrence Lepore
Hayward Area Recreation Department
1099 E Street
Hayward, California 94541

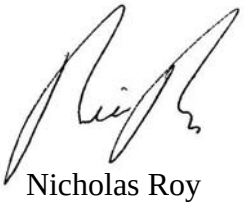
Subject: 3rd Quarter 2009 Final Groundwater Monitoring Report
Former Holland Oil Property
16301 East 14th Street, San Leandro, California

Dear Mr. Lepore:

Please find enclosed the *3rd Quarter 2009 Final Groundwater Monitoring Report* for the former Holland Oil property located at 16301 East 14th Street in San Leandro, California. This report documents the recent groundwater monitoring activities, the groundwater analytical results, and our conclusions.

Thank you very much for the opportunity to assist with this important project.

Sincerely,
NINYO & MOORE



Nicholas Roy
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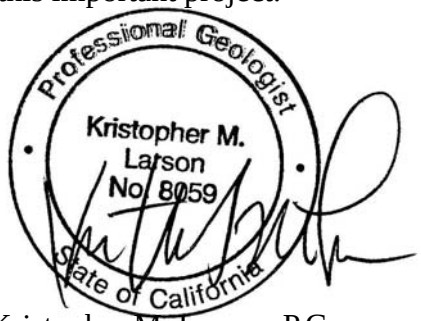

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1. INTRODUCTION

On behalf of Hayward Area Recreation Department (HARD), Ninyo & Moore has prepared this 3rd Quarter 2009 and Final Groundwater Monitoring Report for the former Holland Oil property located at 16301 East 14th Street in unincorporated Alameda County near San Leandro, California (the site). Groundwater monitoring activities were conducted for the purpose of completing the evaluative hydrologic cycle and at the request of the Alameda County Environmental Health Services (ACEH) in a letter dated September 16, 2008. Per recommendations in the Corrective Action Plan (CAP) dated May 25, 2009 (Amicus, 2009), ACEH approved this as the final groundwater monitoring event for the existing wells on site.

An excavation of the contaminant source material was conducted approximately 3 weeks prior to this groundwater sampling event. During the excavation activities there were three monitoring wells destroyed.

1.1. Background

The site was utilized as a bulk fuel storage and distribution facility from the 1960s to the mid 1980s. Eight underground storage tanks (USTs) were located on site; three contained gasoline, two contained diesel, two contained kerosene, and one contained Stoddard solvent. The USTs were removed in 1998 and the excavated overburden soil was placed back in the UST excavation. Additionally, two former structures, a warehouse located in the southwestern section and a small garage located in the central section of the site, were reportedly used for vehicle maintenance.

A series of environmental evaluations of site soil and groundwater has been conducted on site since 1990. This testing evaluated the presence of a broad array of potential use-related chemicals; the results of testing revealed elevated concentrations of specific constituents of concern (COCs) at several locations on the site. Gasoline, diesel, and kerosene-range petroleum hydrocarbons were detected, primarily in areas where the former USTs were located (Figure 2).

2. SITE SETTING

2.1. Geographic Setting

The site is a pentagon-shaped property located in San Leandro, California; bordered to the south by a baseball field; to the west by Edendale Middle School; and to the northeast by East 14th Street. Commercial properties border the site to the northwest and southeast on East 14th Street.

2.2. Environmental Setting

The site is relatively flat, with a gradual downward slope toward the west. The Hayward area is situated on a broad, alluvial plain that slopes gently west from the Hayward hills to the San Francisco Bay. The alluvial plain is comprised of alluvial sediments derived from erosion of the hills to the east. The site region is located at the eastern margin of the alluvial plain and is underlain by fine-grained alluvial and tidal-bay sediments. The surface layer of fill observed throughout the site is underlain by soft bay mud of geologically recent age.

3. MONITORING WELL GROUNDWATER SAMPLING

Ninyo & Moore conducted the quarterly groundwater sampling event on September 23 and 24, 2009.

3.1. Sampling Methodology

Static groundwater elevations in all available site monitoring wells were measured relative to top of casing (TOC). The depth to static groundwater from TOC in each well was measured with a decontaminated water level meter to an accuracy of 0.01 feet. Using the surveyed TOC elevations of wells MW-1, MW-3, MW-4, MW-5, MW-7, and MW-9 through MW-12, the elevation of static groundwater relative to mean sea level (MSL) was calculated for each well. Groundwater elevation data is presented on Table 1.

Prior to sample collection, a minimum of three casing volumes of groundwater were purged from each well using a new disposable bailer and a peristaltic pump with new tubing.

Groundwater parameters (pH, temperature, and electrical conductivity) and physical characteristics were recorded during purging. Groundwater samples were collected from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, and MW-9 through MW-12. Subsequent to purging, groundwater samples were collected from each well using a peristaltic pump with new tubing. Samples scheduled for analysis of volatile organic compounds (VOCs) and total petroleum hydrocarbons as gasoline (TPH-g) were collected first. While collecting samples for VOCs and TPH-g analysis, the pump was run at low speed to minimize disturbance of groundwater. The groundwater samples were collected in the appropriate sample containers, labeled and placed into a cooler containing ice under chain of custody for transport to the analytical laboratory. Copies of the groundwater sampling field data sheets are presented in Appendix A.

3.2. Analytical Laboratories and Methods

Groundwater samples were submitted to Curtis and Tompkins Analytical Laboratories, of Berkeley, California, for analysis of total petroleum hydrocarbons as diesel (TPH-d) using EPA Method 8015B, for TPH-g using EPA Method 8015B, and for VOCs by EPA Method 8260B. A copy of the laboratory analytical report including chain of custody documentation is presented in Appendix B.

3.3. Disposal of Investigation Derived Waste

Decontamination water and purged groundwater was contained in one 55-gallon drum and is currently awaiting proper disposal by Filter Recycling of Colton, California. The disposal manifest will be supplied upon request.

3.4. GeoTracker

Electronic deliverable data associated with this report will be uploaded to the State GeoTracker database. The uploaded documents will include a copy of this report, electronic copies of the associated laboratory analytical reports and depth-to-groundwater measurements.

4. FINDINGS

4.1. Groundwater Flow Direction and Gradient

Groundwater elevations ranged from 28.90 feet above MSL at well MW-9 located in the eastern section of the site to 27.50 feet above MSL in well MW-5, located near the western boundary of the site. Shallow groundwater beneath the site appeared to flow toward the northwest with a gradient of approximately 0.004 feet per foot (Figure 2). This result is generally consistent with the natural topography and anticipated regional groundwater flow toward San Francisco Bay to the west.

4.2. Groundwater Analytical Results

Nine monitoring well groundwater samples (MW-1, MW-3, MW-4, MW-5, MW-7, and MW-9 through MW-12) were collected and analyzed during this monitoring event. The monitoring well groundwater sample analytical results are presented in Table 1.

Concentrations of TPH-d in groundwater were not detected (ND) in wells MW-9 and MW-10. Detected concentrations of TPH-d in groundwater ranged from 50 µg/L in well MW-3 to 3,800 µg/l in well MW-4. A TPH-d isoconcentration map is presented on Figure 3.

TPH-g concentrations were ND in wells MW-3, MW-7, MW-9, MW-10 and MW-11. Detected concentrations of TPH-g ranged from 94 µg/L in well MW-12 to 910 µg/L in well MW-1. A TPH-g isoconcentration map is presented on Figure 4.

5. CONCLUSIONS

Based on the results of the recent and previous site assessments, Ninyo & Moore presents the following conclusions:

- Groundwater samples have been collected on a quarterly basis over the course of the most recent complete hydrologic cycle;
- During this quarterly ground water monitoring event, shallow groundwater elevations ranged from 27.50 feet MSL to 28.90 feet MSL. Groundwater appears to be flowing towards the north west with a gradient of 0.004 feet per foot; and,

- Groundwater underlying the site has been impacted by TPH-d and TPH-g hydrocarbons, and a minor spike of TPH-d compounds was observed during this sampling event. However, because source removal activities have been conducted at the site, the removal of the most highly contaminated soil from the site will facilitate the continued natural attenuation of the impacted groundwater, and restrict the off site migration of heavier petroleum compounds.

Ninyo & Moore Project # 401314005

TABLE 1. MONITORING WELL GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Well ID (toc elev)	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,4-Dichloro-benzene	Chloro-benzene	Isopropyl-benzene	n-Butyl-benzene	n-Propyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Other VOCs
				Analytical Results (µg/L)															
MW-1 36.59	7/10/2007	8.22	28.37	1,100	800	1,700	3	ND<0.5	1.3	ND<1.5	ND<0.5	0.51	0.84	51	27.0	130	25	1.9	ND
	10/13/2008	8.73	27.86	550	--	440	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5.5	30	ND<1.0	ND<1.0	ND
	1/22/2009	8.25	28.34	500	--	930	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5.6	40	7.9	ND<1.0	Naphthalene (2.5); Vinyl acetate (40)
	4/1/2009	7.41	29.18	ND<50	--	770	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	10	2.7	20	4.5	ND<1.0	ND
	9/23/2009	8.84	27.75	2,200	--	910	0.6	ND<0.5	1	ND<1.0	0.8	ND<1.0	0.9	35	23	78	14	1.4	ND
MW-2 37.33	7/9/2007	8.41	28.92	210	94	93	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	0.68	ND<0.5	0.6	0.52	ND<0.5	ND
	10/13/2008	9.04	28.29	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.64	28.69	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Naphthalene (1.7)
	4/1/2009	7.47	29.86	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (3.8)
	9/23/2009	WELL DESTROYED																	
MW-3 37.38	7/10/2007	8.11	29.27	62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	10/13/2008	8.77	28.61	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.45	28.93	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/1/2009	7.39	29.99	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.97	28.41	50	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
MW-4 36.77	7/10/2007	8.38	28.39	710	400	670	3.7	ND<0.5	ND<0.5	ND<1.5	13	0.51	1.7	20	7.9	42	12	1.2	1,2-Dichlorobenzene (0.51)
	10/13/2008	8.89	27.88	660	--	470	2.9	ND<1.0	ND<1.0	ND<1.0	1.9	ND<1.0	1.7	10	5.3	30	ND<1.0	ND<1.0	Carbon disulfide (2); Naphthalene (1.4)
	1/22/2009	8.39	28.38	400	--	350	1.1	ND<1.0	ND<1.0	ND<1.0	1.0	ND<1.0	1.3	6.9	2.3	10	4.0	ND<1.0	ND
	4/1/2009	7.63	29.14	500	--	390	1.0	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	1.1	6.7	1.7	10	ND<1.0	ND<1.0	ND
	9/23/2009	9.01	27.76	3,800	--	640	0.5	ND<0.5	ND<0.5	ND<1.0	0.9	0.8	3	16	11	33	11	1.1	1,2-Dichlorobenzene (0.7)
MW-5 36.24	7/10/2007	8.21	28.03	380	170	170	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.9	ND<0.5	ND<0.5	1.8	ND<0.5	2.3	0.94	0.51	ND
	10/13/2008	8.66	27.58	ND<50	--	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (4.9)
	1/22/2009	7.91	28.33	200	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/1/2009	7.53	28.71	ND<50	--	80	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.74	27.50	1,800	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
MW-6 37.15	7/9/2007	8.25	28.9	1,500	910	780	11	0.64	0.71	2.4	ND<0.5	9.1	2.1	20	5.4	32	7	0.57	1,2-Dichlorobenzene (0.58); 1,3-Dichlorobenzene (3.1); 2-Chlorotoluene (1.6)
	10/13/2008	8.85	28.30	600	--	470	7	ND<1.0	ND<1.0	1.1	ND<0.5	6.3	1.6	10	2.8	20	ND<1.0	ND<1.0	1,3-Dichlorobenzene (2)
	1/22/2009	8.43	28.72	600	--	550	6.3	ND<1.0	ND<1.0	ND<1.0	ND<0.5	3.4	1.0	6.9	1.3	10	2.3	ND<1.0	1,3-Dichlorobenzene (1.1); Vinyl acetate (20)
	4/1/2009	7.41	29.74	ND<50	--	680	20	ND<1.0	ND<1.0	ND<1.0	0.9	ND<1.0	ND<1.0	6.1	1.2	9	ND<1.0	ND<1.0	ND
	9/23/2009	WELL DESTROYED																	
MW-7 36.82	7/10/2007	8.24	28.58	510	91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	0.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
	10/13/2008	8.75	28.07	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.22	28.60	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/1/2009	7.65	29.17	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/24/2009	8.97	27.85	1,000	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND

Ninyo & Moore Project # 401314005

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Well ID (toc elev)	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,4-Dichloro-benzene	Chloro-benzene	Isopropyl-benzene	n-Butyl-benzene	n-Propyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Other VOCs
				Analytical Results (µg/L)															
MW-8	7/9/2007	8.16	28.65	790	500	2,100	110	6.8	76	215	ND<0.5	ND<0.5	3.8	12	7.2	30	2.5	0.59	1,2,4-Trimethylbenzene (82); 1,3,5-Trimethylbenzen (30); 4-Isopropyltoluene (3.5)
36.81	10/14/2008	8.69	28.12	500	--	390	50	1.4	10	23.2	ND<0.5	ND<1.0	2.6	3.3	ND<1.0	8.6	ND<1.0	ND<1.0	Naphthalene (4.9)
	1/23/2009	8.16	28.65	500	--	1,200	180	3.7	40	67.4	ND<0.5	ND<1.0	1.7	4.7	ND<1.0	8.9	ND<1.0	ND<1.0	1,2,4-Trimethylbenzene (30); 1,3,5-Trimethylbenzen (6.6); Naphthalene (20); Vinyl acetate (30)
	4/2/2009	7.43	29.38	ND<50	--	2,800	140	3.5	60	200	ND<0.5	ND<1.0	ND<1.0	4.4	ND<1.0	10	ND<1.0	ND<1.0	1,2,4-Trimethylbenzene (40); 1,3,5-Trimethylbenzen (10); Naphthalene (20);
	9/23/2009	WELL DESTROYED																	
MW-9	10/14/2008	8.11	29.11	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
37.22	1/23/2009	7.69	29.53	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	6.75	30.47	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.32	28.90	ND<50	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
MW-10	10/14/2008	8.77	28.02	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
36.79	1/23/2009	8.25	28.54	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	7.25	29.54	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.82	27.97	ND<50	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
MW-11	10/14/2008	8.35	27.85	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (10); Carbon disulfide (2.4)
36.2	1/23/2009	7.76	28.44	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	6.93	29.27	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.38	27.82	420	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	0.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
MW-12	10/14/2008	8.51	27.55	ND<50	--	110	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
36.06	1/23/2009	7.83	28.23	300	--	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	7.27	28.79	ND<50	--	60	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.54	27.52	850	--	94	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND

Notes and Abbreviations:
VOCs = volatile organic compounds analyzed by EPA Method 8260B
toc elev = top of casing elevation in feet above mean sea level
ft btoc= feet below top of casing
ft msl = feet above mean sea level
TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
Kerosene analyzed by EPA Method 8015B
TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B
MTBE = methyl tert butyl ether analyzed by EPA Method 8260B
µg/L = micrograms per liter
-- = not analyzed, not available, not applicaple
ND< X = not detected, below laboratory reporting limit of X

LEGEND

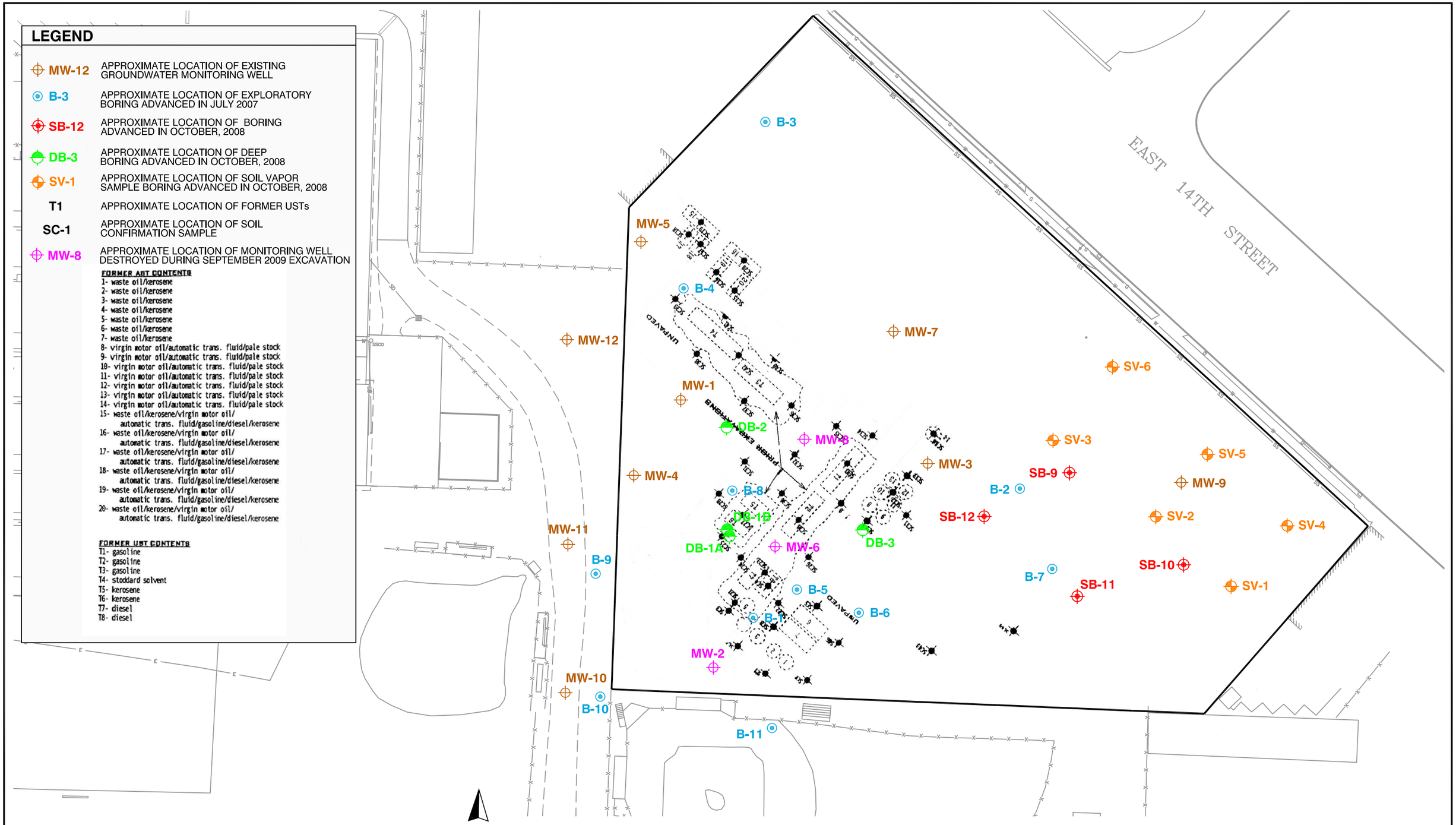
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
MW-8	APPROXIMATE LOCATION OF MONITORING WELL DESTROYED DURING SEPTEMBER 2009 EXCAVATION

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



APPROXIMATE SCALE IN FEET

0 50 100

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	SITE PLAN	FIGURE
PROJECT NO. 401314005 / DATE 1/10	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	1

LEGEND

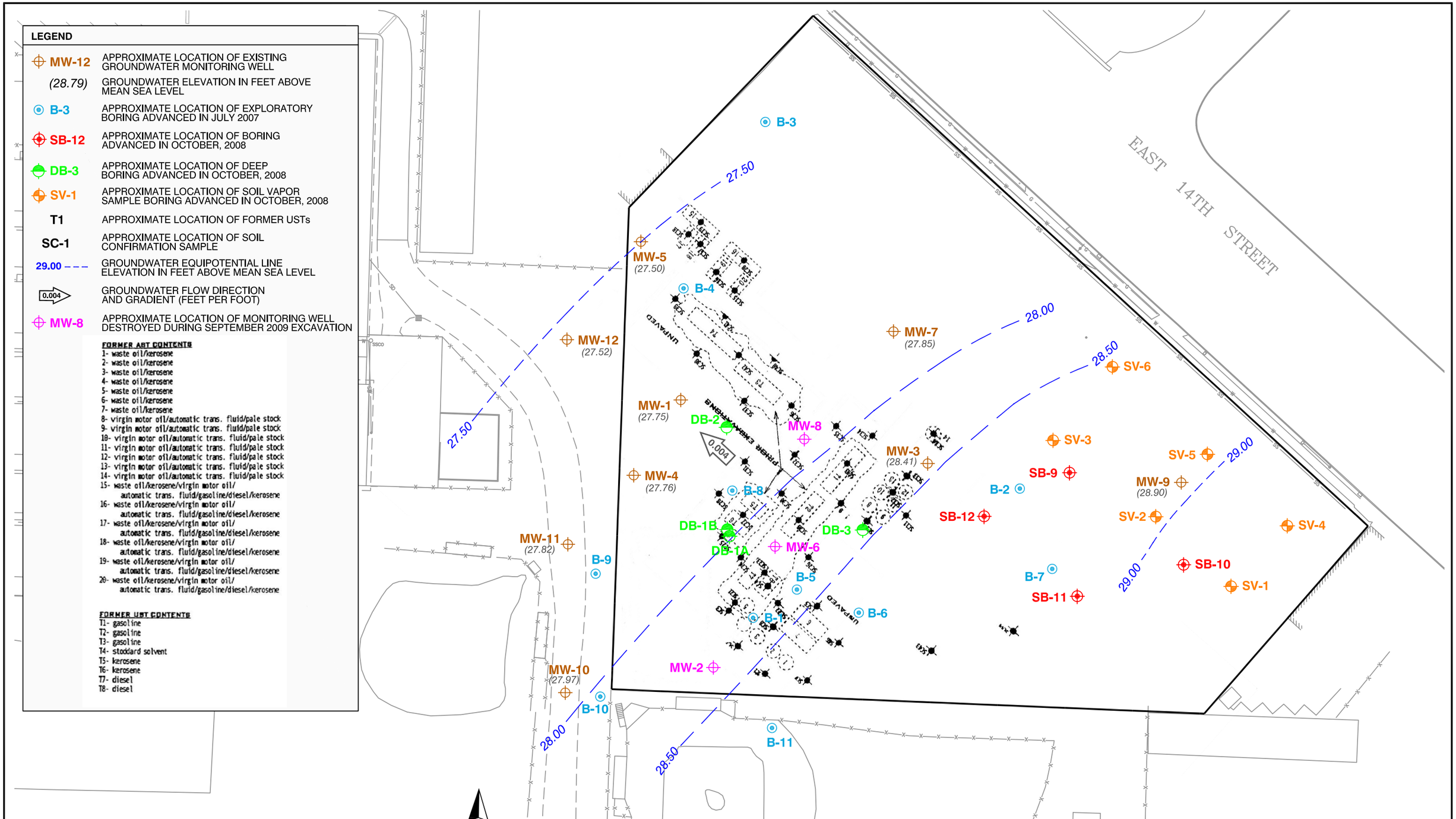
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
(28.79)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
29.00	GROUNDWATER EQUIPOTENTIAL LINE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
0.004	GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET PER FOOT)
MW-8	APPROXIMATE LOCATION OF MONITORING WELL DESTROYED DURING SEPTEMBER 2009 EXCAVATION

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - SEPTEMBER 23-24, 2009	FIGURE
PROJECT NO. 401314005 / DATE 1/10	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	2

LEGEND

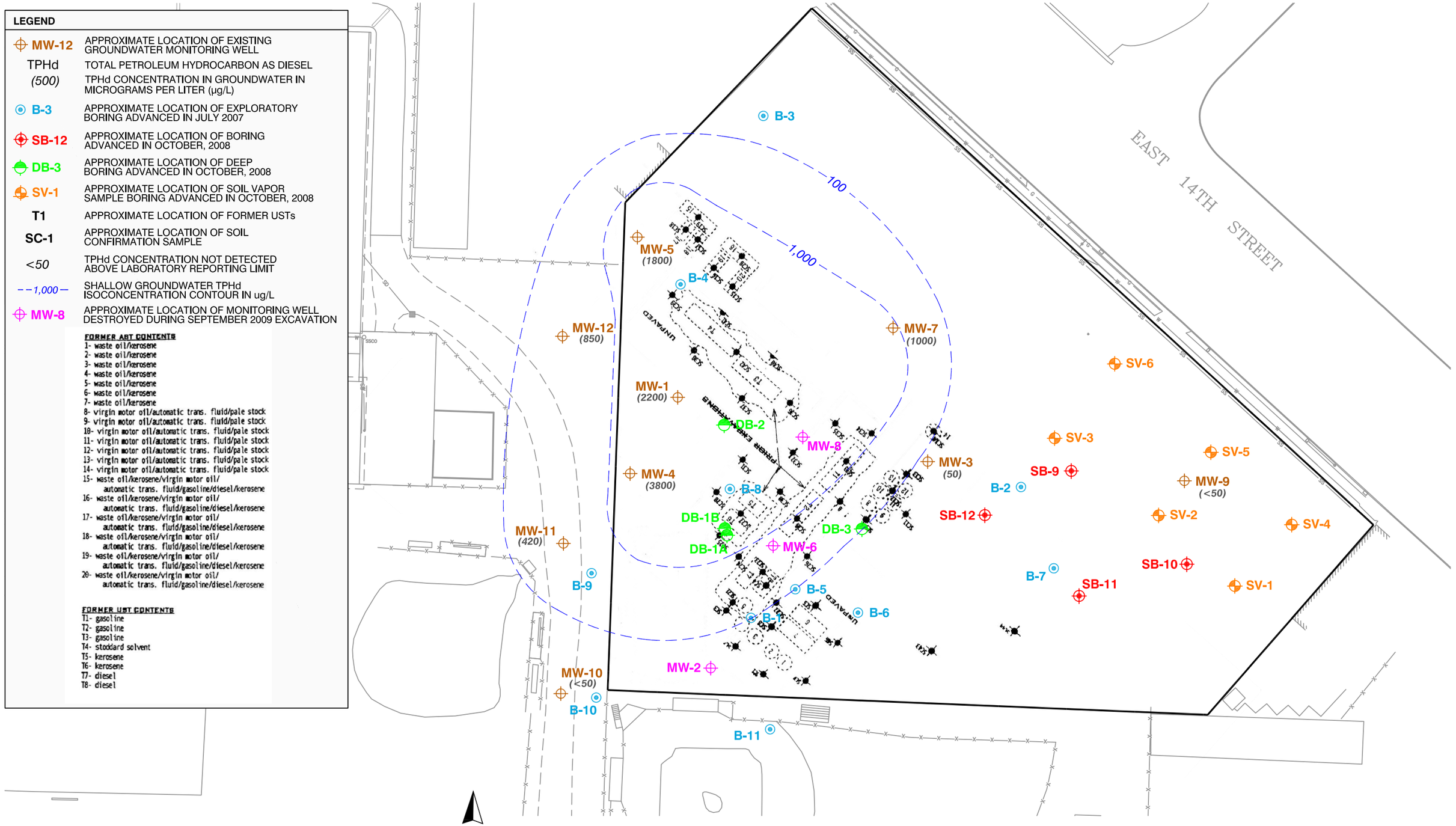
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
TPHd (500)	TOTAL PETROLEUM HYDROCARBON AS DIESEL TPHd CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<50	TPHd CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
--1,000--	SHALLOW GROUNDWATER TPHd ISOCONCENTRATION CONTOUR IN ug/L
MW-8	APPROXIMATE LOCATION OF MONITORING WELL DESTROYED DURING SEPTEMBER 2009 EXCAVATION

FORMER ART CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



N

APPROXIMATE SCALE IN FEET

0 50 100

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

Ninyo & Moore	DISSOLVED - PHASE TPHd ISOCONCENTRATION MAP	FIGURE
PROJECT NO. 401314005 / DATE 1/10	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	3

LEGEND

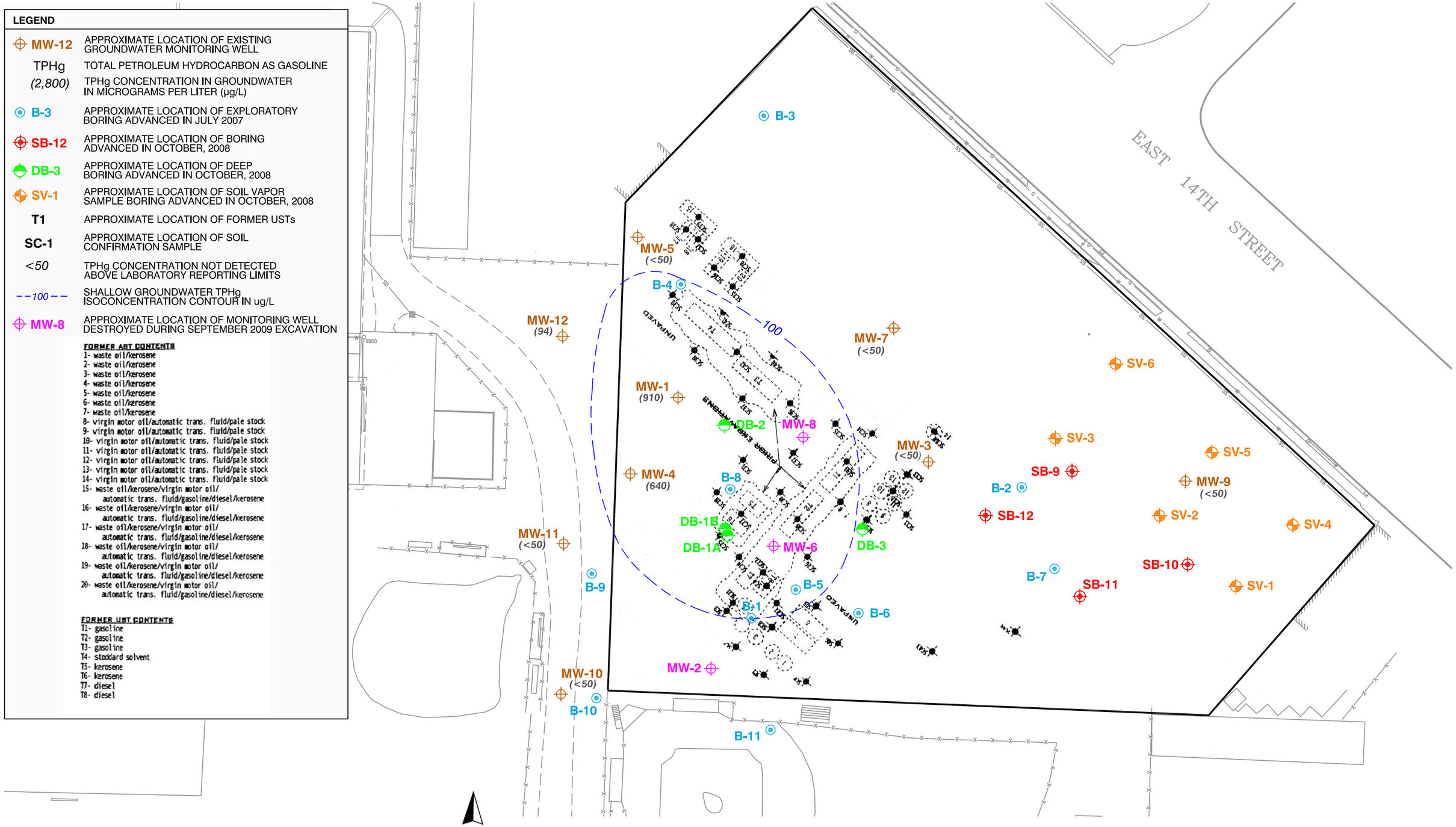
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
TPHg	TOTAL PETROLEUM HYDROCARBON AS GASOLINE
(2,800)	TPHg CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<50	TPHg CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
100	SHALLOW GROUNDWATER TPHg ISOCONCENTRATION CONTOUR IN ug/L
MW-8	APPROXIMATE LOCATION OF MONITORING WELL DESTROYED DURING SEPTEMBER 2009 EXCAVATION

FORMER ART CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	DISSOLVED - PHASE TPHg ISOCONCENTRATION MAP	FIGURE
PROJECT NO. 401314005 / DATE 1/10	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	4

LEGEND

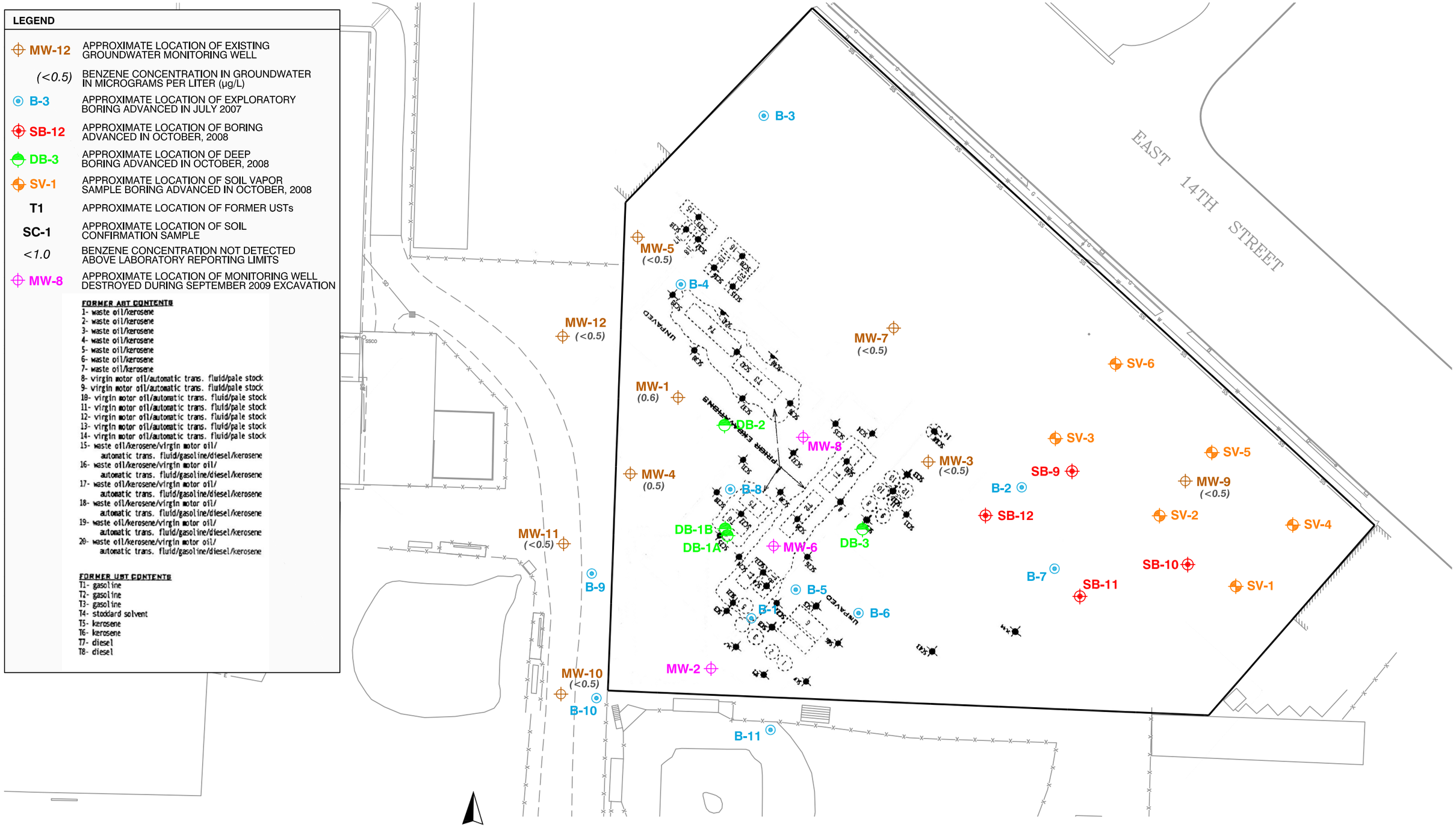
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
(<0.5)	BENZENE CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<1.0	BENZENE CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
MW-8	APPROXIMATE LOCATION OF MONITORING WELL DESTROYED DURING SEPTEMBER 2009 EXCAVATION

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	DISSOLVED - PHASE BENZENE ISOCONCENTRATION MAP	FIGURE
PROJECT NO. 401314005 / DATE 1/10	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	5

APPENDIX A

FIELD DATA SHEETS

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St*
Project No.: *401316005*
Monitoring Well ID: *MW-1*

Date: *9/23/2009* Sampler: *DBB*
Weather: *clear/hot*
Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: [X] 2" [ ] 4" [ ] 6" [ ] Other
Casing Material: [✓] SCH 40-PVC [ ] Other: S. Steel
Total Depth (ft-TOC): *16.58*
Depth to Water (ft-TOC): *8.84*
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): *6.74* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *1.08* x 3 = *3.2* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Ultrameter* Calibration (date/time): *9/23/09 1200*
Conductivity Meter: *Ultrameter* Calibration (date/time): ~~*Factory calibrated*~~
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.98	26.4

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1404	0.5		21.5	6.13	551	Clear, slight odor, no sheen
1426	1.0		21.8	6.04	549	" "
1428	1.5		21.9	6.00	548	" "
1430	2.0		22.0	5.97	547	" "
1432	2.5		22.0	5.93	546	" "
1434	3.1		22.0	5.91	547	" "

Total Volume Purged (gallon): *3.1* Time Finished Purging: *1434*

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*
Bailer Rope-New or Cleaned?:
Sample Time: *1434*
Sample ID: *mw-1*
Replicate ID (if appl.) *None*
Laboratory:
Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore | **GROUNDWATER SAMPLING FIELD DATA SHEET**

Project Name: *Holland Oil*

Site: *16301 E 14th St* Date: *9/23/2009* Sampler: *DBB*

Project No.: 401316005 Weather: Clear / Hot

Monitoring Well ID: *MW-3* Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☐ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 22.92 Floating Immiscible Layer Observed?: *No*

Depth to Water (ft-TOC): 8.97 Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 13.99 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 2.23 x 3 = 6.7 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*

Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* ~~& Bailer~~ Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*

Temp./pH Meter: *Ultrameter* Calibration (date/time): 9/23/09 1200

Conductivity Meter: *Ultrameter* Calibration (date/time): *Factory calibrated*

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0	~~6.98~~	~~26.4~~
7.0	6.98	26.4 °C

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1210	1		20.6	6.7	530	Clear, no odor or sheen
1213	2		20.6	6.49	525	" "
1216	3		20.8	6.28	515	" "
1219	4		20.9	6.23	513	" "
1222	5		21.0	6.18	511	" "
1225	6		21.0	6.12	510	" "
1227	6.7		21.0	6.11	509	" "

Total Volume Purged (gallon): 6.7 Time Finished Purging: 1227

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?:

Sample Time: 1227

Sample ID: MW-3

Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St*
Project No.: *401314008*
Monitoring Well ID: *MW-4*

Date: *9/23/2009* Sampler: *DBB*
Weather: *clear / Hot*
Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): *19.30*
Depth to Water (ft-TOC): *9.01*
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): *10.29* x (2" = 0.16, 4" = 0.65, 6" = 1.47) gal/ft = *1.65* x 3 = *4.94* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Ultrameter* Calibration (date/time): *9/23/09 1200*
Conductivity Meter: *Ultrameter* Calibration (date/time): ~~*Factory calibrated*~~
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.98	26.4

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1512	1		21.2	5.85	531	Clear, Slight odor, no sheen
1516	2		21.4	5.82	528	" "
1520	3		21.1	5.82	530	" "
1524	4		20.9	5.81	529	" "
1528	5		20.8	5.81	530	" "

Total Volume Purged (gallon): *5* Time Finished Purging: *1528*

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*
Bailer Rope-New or Cleaned?:
Sample Time: *1528*
Sample ID: *MW-4*
Replicate ID (if appl.) *None*
Laboratory:
Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St* Date: *9/23/2009* Sampler: *DBB*

Project No.: 601314005 Weather: Clear / Hot

Monitoring Well ID: *MW-* 5 Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 19.38 Floating Immiscible Layer Observed?: *No*

Depth to Water (ft-TOC): 8.74 Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 10.64 x (2" = 0.16 / 4" = 0.65 / 6" = 1.47) gal/ft = 1.7 x 3 = 5.1 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*

Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing & Bailer* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*

Temp./pH Meter: *Ultrameter* Calibration (date/time): 9/23/09 1200

Conductivity Meter: *Ultrameter* Calibration (date/time): ~~*Factory calibrated*~~

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F) ~~°C~~
4.0		
7.0	6.98	26.4

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1345	1		18.8	6.02	591	Clear, no odor or sheen
1347	2		18.8	6.01	590	" "
1349	3		18.7	5.98	592	" "
1351	4		18.7	5.97	590	" "
1353	5.1		18.7	5.95	588	" "

Total Volume Purged (gallon): 5.1 Time Finished Purging: 1353

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?:

Sample Time: 1353

Sample ID: MW-5

Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: 16301 E 14th St
Project No.: 401314005
Monitoring Well ID: MW-7
Date: 9/~~23~~ 24/2009
Sampler: DBB
Weather: ~~[illegible]~~ overcast / cool
Vapor Monitoring Results (ppmv): NA

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 14.75
Depth to Water (ft-TOC): 8.92
Floating Immiscible Layer Observed?: No
Floating Immiscible Layer Thickness (feet): NA

Water Column Height (feet): 5.83 x (2" = 0.16, 4" = 0.65, 6" = 1.47) gal/ft = 0.933 x 3 = 2.8 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Indicator — Cleaned: yes
Purging Method/Equipment: Peristaltic Pump and Dedicated Tubing — Cleaned: yes
Pump Lines/Bailer Ropes-New or Cleaned?: New/Cleaned
Temp./pH Meter: ~~Ultrameter~~ Oakton — Calibration (date/time):
Conductivity Meter: ~~Ultrameter~~ Oakton — Calibration (date/time): ~~Factory calibrated~~ 9/24/09 0710
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.98	25.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0721	0.5		20.4	6.43	197.7	light gray, slightly cloudy, no sheen, no odor
	~~0.5~~					~~slight gray, slightly~~
0725	1		20.5	6.21	198.1	clear, no odor, no sheen
0728	1.5		20.6	6.08	199.2	" " "
0730	2		20.6	6.05	199.2	" " "
0733	2.8		20.6	6.05	199.2	" " "

Total Volume Purged (gallon): 2.8
Time Finished Purging: 0733

Sampling Method/Equipment: Disposable Peristaltic Pump and Dediscated Tubing

Bailer Rope-New or Cleaned?:
Sample Time: 0740
Sample ID: MW-7
Replicate ID (if appl.) None

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St* Date: *9/23/2009* Sampler: *DBB*

Project No.: 401316005 Weather: clear / 80s

Monitoring Well ID: *MW-9* Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 14.73 Floating Immiscible Layer Observed?: *No*

Depth to Water (ft-TOC): 8.32 Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 6.41 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.03 x 3 = 3.1 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*

Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*

Temp./pH Meter: *Ultrameter* Calibration (date/time): 9/23/09 1200

Conductivity Meter: *Ultrameter* Calibration (date/time): *Factory calibrated*

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°C)
4.0		
7.0	6.98	26.4

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1307	0.5		21.1	6.66	493	Clear, no odor or sheen
1309	1		21.1	6.50	491	" "
1311	1.5		21.1	6.41	490	" "
1313	2		21.1	6.35	490	" "
1315	2.5		21.1	6.31	490	" "
1317	3.1		21.1	6.29	490	" "

Total Volume Purged (gallon): 3.1 Time Finished Purging: 1317

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?:

Sample Time: 1317

Sample ID: MW-9

Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St*
Project No.: 401346.05
Monitoring Well ID: *MW-* 10

Date: *9/23/2009* Sampler: *DBB*
Weather: ~~Clear, Hot~~ *Overcast/Cool*
Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 14.96
Depth to Water (ft-TOC): 8.82
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 6.14 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 0.98 x 3 = 3.0 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: ~~Ultrameter~~ Oakton Calibration (date/time):
Conductivity Meter: ~~Ultrameter~~ Oakton Calibration (date/time): ~~Factory calibrated~~ 9/24/09 @ 710

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.99	25.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1424	0.5		19.6	6.48	198.8	clear, no odor, no sheen
1427	1		19.6	6.41	198.6	" " "
1431	1.5		19.6	6.35	198.4	" " "
1434	2		19.8	6.21	199.0	" " "
1438	2.5		19.8	6.19	199.0	" " "
1441	3		19.8	6.19	198.9	" " "

Total Volume Purged (gallon): 3.0 Time Finished Purging: 1442

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?: NA
Sample Time: 1445
Sample ID: MW-10
Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St* Date: *9/23/2009* Sampler: *DBB*

Project No.: 401316005 Weather: ~~clear~~ overcast / cool

Monitoring Well ID: *MW-11* Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 14.57 Floating Immiscible Layer Observed?: *No*

Depth to Water (ft-TOC): 8.38 Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 6.19 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 0.99 x 3 = 3.0 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*

Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*

Temp./pH Meter: ~~*Ultrameter*~~ Oakton Calibration (date/time):

Conductivity Meter: ~~*Ultrameter*~~ Oakton Calibration (date/time): ~~*Factory calibrated*~~ 9/24/09, 0710

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.99	26.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1130	0.5		19.9	6.64	197.5	light brown, slightly cloudy / no odor, no sheen
1133	1		20.0	6.54	197.0	clear / no odor, no sheen
1137	1.5		20.0	6.48	197.0	" / " / "
1140	2		20.0	6.38	196.9	" / " / "
1142	2.5		19.9	6.33	197.4	" / " / "
1145	3.0		19.9	6.23	197.2	" / " / "

Total Volume Purged (gallon): 3.1 Time Finished Purging: 1145

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?: NA

Sample Time: 1150

Sample ID: MW-11

Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *Holland Oil*

Site: *16301 E 14th St* Date: *9/23/2009* Sampler: *DBB*

Project No.: 401311005 Weather: [redacted] overcast/cool

Monitoring Well ID: *MW-12* Vapor Monitoring Results (ppmv): *NA*

Casing Diameter: ☒ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 14.61 Floating Immiscible Layer Observed?: *No*

Depth to Water (ft-TOC): 8.54 Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 6.07 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 0.97 x 3 = 2.9 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*

Purging Method/Equipment: *Peristaltic Pump and Dedicated Tubing* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*

Temp./pH Meter: ~~Ultrameter~~ Oakton Calibration (date/time):

Conductivity Meter: ~~Ultrameter~~ Oakton Calibration (date/time): ~~Factory calibrated~~ 9/24/09, 0710

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	6.99	25.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0941	0.5		20.1	6.11	519	light gray, cloudy, slight odor, no sheen
0943	1		20.6	5.97	516	clear slight odor, no sheen
0946	1.5		20.6	5.96	517	" " "
0948	2		20.6	5.92	519	" " "
0951	2.5		20.6	5.91	518	" " "
0953	2.9		20.6	5.89	518	" " "

Total Volume Purged (gallon): ~~2.5~~ 2.9 Time Finished Purging: 0953

Sampling Method/Equipment: *Disposable Peristaltic Pump and Dediscated Tubing*

Bailer Rope-New or Cleaned?: NA

Sample Time: 0956

Sample ID: MW-12

Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

APPENDIX B

ANALYTICAL LABORATORY REPORT


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 215181
ANALYTICAL REPORT

Ninyo & Moore	Project : 401314005
1956 Webster St.	Location : Holland Park
Oakland, CA 94612	Level : II

Sample ID	Lab ID
MW-1	215181-001
MW-3	215181-002
MW-4	215181-003
MW-5	215181-004
MW-9	215181-005

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: Lisa Brooker Date: 10/06/2009
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**215181**
Client:	**Ninyo & Moore**
Project:	**401314005**
Location:	**Holland Park**
Request Date:	**09/23/09**
Samples Received:	**09/23/09**

This data package contains sample and QC results for five water samples, requested for the above referenced project on 09/23/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recovery was observed for bromofluorobenzene (FID) in MW-1 (lab # 215181-001); the corresponding trifluorotoluene (FID) surrogate recovery was within limits. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 215181

Sampler: Cem Atabek
Report To: Cem Atabek
Company: Ninyo & Moore
Telephone: 510-633-5640
Fax: 510-633-5646

Project No.: 401314005
Project Name: HARD/CAP implementation
Project P.O.: 401314005
Turnaround Time: regular

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPHd (8015B)	TPHg (8015B)	VOCs + MTBE (8260B)
1	MW-1	9/23/09 1434		X		7	X			X	X	X	X
2	MW-3	1227		↓		↓	↓			↓	↓	↓	↓
3	MW-4	1528		↓		↓	↓			↓	↓	↓	↓
4	MW-5	1353		↓		↓	↓			↓	↓	↓	↓
5	MW-9	1317		↓		↓	↓			↓	↓	↓	↓

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

Cem Atabek 9/23/09 504 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:

MCF 9/23/09 17:04 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 21581 Date Received 9/23/09 Number of coolers 1
Client NINYO & MOORE Project HAZD I CAP

Date Opened 9/23/09 By (print) M. VILLANUEVA (sign)
Date Logged in 9-23-09 By (print) J. Gayle (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:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C)_____

☑ Samples Received on ice & cold without a temperature blank

☐ 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 samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/23/09
Units:	ug/L	Received:	09/23/09
Diln Fac:	1.000	Analyzed:	10/02/09
Batch#:	155605		

Field ID: MW-1 Lab ID: 215181-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	910 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	64-147
Bromofluorobenzene (FID)	139 *	71-138

Field ID: MW-3 Lab ID: 215181-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	64-147
Bromofluorobenzene (FID)	95	71-138

Field ID: MW-4 Lab ID: 215181-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	640 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	64-147
Bromofluorobenzene (FID)	127	71-138

*= 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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/23/09
Units:	ug/L	Received:	09/23/09
Diln Fac:	1.000	Analyzed:	10/02/09
Batch#:	155605		

Field ID: MW-5 Lab ID: 215181-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	64-147
Bromofluorobenzene (FID)	98	71-138

Field ID: MW-9 Lab ID: 215181-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	64-147
Bromofluorobenzene (FID)	89	71-138

Type: BLANK Lab ID: QC514889

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	64-147
Bromofluorobenzene (FID)	89	71-138

*= 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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC514890	Batch#:	155605
Matrix:	Water	Analyzed:	10/02/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,180	109	77-118

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	64-147
Bromofluorobenzene (FID)	109	71-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	155605
MSS Lab ID:	215219-002	Sampled:	09/25/09
Matrix:	Water	Received:	09/25/09
Units:	ug/L	Analyzed:	10/02/09
Diln Fac:	1.000		

Type: MS Lab ID: QC514891

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	7.988	2,000	2,151	107	66-110

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	64-147
Bromofluorobenzene (FID)	118	71-138

Type: MSD Lab ID: QC514892

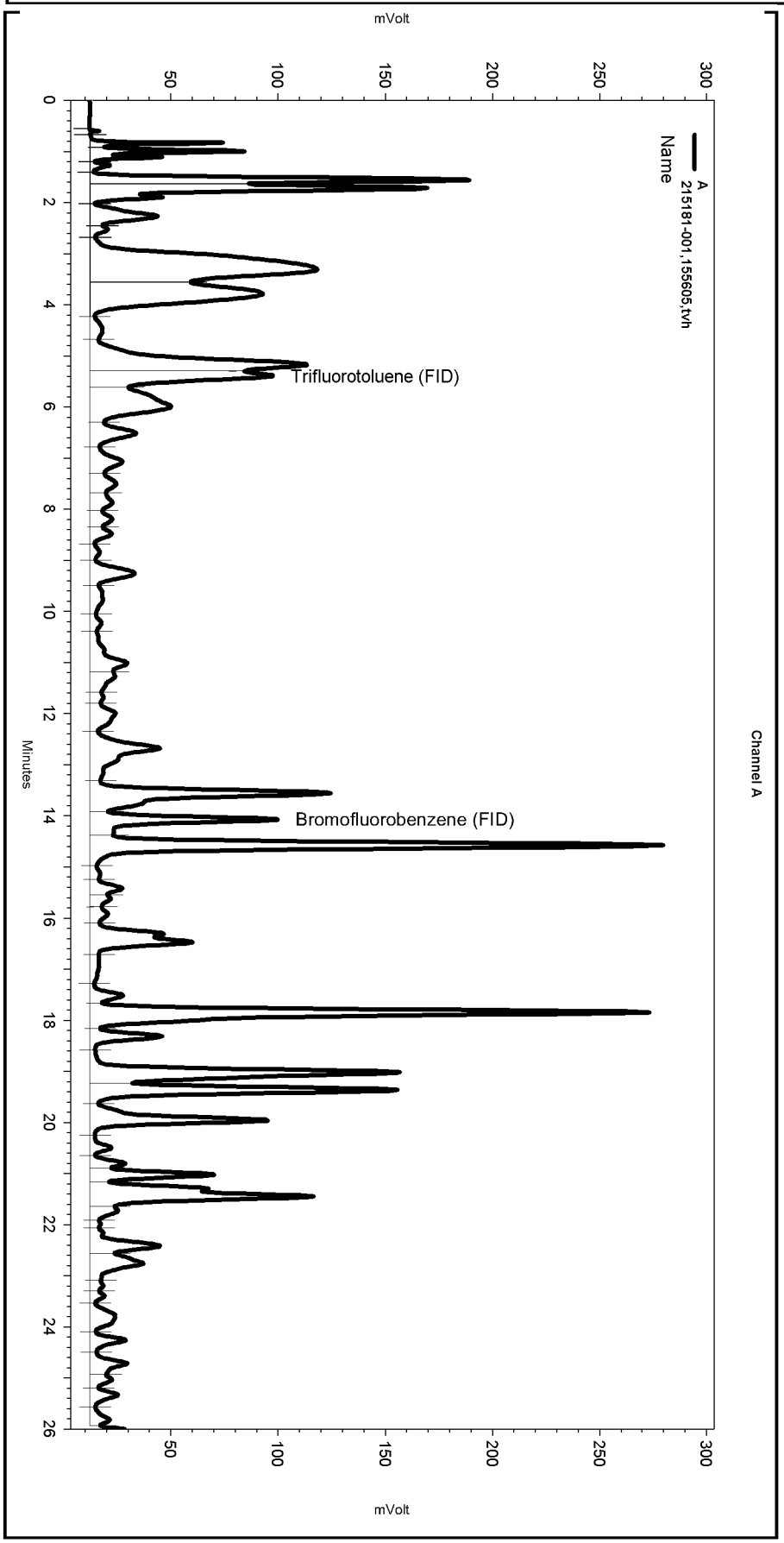
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,157	107	66-110	0	11

Surrogate	%REC	Limits
Trifluorotoluene (FID)	138	64-147
Bromofluorobenzene (FID)	117	71-138

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\275.seq**
Sample Name: **215181-001,155605,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\275_012**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe271.met

Software Version 3.1.7
Run Date: 10/2/2009 7:30:19 PM
Analysis Date: 10/3/2009 11:37:20 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0
hs<1



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No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

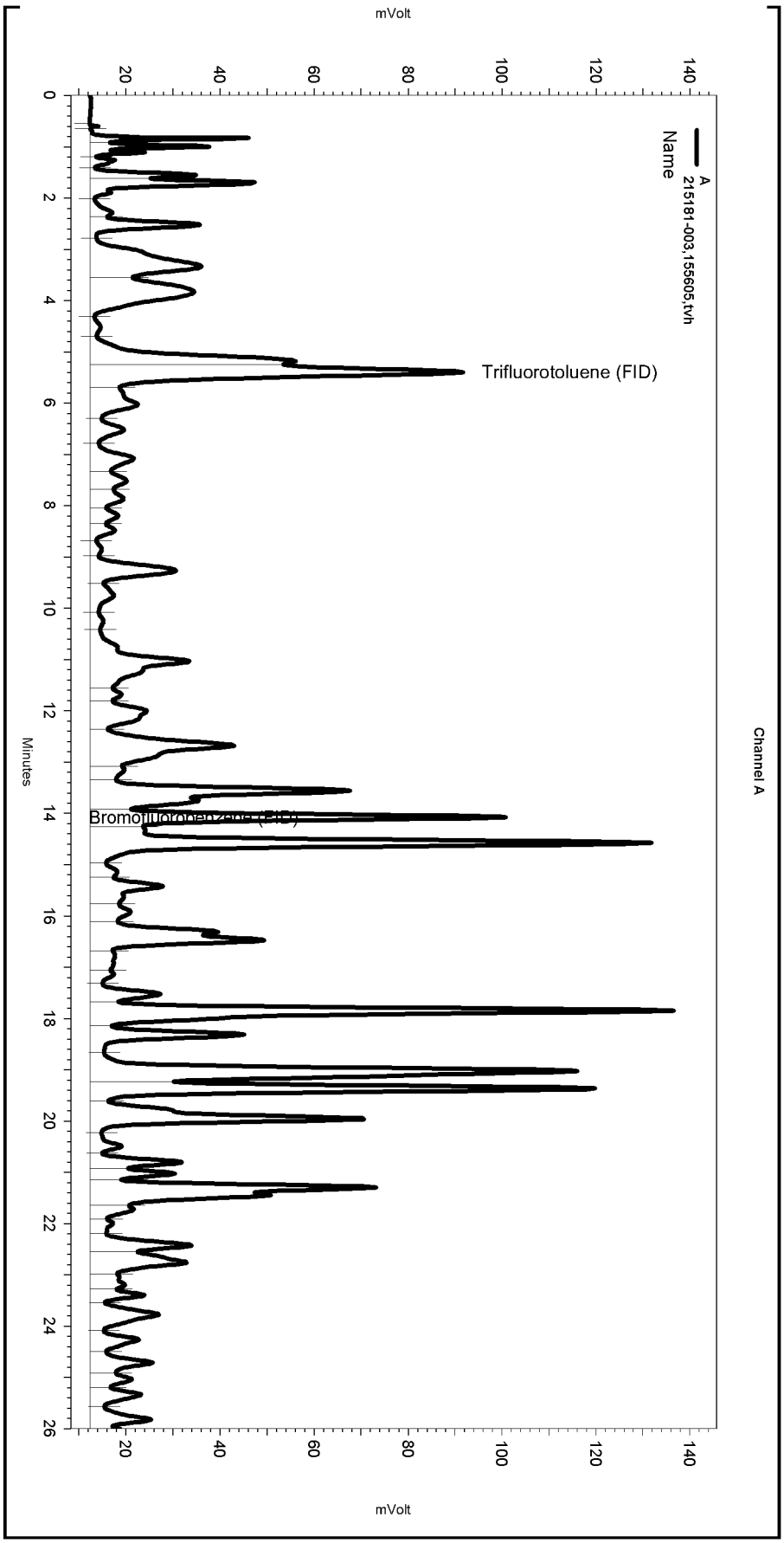
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\275_012

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\275.seq**
Sample Name: **215181-003,155605,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\275_014**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe271.met

Software Version 3.1.7
Run Date: 10/2/2009 8:45:32 PM
Analysis Date: 10/3/2009 11:38:33 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

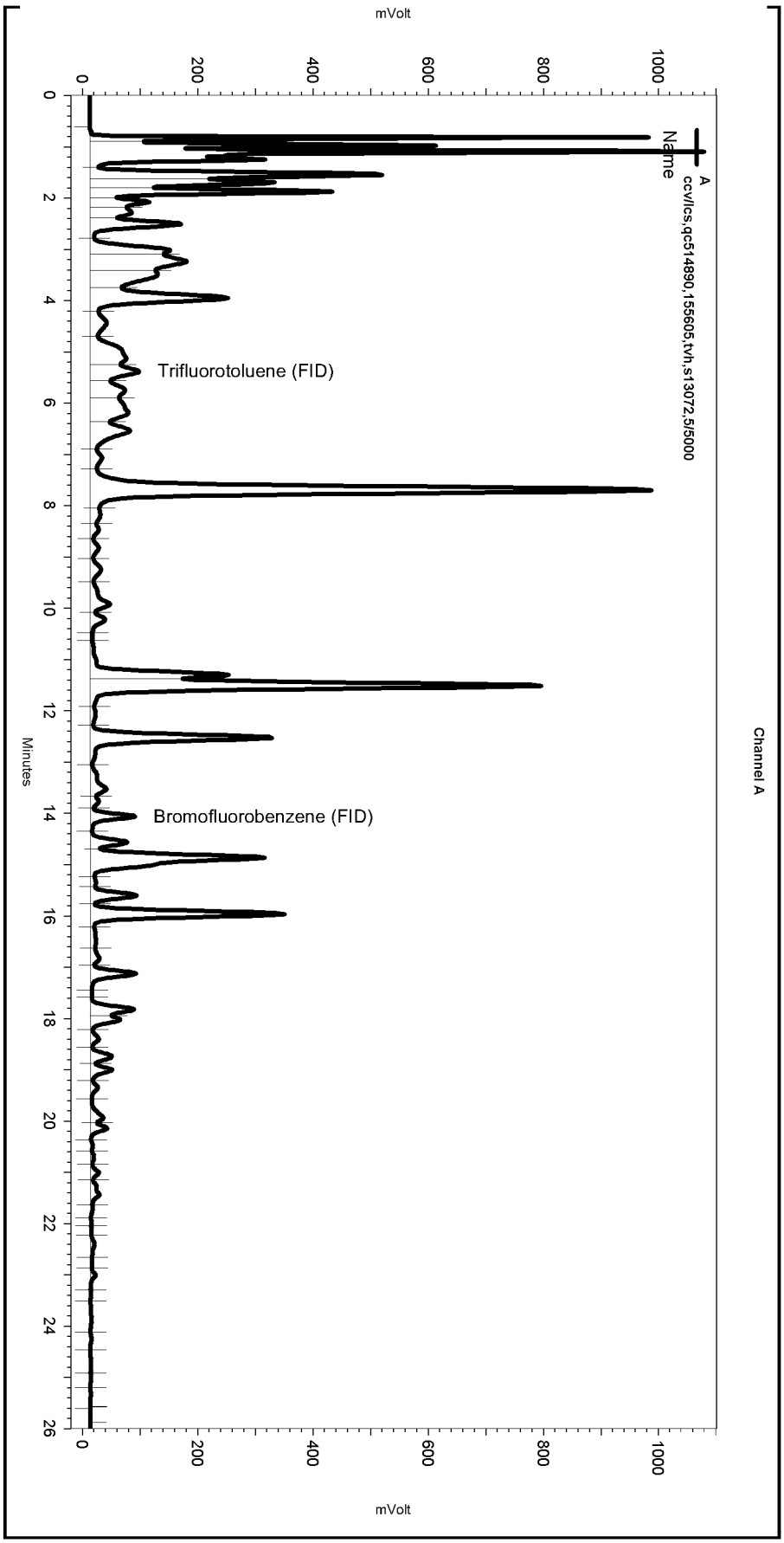
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\275_014

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	5.252	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\275.seq**
Sample Name: **ccv/lcs,qc514890,155605,tvh,s13072,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\275_006**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe271.met

Software Version 3.1.7
Run Date: 10/2/2009 1:55:35 PM
Analysis Date: 10/3/2009 11:33:22 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\275_006

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 3520C
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/23/09
Units:	ug/L	Received:	09/23/09
Diln Fac:	1.000	Prepared:	09/30/09
Batch#:	155504		

Field ID: MW-1 Lab ID: 215181-001
Type: SAMPLE Analyzed: 10/01/09

Analyte	Result	RL
Diesel C10-C24	2,200	50

Surrogate	%REC	Limits
o-Terphenyl	96	60-130

Field ID: MW-3 Lab ID: 215181-002
Type: SAMPLE Analyzed: 10/01/09

Analyte	Result	RL
Diesel C10-C24	50	50

Surrogate	%REC	Limits
o-Terphenyl	97	60-130

Field ID: MW-4 Lab ID: 215181-003
Type: SAMPLE Analyzed: 10/01/09

Analyte	Result	RL
Diesel C10-C24	3,800	50

Surrogate	%REC	Limits
o-Terphenyl	92	60-130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 3520C
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/23/09
Units:	ug/L	Received:	09/23/09
Diln Fac:	1.000	Prepared:	09/30/09
Batch#:	155504		

Field ID: MW-5 Lab ID: 215181-004
Type: SAMPLE Analyzed: 10/01/09

Analyte	Result	RL
Diesel C10-C24	1,800	50

Surrogate	%REC	Limits
o-Terphenyl	93	60-130

Field ID: MW-9 Lab ID: 215181-005
Type: SAMPLE Analyzed: 10/02/09

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	93	60-130

Type: BLANK Analyzed: 10/01/09
Lab ID: QC514458

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	92	60-130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 3520C
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	155504
Units:	ug/L	Prepared:	09/30/09
Diln Fac:	1.000	Analyzed:	10/01/09

Type: BS Lab ID: QC514459

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,204	88	53-122

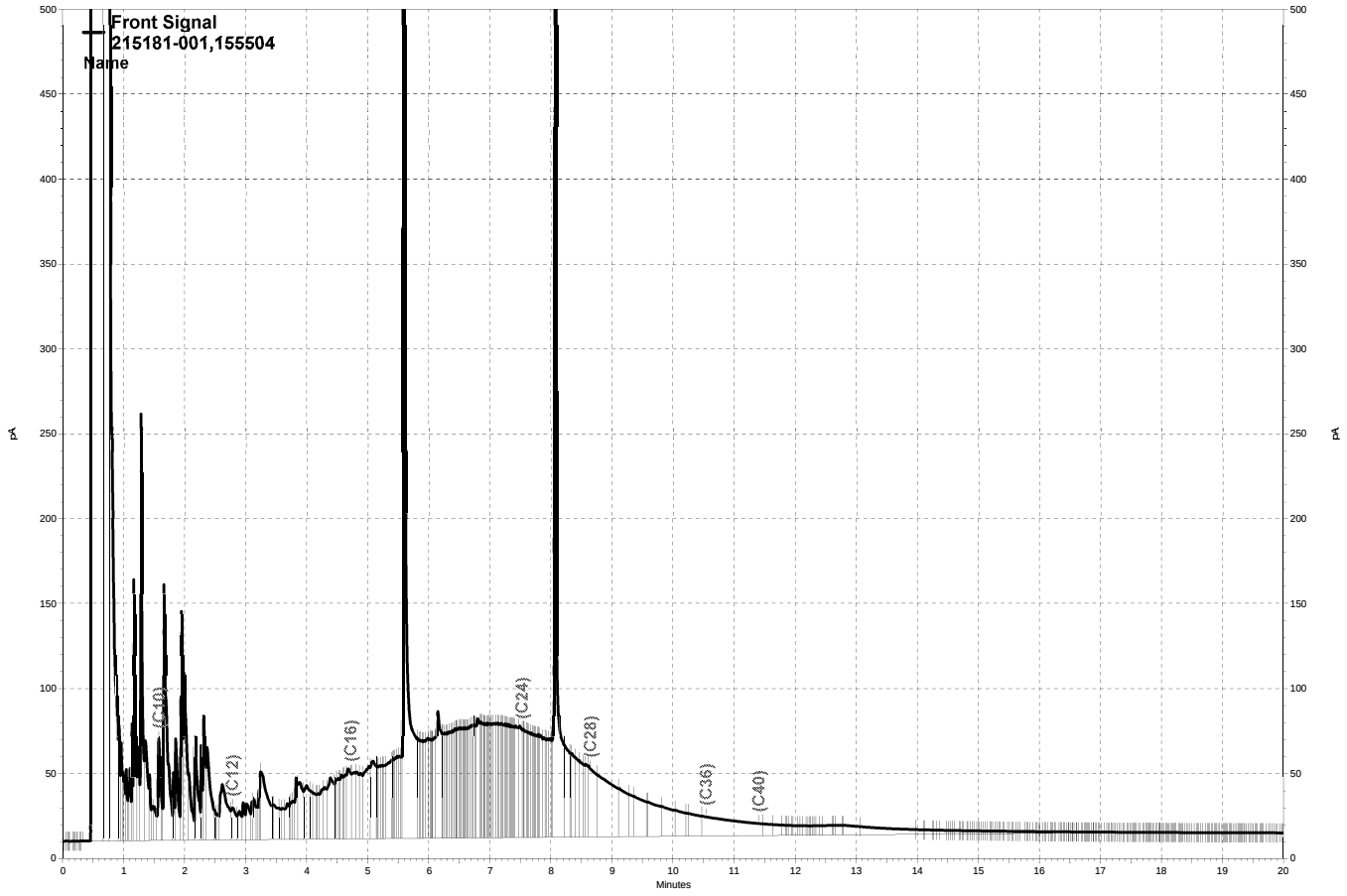
Surrogate	%REC	Limits
o-Terphenyl	89	60-130

Type: BSD Lab ID: QC514460

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,223	89	53-122	1	36

Surrogate	%REC	Limits
o-Terphenyl	88	60-130

RPD= Relative Percent Difference



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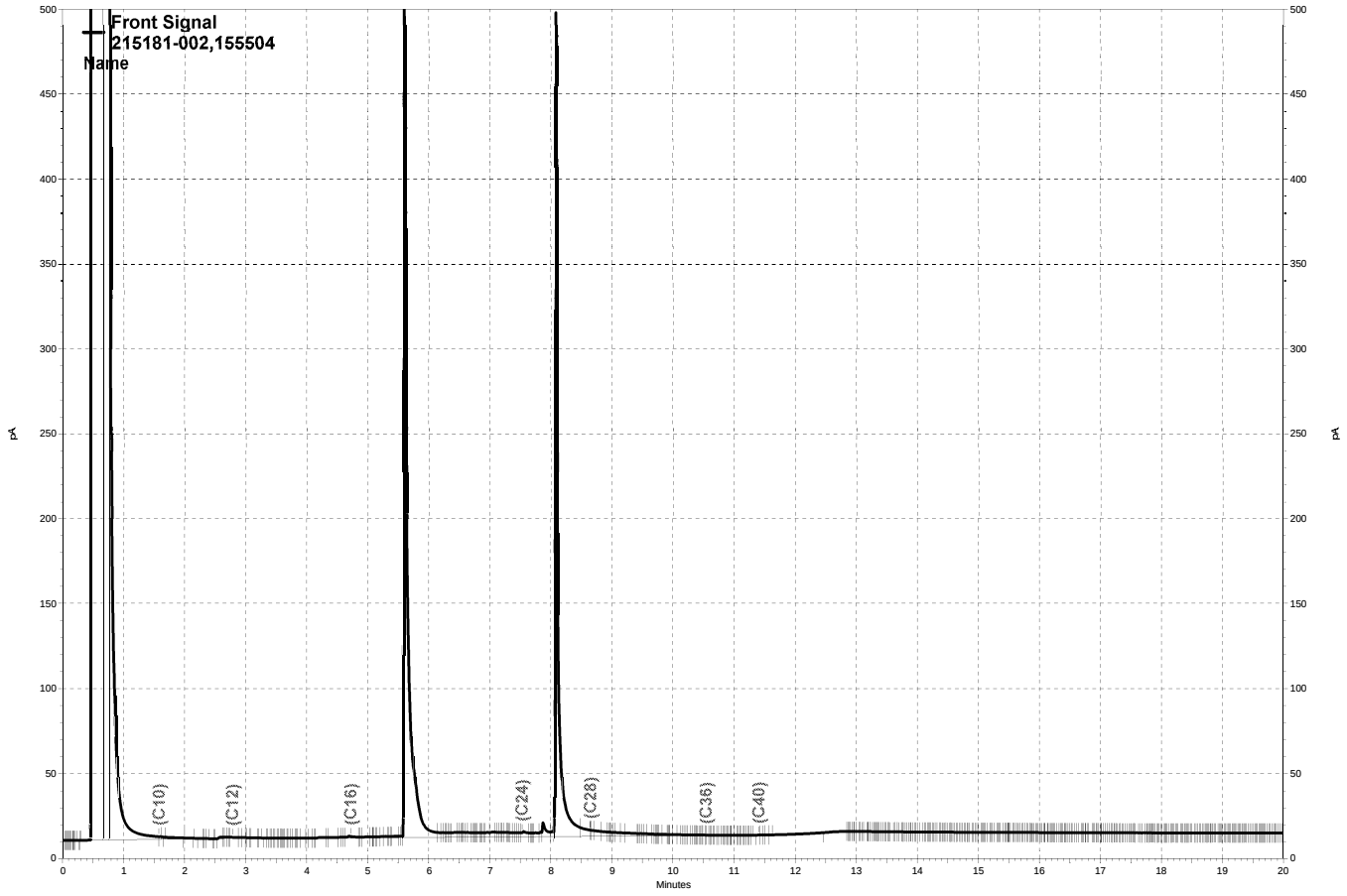

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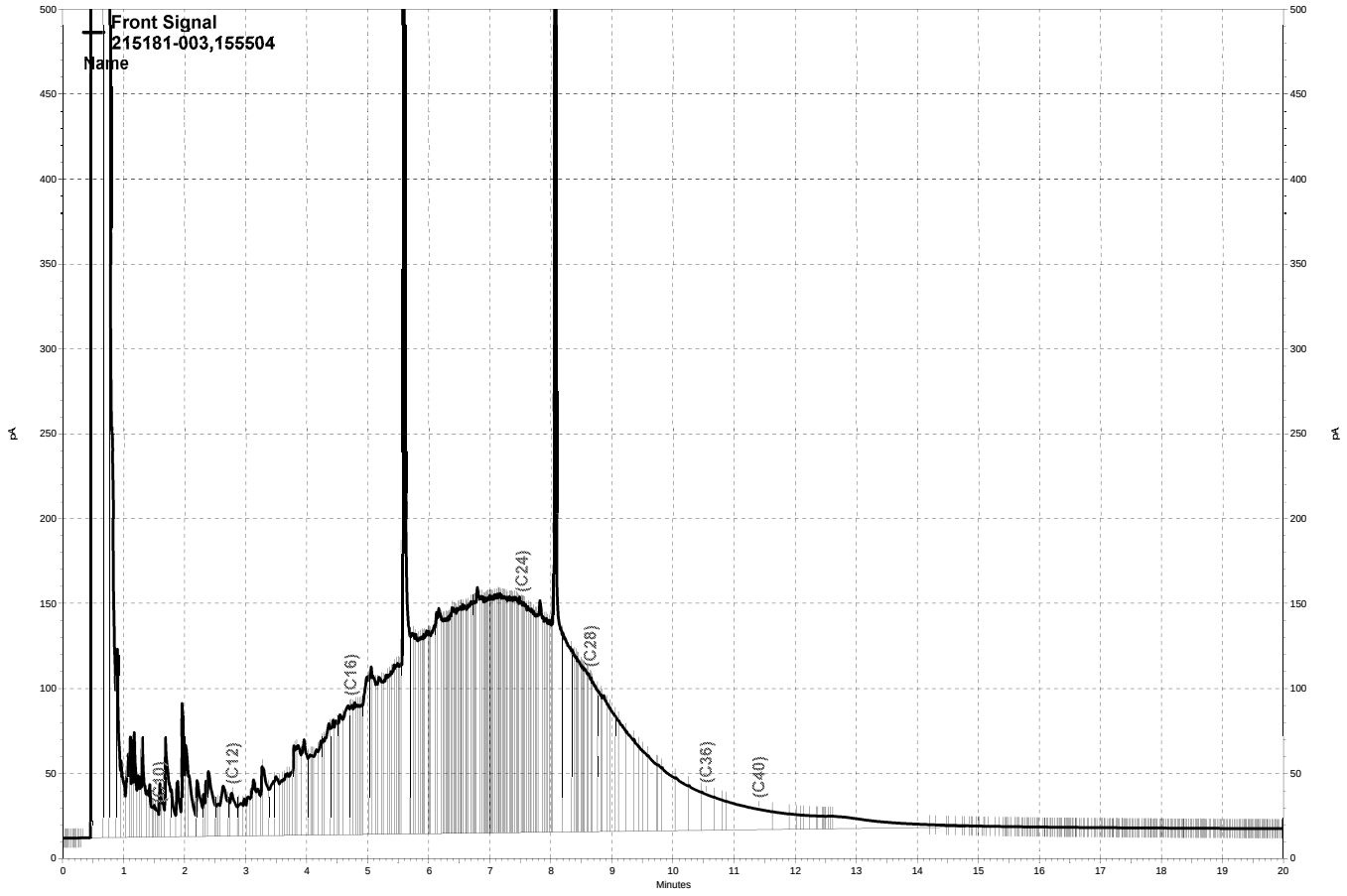

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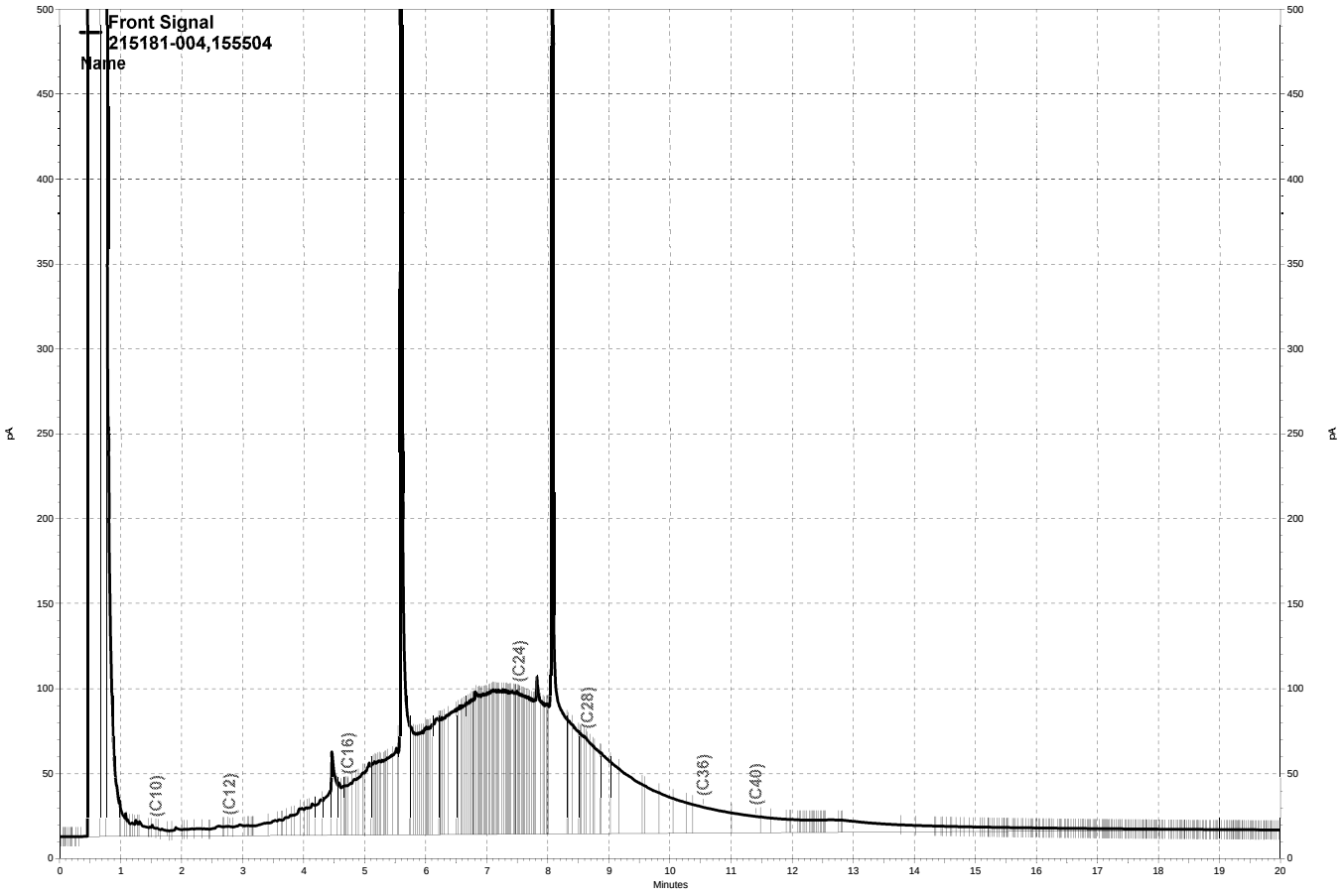
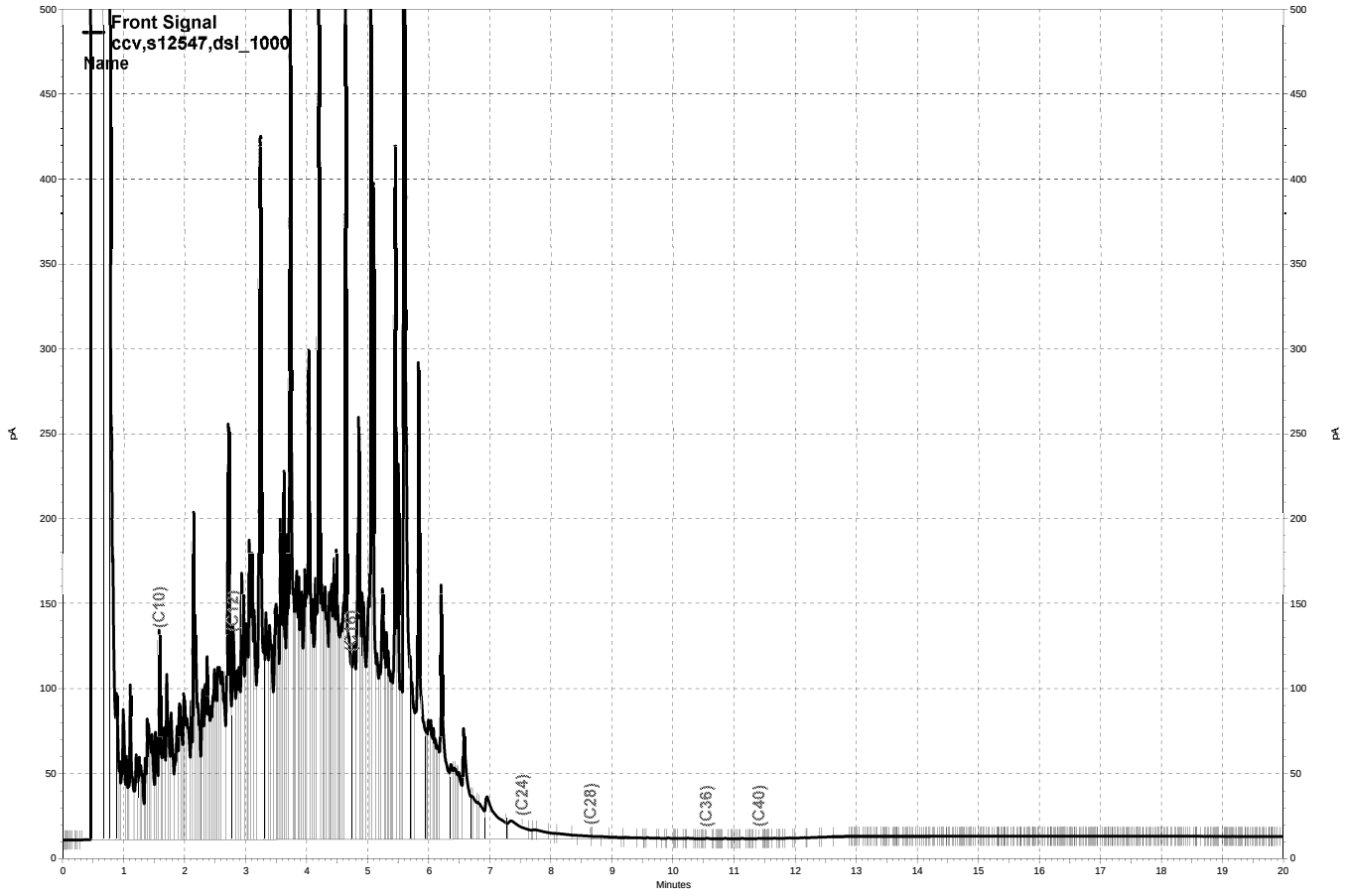


G:\ezchrom\Projects\GC27\Data\274a022.dat, Front Signal



G:\ezchrom\Projects\GC27\Data\274a005.dat, Front Signal

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	155625
Lab ID:	215181-001	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/03/09
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	0.8	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	0.6	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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	155625
Lab ID:	215181-001	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/03/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	0.9	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	1.0	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	35	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	78	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	1.4	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	14	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	23	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

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	109	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	106	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	155580
Lab ID:	215181-002	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	155580
Lab ID:	215181-002	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	103	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	155625
Lab ID:	215181-003	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/04/09
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	0.9	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	0.5	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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	155625
Lab ID:	215181-003	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	3.0	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	16	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	33	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	1.1	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	11	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	0.8	0.5
n-Butylbenzene	11	0.5
1,2-Dichlorobenzene	0.7	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

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	103	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	155580
Lab ID:	215181-004	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
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	19	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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	155580
Lab ID:	215181-004	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	104	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	155580
Lab ID:	215181-005	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	155580
Lab ID:	215181-005	Sampled:	09/23/09
Matrix:	Water	Received:	09/23/09
Units:	ug/L	Analyzed:	10/02/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	104	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC514784	Batch#:	155580
Matrix:	Water	Analyzed:	10/02/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.88	100	75-131
Benzene	25.00	26.08	104	80-120
Trichloroethene	25.00	26.18	105	80-121
Toluene	25.00	25.95	104	80-120
Chlorobenzene	25.00	27.01	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	103	75-137
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-123

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC514785	Batch#:	155580
Matrix:	Water	Analyzed:	10/02/09
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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC514785	Batch#:	155580
Matrix:	Water	Analyzed:	10/02/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	104	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	155580
MSS Lab ID:	215341-015	Sampled:	09/30/09
Matrix:	Water	Received:	09/30/09
Units:	ug/L	Analyzed:	10/02/09
Diln Fac:	1.000		

Type: MS Lab ID: QC514838

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1040	25.00	25.74	103	80-131
Benzene	0.2020	25.00	26.20	104	80-122
Trichloroethene	<0.1466	25.00	26.57	106	77-129
Toluene	<0.1000	25.00	25.94	104	80-122
Chlorobenzene	<0.1291	25.00	26.70	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	106	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-123

Type: MSD Lab ID: QC514839

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.66	99	80-131	4	20
Benzene	25.00	25.24	100	80-122	4	20
Trichloroethene	25.00	25.24	101	77-129	5	20
Toluene	25.00	25.05	100	80-122	3	20
Chlorobenzene	25.00	25.84	103	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	106	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-123

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC514979	Batch#:	155625
Matrix:	Water	Analyzed:	10/03/09
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 #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC514979	Batch#:	155625
Matrix:	Water	Analyzed:	10/03/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	104	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215181	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	155625
Units:	ug/L	Analyzed:	10/03/09
Diln Fac:	1.000		

Type: BS Lab ID: QC514980

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	19.75	99	75-131
Benzene	20.00	19.59	98	80-120
Trichloroethene	20.00	19.75	99	80-121
Toluene	20.00	19.36	97	80-120
Chlorobenzene	20.00	19.93	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	102	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-123

Type: BSD Lab ID: QC514981

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	20.82	104	75-131	5	20
Benzene	20.00	20.46	102	80-120	4	20
Trichloroethene	20.00	20.80	104	80-121	5	20
Toluene	20.00	20.28	101	80-120	5	20
Chlorobenzene	20.00	20.71	104	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	102	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-123

RPD= Relative Percent Difference


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 215202
ANALYTICAL REPORT

Ninyo & Moore	Project : 401314005
1956 Webster St.	Location : Holland Park
Oakland, CA 94612	Level : II

Sample ID	Lab ID
MW-7	215202-001
MW-10	215202-002
MW-11	215202-003
MW-12	215202-004

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: Lisa Booker Date: 10/06/2009
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**215202**
Client:	**Ninyo & Moore**
Project:	**401314005**
Location:	**Holland Park**
Request Date:	**09/24/09**
Samples Received:	**09/24/09**

This data package contains sample and QC results for four water samples, requested for the above referenced project on 09/24/09. The samples were received cold and intact.

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

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

CHAIN OF CUSTODY RECORD

Pg 1 of 1

CET
Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: 215202

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y☐ N☐	4. SEALED	Y☐ N☐
2. HEADSPACE (VOA)	Y☐ N☐	5. # OF SPLS MATCH COC	Y☐ N☐
3. CONTAINER INTACT	Y☐ N☐	6. PRESERVED	Y☐ N☐

Client: Ninyon Moore
Attn: Kris Larson
Address: 1956 Webster St
City Oakland State CA Zip Code 94612
TEL: (510) 633 5640
FAX: (510) 633 5646

Project Name: Holland Project #: 401314005 Sampler: (Printed Name) Blair Bridges (Signature) B Bridges

Relinquished by: (Signature and Printed Name) Blair Bridges B Bridges	Date: 9/24/09	Time: 1725	Received by: (Signature and Printed Name) SAM ENA	Date: 9/24/9	Time: 17:25
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Blair Bridges (Print Name) _____ (Date)
B Bridges (Signature)

Send Report To:
Attn: Kris Larson
Co: Nam
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: Nam
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TPHG-D 8015B	VOCs 8260B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	1	MW-7	9/24/09	0740									X	X			X			E	7	G	C	
	2	MW-10		1145									X	X			X				6V	G	HC	
	3	MW-11		1150									X	X			X							
	4	MW-12	↓	0956									X	X			X			↓	↓	↓	↓	

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 215202 Date Received 9/24/09 Number of coolers 1
Client NINYO & MOORE Project HOLLAND

Date Opened 9/24/09 By (print) M. VILLANUEVA (sign)
Date Logged in 9-25-09 By (print) J. Goyette (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:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☑ Samples Received on ice & cold without a temperature blank

☐ 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 samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES (NO)
If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	155605
Units:	ug/L	Sampled:	09/24/09
Diln Fac:	1.000	Received:	09/24/09

Field ID: MW-7 Lab ID: 215202-001
Type: SAMPLE Analyzed: 10/03/09

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	64-147
Bromofluorobenzene (FID)	89	71-138

Field ID: MW-10 Lab ID: 215202-002
Type: SAMPLE Analyzed: 10/03/09

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	64-147
Bromofluorobenzene (FID)	91	71-138

Field ID: MW-11 Lab ID: 215202-003
Type: SAMPLE Analyzed: 10/03/09

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	64-147
Bromofluorobenzene (FID)	92	71-138

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	155605
Units:	ug/L	Sampled:	09/24/09
Diln Fac:	1.000	Received:	09/24/09

Field ID:	MW-12	Lab ID:	215202-004
Type:	SAMPLE	Analyzed:	10/03/09

Analyte	Result	RL
Gasoline C7-C12	94 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	64-147
Bromofluorobenzene (FID)	107	71-138

Type:	BLANK	Analyzed:	10/02/09
Lab ID:	QC514889		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	64-147
Bromofluorobenzene (FID)	89	71-138

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 #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC514890	Batch#:	155605
Matrix:	Water	Analyzed:	10/02/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,180	109	77-118

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	64-147
Bromofluorobenzene (FID)	109	71-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	155605
MSS Lab ID:	215219-002	Sampled:	09/25/09
Matrix:	Water	Received:	09/25/09
Units:	ug/L	Analyzed:	10/02/09
Diln Fac:	1.000		

Type: MS Lab ID: QC514891

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	7.988	2,000	2,151	107	66-110

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	64-147
Bromofluorobenzene (FID)	118	71-138

Type: MSD Lab ID: QC514892

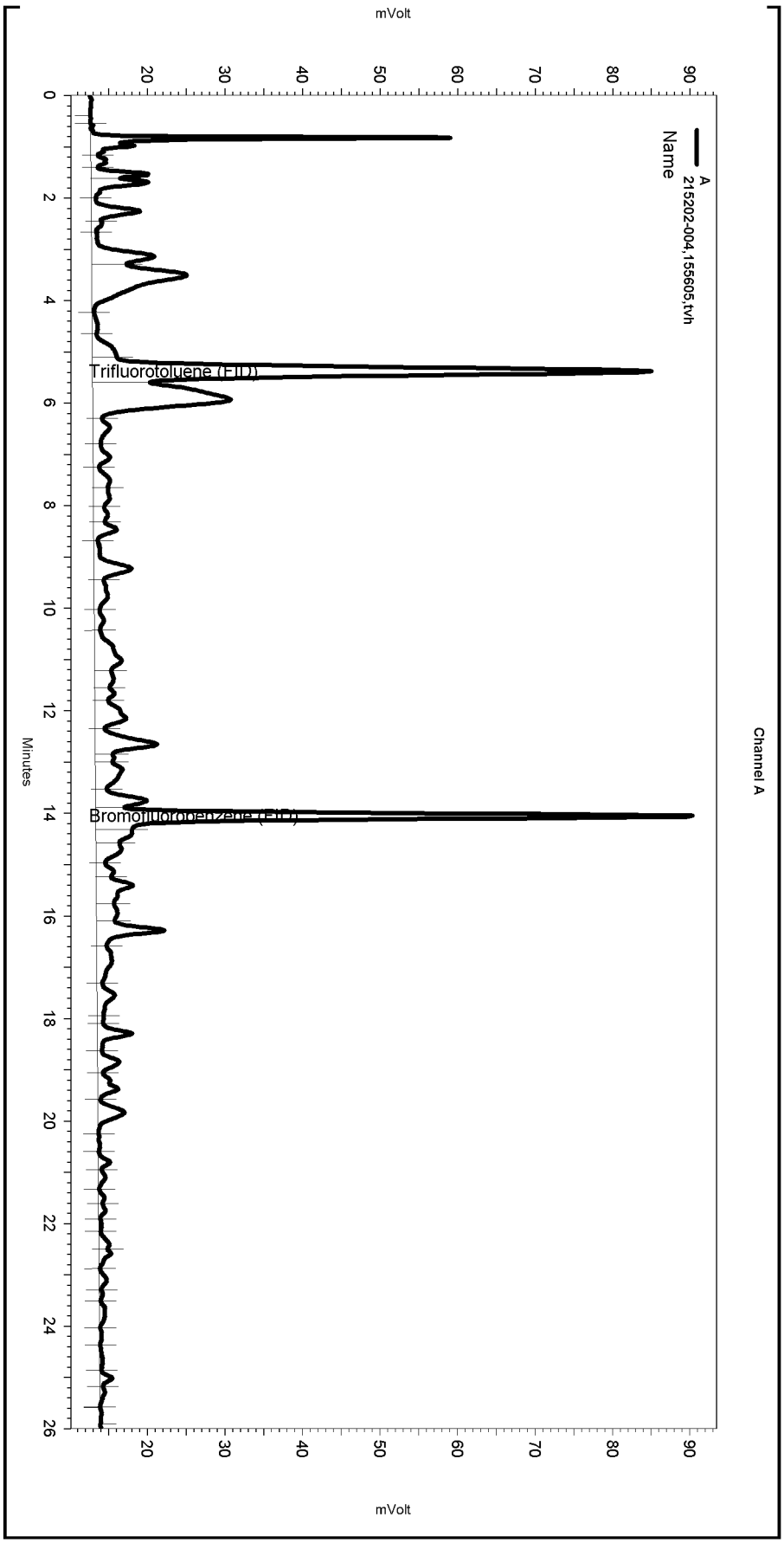
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,157	107	66-110	0	11

Surrogate	%REC	Limits
Trifluorotoluene (FID)	138	64-147
Bromofluorobenzene (FID)	117	71-138

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\275.seq**
Sample Name: **215202-004,155605,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\275_023**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe271.met

Software Version 3.1.7
Run Date: 10/3/2009 2:23:57 AM
Analysis Date: 10/3/2009 11:43:46 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\275_023

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.112	0	0
Yes	Split Peak	14.317	0	0

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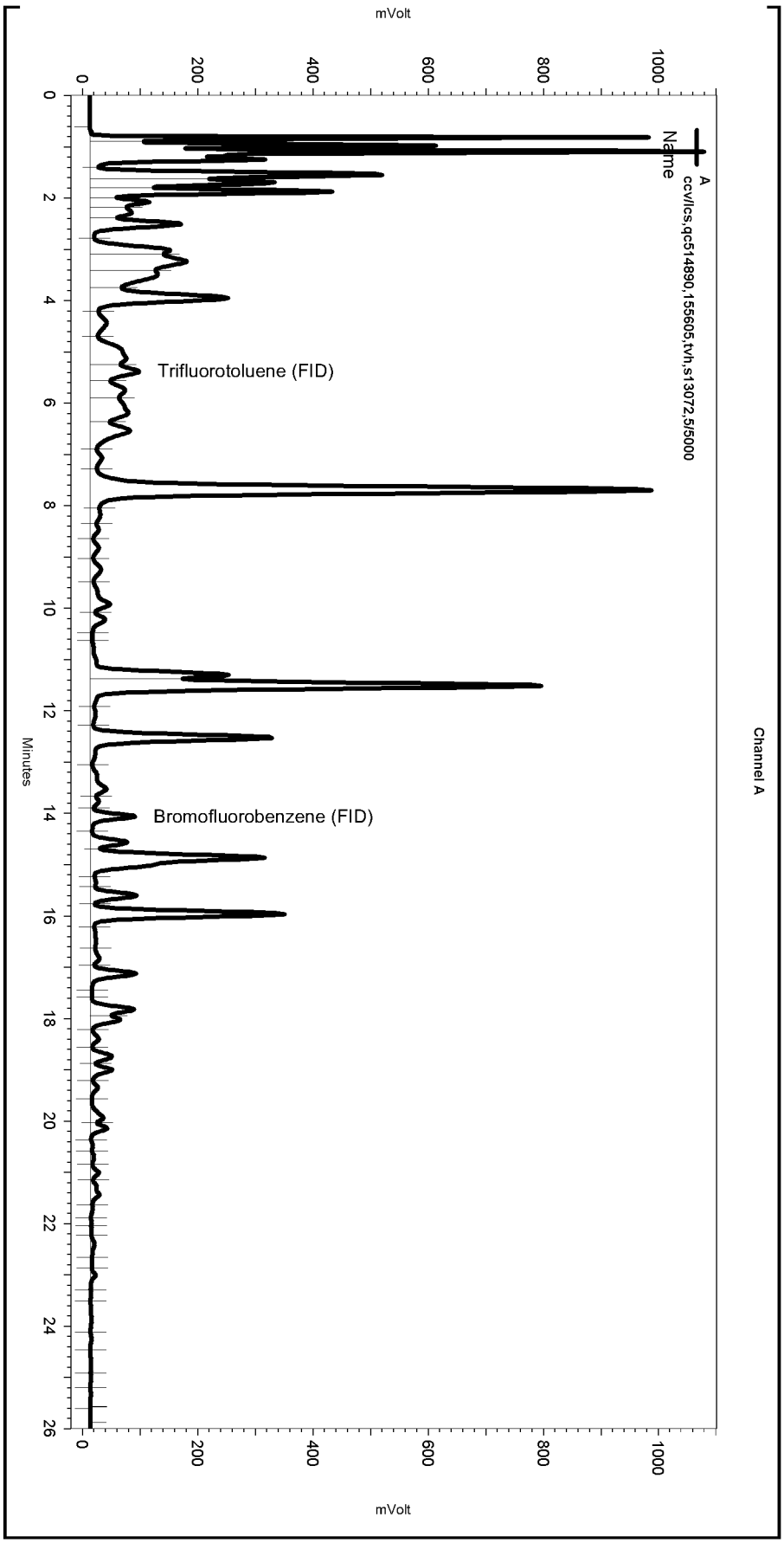
Sample Name: **ccv/lcs,qc514890,155605,tvh,s13072,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\275_006**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe271.met

Software Version 3.1.7
Run Date: 10/2/2009 1:55:35 PM
Analysis Date: 10/3/2009 11:33:22 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\275_006

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 3520C
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	09/24/09
Units:	ug/L	Received:	09/24/09
Diln Fac:	1.000	Prepared:	09/30/09
Batch#:	155504		

Field ID: MW-7 Lab ID: 215202-001
Type: SAMPLE Analyzed: 10/02/09

Analyte	Result	RL
Diesel C10-C24	1,000	50

Surrogate	%REC	Limits
o-Terphenyl	92	60-130

Field ID: MW-10 Lab ID: 215202-002
Type: SAMPLE Analyzed: 10/02/09

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	88	60-130

Field ID: MW-11 Lab ID: 215202-003
Type: SAMPLE Analyzed: 10/02/09

Analyte	Result	RL
Diesel C10-C24	420	50

Surrogate	%REC	Limits
o-Terphenyl	92	60-130

Field ID: MW-12 Lab ID: 215202-004
Type: SAMPLE Analyzed: 10/02/09

Analyte	Result	RL
Diesel C10-C24	850	50

Surrogate	%REC	Limits
o-Terphenyl	93	60-130

Type: BLANK Analyzed: 10/01/09
Lab ID: QC514458

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	92	60-130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 3520C
Project#:	401314005	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	155504
Units:	ug/L	Prepared:	09/30/09
Diln Fac:	1.000	Analyzed:	10/01/09

Type: BS Lab ID: QC514459

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,204	88	53-122

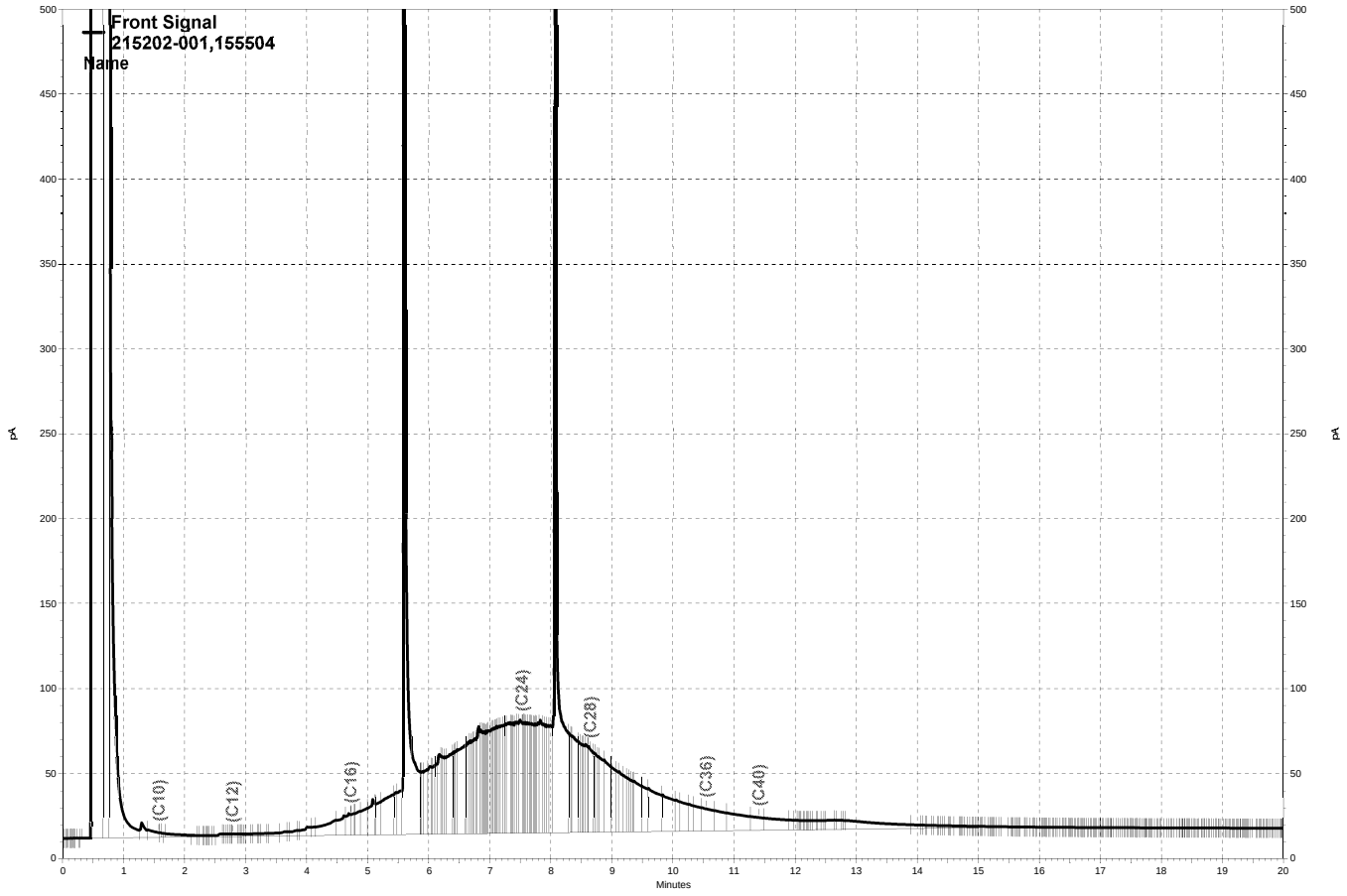
Surrogate	%REC	Limits
o-Terphenyl	89	60-130

Type: BSD Lab ID: QC514460

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,223	89	53-122	1	36

Surrogate	%REC	Limits
o-Terphenyl	88	60-130

RPD= Relative Percent Difference



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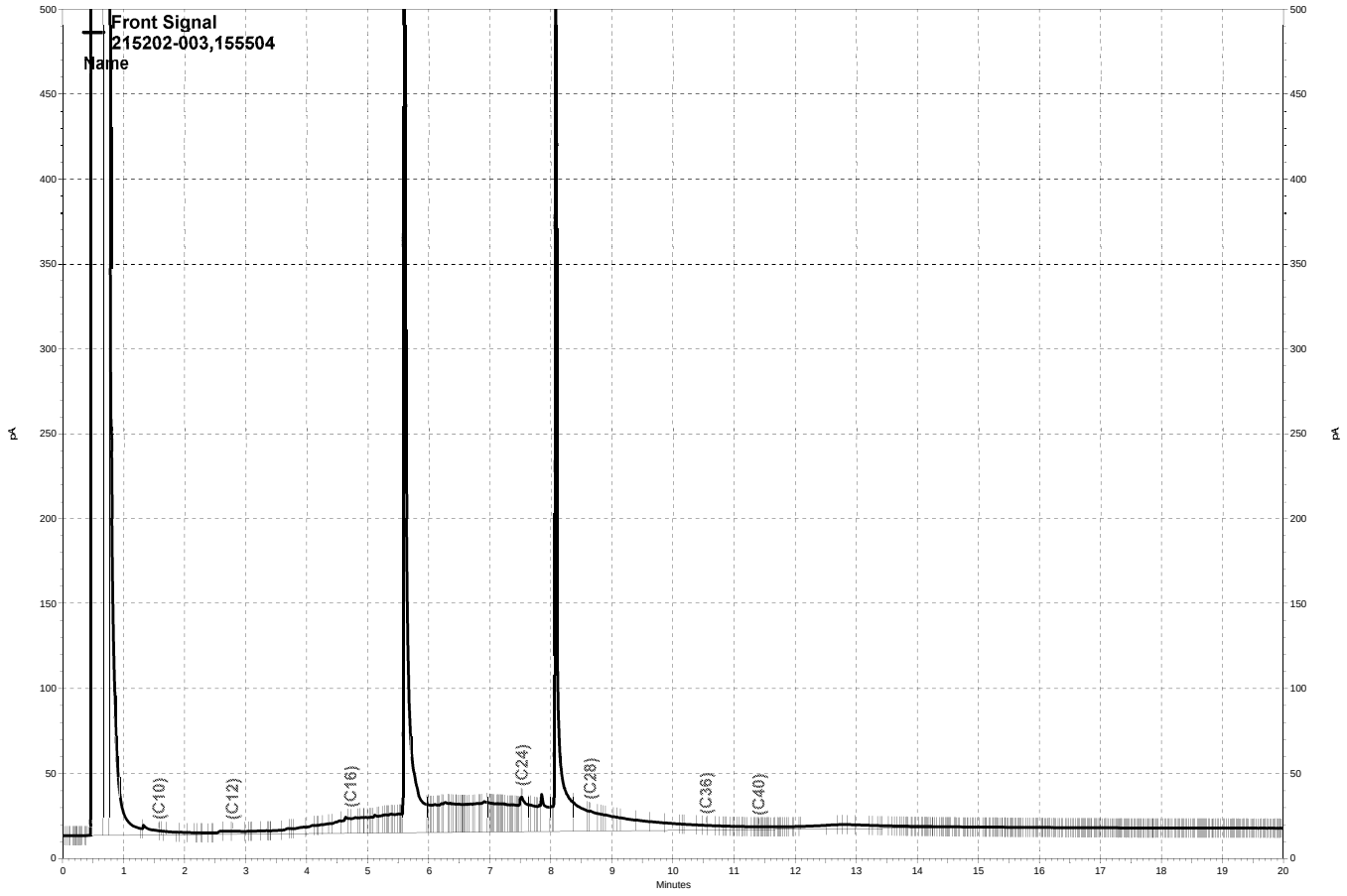

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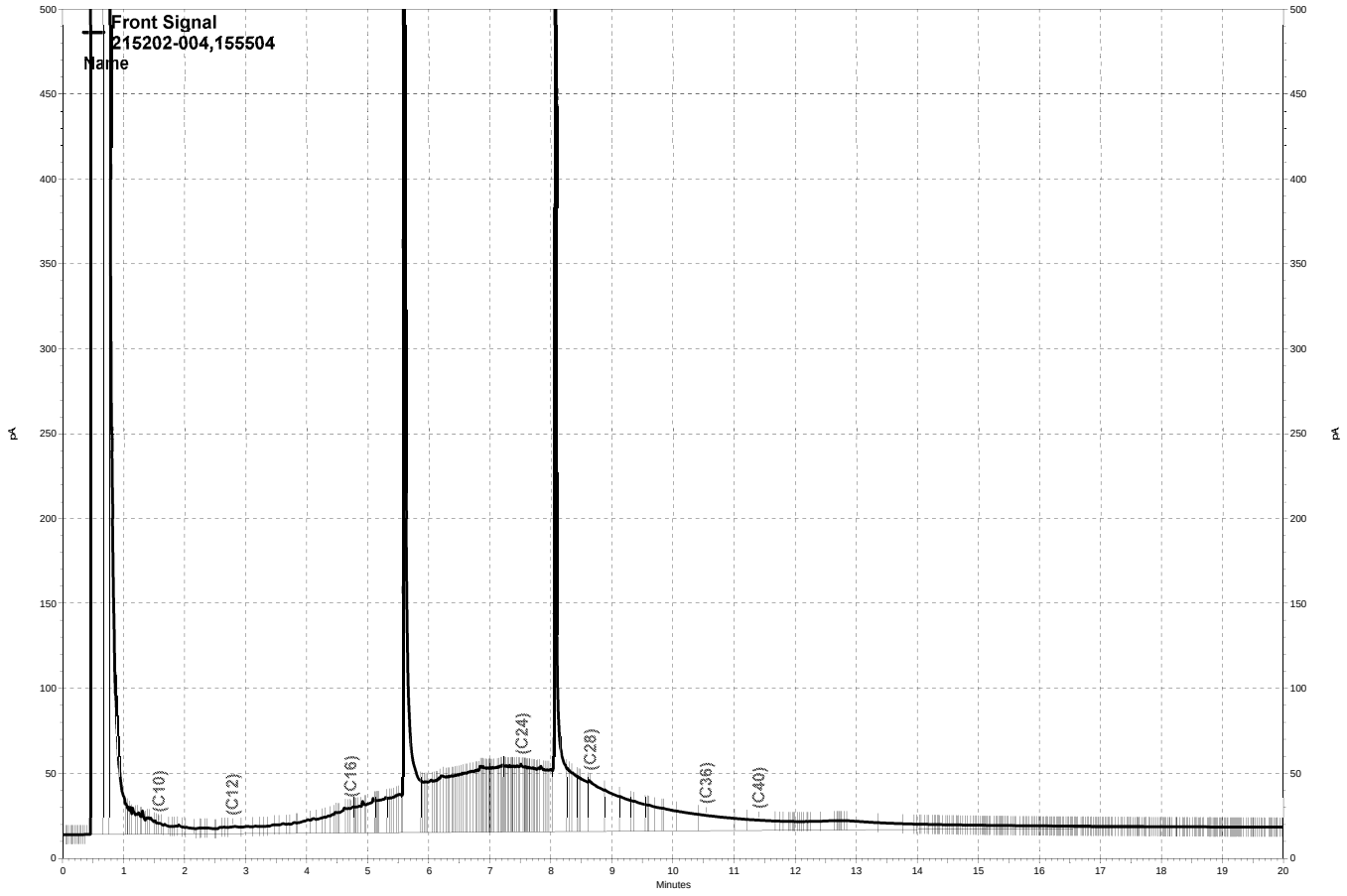

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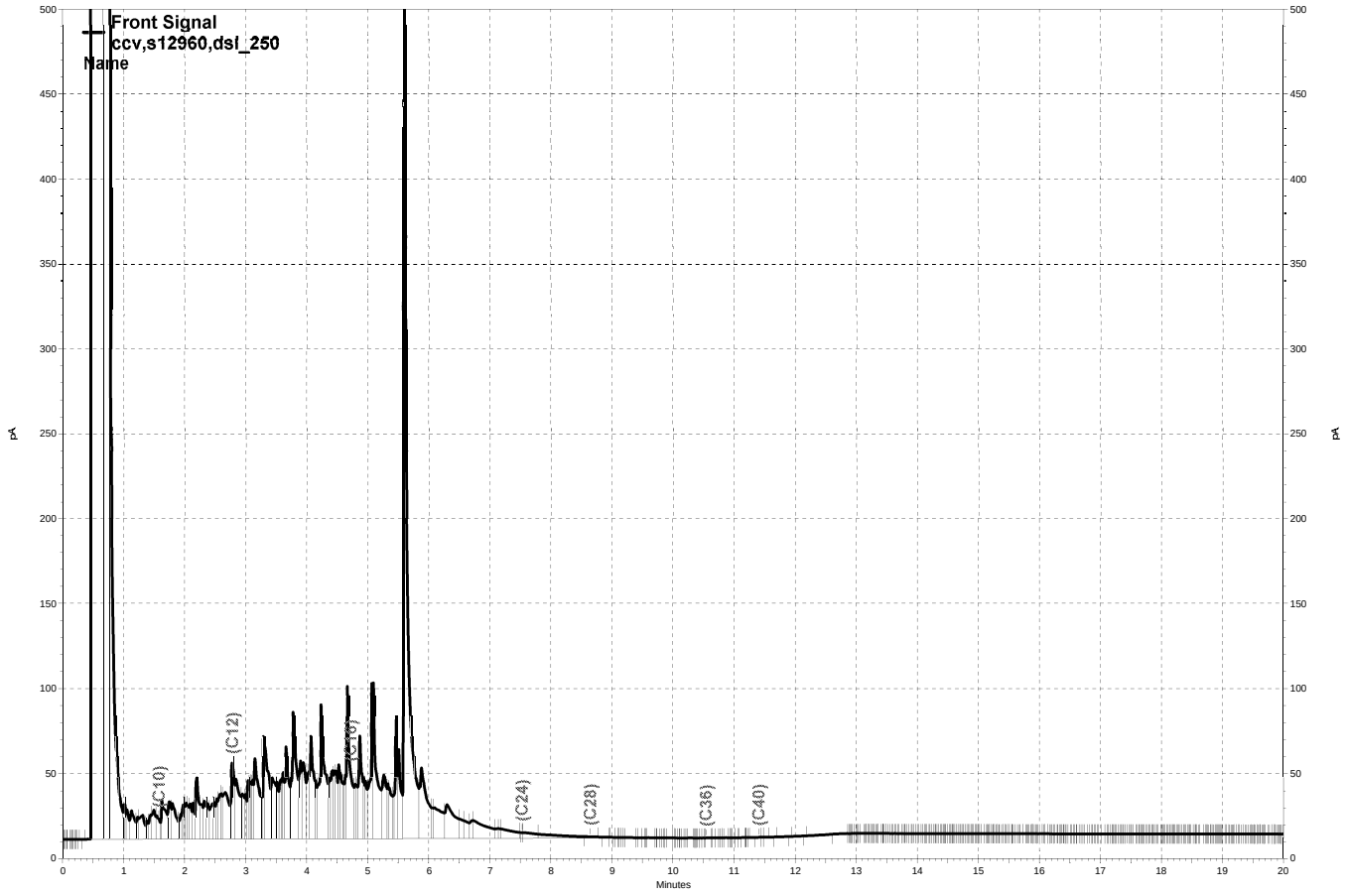

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	155634
Lab ID:	215202-001	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	155634
Lab ID:	215202-001	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	111	75-137
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	155634
Lab ID:	215202-002	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	155634
Lab ID:	215202-002	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	111	75-137
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	155634
Lab ID:	215202-003	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	155634
Lab ID:	215202-003	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
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	0.8	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

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	112	75-137
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	155634
Lab ID:	215202-004	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	155634
Lab ID:	215202-004	Sampled:	09/24/09
Matrix:	Water	Received:	09/24/09
Units:	ug/L	Analyzed:	10/04/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	107	75-137
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC515017	Batch#:	155634
Matrix:	Water	Analyzed:	10/04/09
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 #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC515017	Batch#:	155634
Matrix:	Water	Analyzed:	10/04/09
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

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	107	75-137
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	215202	Location:	Holland Park
Client:	Ninyo & Moore	Prep:	EPA 5030B
Project#:	401314005	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	155634
Units:	ug/L	Analyzed:	10/04/09
Diln Fac:	1.000		

Type: BS Lab ID: QC515018

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	21.59	108	75-131
Benzene	20.00	21.37	107	80-120
Trichloroethene	20.00	20.98	105	80-121
Toluene	20.00	20.71	104	80-120
Chlorobenzene	20.00	21.05	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	105	75-137
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-123

Type: BSD Lab ID: QC515019

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	21.79	109	75-131	1	20
Benzene	20.00	20.81	104	80-120	3	20
Trichloroethene	20.00	20.46	102	80-121	3	20
Toluene	20.00	20.15	101	80-120	3	20
Chlorobenzene	20.00	20.72	104	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	106	75-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-123

RPD= Relative Percent Difference