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By Alameda County Environmental Health at 2:34 pm, Sep 26, 2013

September 23, 2013

Mr. Jerry Wickham, PG
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Re: 2013 Well Installation, Dispenser Excavation Completion, and Site Assessment
Report**

P&D 23rd Avenue Associates LLC
(Formerly 23rd Avenue Partners)
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018H
ACEH Fuel Case Leak No. RO0000294

Dear Mr. Wickham,

As the legally authorized representative of the above-referenced project location, I have reviewed the attached report prepared by my consultant of record, Clearwater Group. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,


Mr. John Protopappas



September 25, 2013

Mr. Jerry Wickham, P.G.
Senior Hazardous Materials Specialist
Alameda County
Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: 2013 Well Installation, Dispenser Excavation Completion, and Site Assessment Report

P&D 23rd Avenue Associates LLC
(Formerly 23rd Avenue Partners)
1125 Miller Avenue
Oakland, California
Geotracker Global ID # T0600177455
Clearwater Group Project Number CB018H

Dear Mr. Wickham,

This report, prepared by Clearwater Group (Clearwater) on behalf of P&D 23rd Avenue Associates LLC, summarizes the results of well installation, dispenser excavation completion, and site assessment activities conducted in June, July, and August, 2013, at 1125 Miller Avenue in Oakland, Alameda County, California (*site*) [**Figures 1 and 2**]. This report responds to items #2 and #3 from the last directive, dated June 5, 2013, from Alameda County Environmental Health (ACEH), which is included in **Attachment A**.

A summary (which is periodically updated) of historic investigation work, remediation completed at the *site*, and details regarding groundwater-monitoring activities is included as **Attachment B**; a reference list is included at the end of the summary text. Well construction details for groundwater-monitoring wells MW-1 through MW-3 are included in **Table 1**. Field activities were performed in general accordance with Clearwater's field protocols, included as **Attachment C**.

PREPARATORY ACTIVITIES

Safety Plan

Clearwater updated the existing site health and safety plan for the *site* to reflect the hazards associated with the excavation completion, well installation and development, and anticipated groundwater monitoring events.



Well Permit

A Water Resources Well Permit from Alameda County Public Works Agency was acquired to install the five requested groundwater monitoring wells. A copy of the Water Resources Well Permit is included in **Attachment D**. (Note that two of these permitted wells have not yet been installed.)

Underground Service Alert

Underground Service Alert (USA) was notified of the subsurface exploration on June 11, 2013. USA notified those utility and service companies with underground utilities on or near the *site* to mark their utilities prior to the subsurface work, under utility locate ticket number 0220777. Pacific Gas and Electric Company identified an electrical line in Miller Place (previously unmarked and near previous boring S7).

Borehole Clearance and Concrete Coring

Pipe Pros, a ground penetrating radar firm, was engaged to clear all of the holes prior to concrete coring of each borehole.

Utility Clearance

There are several identified underground utilities close to the proposed well installation locations as well as subsurface obstacles known as a result of previous encounters (i.e. boring S6) during subsurface investigations at the *site*, which has a long history of significant reconstructions via property and street relocations. For this reason, on June 13, 2013, Clearwater subcontracted with Gregg Drilling and Testing, Inc. (Gregg), a C-57 licensed drilling contractor (license number 485165), to perform air-knife utility clearance at the proposed well locations. In the proposed location for MW-1, a cast iron pipe (main sewer lateral) was encountered at 17 inches below ground surface (bgs) so the proposed location was moved 2 feet away, cored and air-knifed again, and found to be clear of obstructions. The proposed location for MW-2 was found to be clear of obstructions during air-knife. A metal plate completely obscured the borehole at 8 feet bgs in the proposed location for MW-3 so an adjacent step-out location was tried. The second hole adjacent to the proposed well location for MW-3 encountered piping associated with the metal slab. A third adjacent step-out for MW-3 was found to be clear of obstructions. The holes were covered with soil drums in preparation for the well installations the next day. Photographs of the air-knife clearance are included in **Attachment E**.

SOIL BORINGS

On June 14, 2013, a Clearwater professional geologist oversaw the drilling of three boreholes, S15 (MW-2), S16 (MW-3), and S17 (MW-1), which were later converted into groundwater monitoring wells by Gregg. Boreholes S15 and S17 were pushed using direct-push technology, and the soil cores were collected in acetate liners for stratigraphic logging and soil sampling. However, borehole S16 was located too close to the building for direct-push technology to be used, and therefore stratigraphic logging and soil sampling were completed using soil samples collected from the drill cuttings. The soil stratigraphy was logged by the Clearwater geologist, and photoionization detector (PID) readings were collected approximately every 4 feet in each of the borings. Soil samples were collected from locations of high PID readings, at ten feet bgs [per



the Low-Threat Closure Policy (LTCP) guidelines], and at the bottom of the borehole.

Laboratory Analyses

Soil samples were analyzed by Kiff Analytical, LLC (Kiff), a State of California Department of Health Services-certified analytical laboratory, located in Davis, California. The samples were analyzed for concentrations of benzene, toluene, ethylbenzene, and xylenes (collectively known as BTEX); five gasoline oxygenates [methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA)]; total petroleum hydrocarbons as gasoline (TPH-g); and volatile organic compounds including tetrachloroethene and its breakdown products by United States Environmental Protection Agency (EPA) Method 8260B. The samples were also analyzed for total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015M. The analytical report including chain-of-custody documentation (Kiff Report number 85145) is included in **Attachment F**.

Analytical Results

Various concentrations of the constituents of concern were detected in the soil samples collected from each of the soil borings. All soil sample analytical results for borings S16 (MW-3) and S17 (MW-1) were below the detection limits for all analytes except for TPH-d, which is not included as a standard in the LTCP guidelines. Both benzene and ethylbenzene were detected in soil samples collected from S15 (MW-2) in small concentrations; however, no detected concentrations exceeded LTCP guidelines. Analytical results are presented in **Table 2**; they are also shown in **Figure 3** which displays only the LTCP constituents of concern results plotted on the *site* plan.

GROUNDWATER MONITORING WELL INSTALLATION

Three groundwater monitoring wells were installed at the *site* for groundwater monitoring and testing. All three wells were drilled using a hollow-stem auger which was 8 inches in diameter. All wells are constructed with 2-inch diameter schedule 40 polyvinyl chloride casings screened from 9.0 feet bgs to 24.0 feet bgs with 0.02-inch slotting. A cement grout cap was placed from the ground surface to 7.0 feet bgs. The bentonite seal extended from 7.0 feet bgs to 8.0 feet bgs, and the filter pack (2/12 sand) extended from 8.0 feet bgs to 25.0 feet bgs. A locking plug was attached to the top of the well casing, and the well was completed with a steel, ground-level well vault set in concrete. The top of the well lid is about 1/8 to 1/4 inch above the ground surface so that water will drain away from the well box. Boring logs with well construction details for wells MW-1 through MW-3 are included as **Attachment G**.

ACTIVITIES CONDUCTED AFTER THE WELL INSTALLATION

Well Development

On June 20, 2013, National Exploration Wells and Pumps, Inc. (National) developed two of the three newly installed groundwater monitoring wells. Both of the new groundwater monitoring wells were developed by first bailing sediment from the well, then surging the well with a surge block along the screened interval, followed by bailing and pumping of the well, using an electric



submersible pump, to remove sediment. Ten well volumes of groundwater were removed from each well during development. **Attachment H** presents the Well Development Data Sheets from the well developments. MW-1 and MW-2 were developed; due to a miscommunication MW-3 was not developed.

Well Surveying

The well locations and top-of-casing elevations were surveyed on June 20, 2013 by Morrow Surveying, of West Sacramento, California, using a global positioning system (GPS) with sub-meter horizontal and vertical accuracy. Cumulative well construction data are provided in **Table 1**, and the well survey is included as **Attachment I**.

DISPOSAL OF INVESTIGATION-DERIVED WASTES

The soil generated during the well installations was temporarily stored on-site in 6 properly sealed and labeled drums. The results of composited soil disposal characterization samples collected during the drilling event (**Attachment F**) were submitted to Integrated Waste Management, Inc. (IWM) for disposal characterization. The soil drums were manifested and transported, for disposal, by IWM to Republic Services Vasco Road Landfill, located in Livermore, California, on July 26, 2013. The Certificate of Disposal for 6 drums of soil is included in **Attachment J**. The purge water generated during the well installation and development activities was temporarily stored on-site in properly sealed and labeled drums and transported by Confluence Environmental staff to Instrat, Inc. of Rio Vista, California for disposal on June 30, 2013. The Non-Hazardous Waste Manifest is included in **Attachment J**.

WELL COMPLETION RECORDS

Clearwater completed a California Department of Water Resources (DWR) Well Completion Record (Form 188) for each of the three new wells. An authorized representative for Gregg signed and returned the forms to Clearwater, and then Clearwater mailed the completed forms to DWR.

EXCAVATION COMPLETION

On June 11 and 12, 2013, Clearwater staff completed the excavation in the former dispenser room per the workplan. Clearwater staff first placed controlled density fill to just below slab surface. Then the vapor barrier was placed on top of the density fill. Rebar was installed into the exposed slab of the unfilled excavation by drilling into the concrete slab at the excavation sides. Once the vapor barrier and rebar were installed, the remaining slab was poured to match the existing concrete pad. Photographs of the excavation ‘backfill’ are included in **Attachment K**.

Lastly, the surface was prepared and sealed; on August 12 and 13, 2013, Clearwater staff installed the final vapor seal on the slab. On August 12, 2013, a grinder was used to sand the concrete, creating a surface for the vapor seal to adhere to. On August 13, 2013, Clearwater staff applied the “Aquafin Vaportight Coat” vapor seal to the entire surface of the excavation as



directed by the product instructions. Photographs of the vapor seal installation are included in **Attachment K**.

GEOTRACKER

Clearwater uploaded survey data spreadsheets known as GEO_X and GEO_Z and electronic laboratory reports (EDFs) to the State of California GeoTracker website (www.geotracker.swrcb.ca.gov) on August 7 and August 12, 2013, respectively. Confirmations of the submittal of these data electronically to the website are included in **Attachment L**. This report, upon its completion and certification, will be converted into a PDF file and uploaded to the GeoTracker website per the January 1, 2005, GEO_REPORT requirement.


REPORT LIMITATION

All work performed under this contract was directed by a licensed professional. The work was performed in accordance with generally accepted practices at the time the work was performed and completed in accordance with generally acceptable standards. In the course of normal business, recommendations by the in-house professional may include the use of equipment, services, or products in which the Company has an interest. Therefore, the Company is making full disclosure of potential or perceived conflicts of interest to all parties.

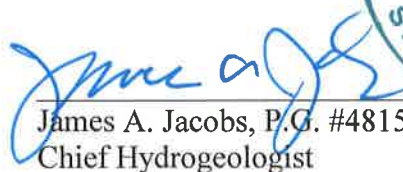
This report was prepared under the supervision of a State of California Professional Geologist, Engineer, or other licensed professional. Statements, conclusions, and recommendations made in this report are based on information provided to Clearwater, observations of existing site conditions, our general knowledge of the site, limited testing of selected soil and groundwater samples, and interpretations of a limited set of data. Clearwater cannot be held responsible for the accuracy of the analytical work performed by others.

Information and interpretation presented herein are for the use of the client. Third parties should rely upon the information and interpretation contained in this document at their own risk. No other warranties, certifications, or representations, either expressed or implied, are made about the information supplied in this report. The service performed by Clearwater has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site.

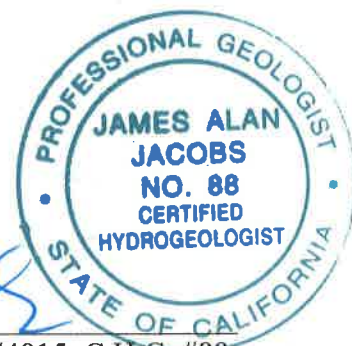
Sincerely,
CLEARWATER GROUP



Gavin P. Fisco
Geologist



James A. Jacobs, P.G. #4815, C.H.G. #88
Chief Hydrogeologist



Olivia Jacobs, C.E.M #1465
Chief Executive Officer



FIGURES

- Figure 1: Site Vicinity Map
- Figure 2: Site Plan
- Figure 3: Soil Sample Analytical Results

TABLES

- Table 1: Well Construction Data
- Table 2A: Cumulative Hydrocarbon Soil Sample Analytical Results
- Table 2B: Cumulative Volatile Organic Compound Soil Sample Analytical Results
- Table 3: Cumulative Groundwater Elevation and Analytical Results

ATTACHMENTS

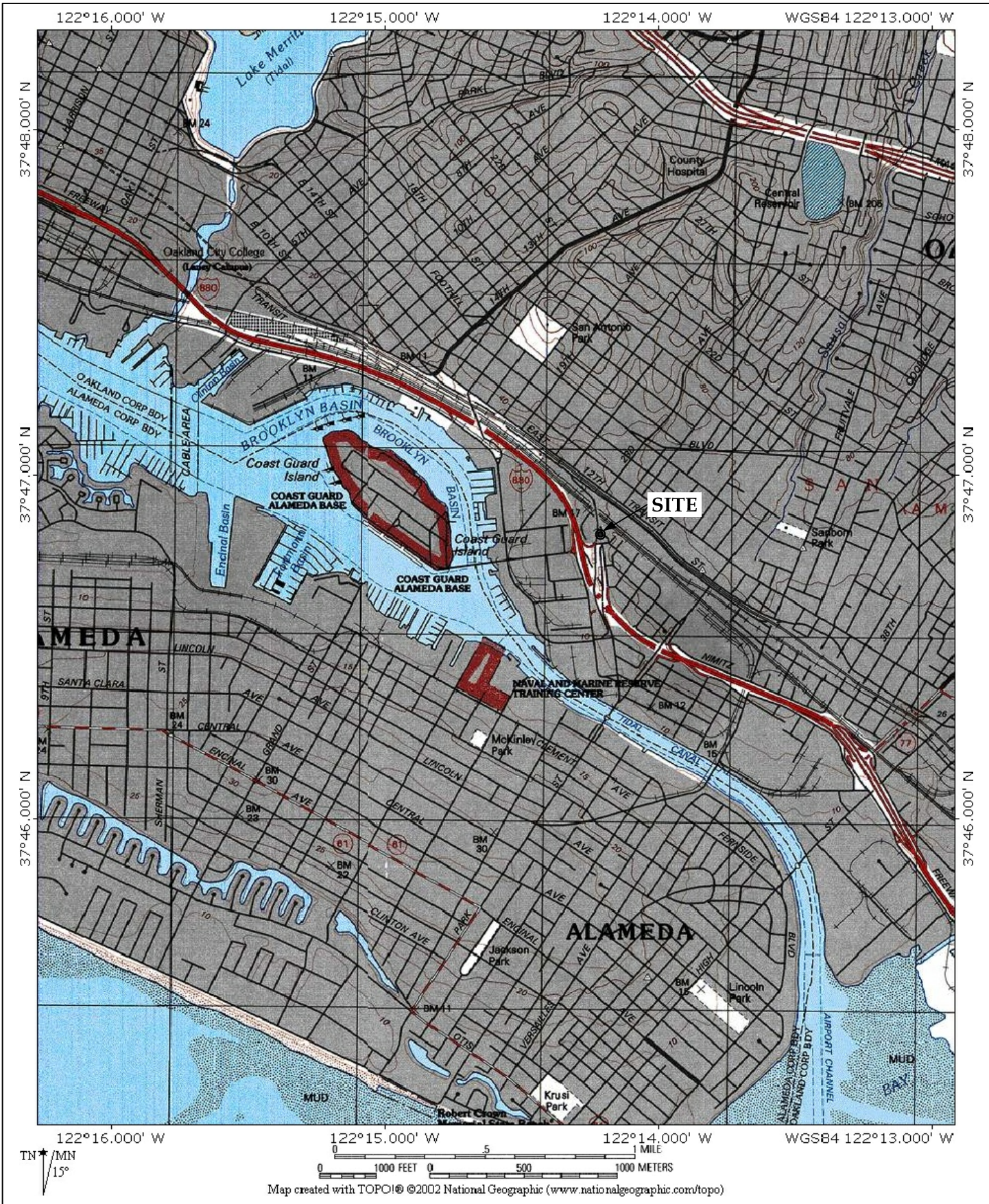
- Attachment A: ACEH June 5, 2013 *Conditional Work Plan Approval for Fuel Leak Case No. RO0000294 and GeoTracker Global ID T0600177455*
- Attachment B: Summary of Site Investigation Activities and References List
- Attachment C: Clearwater Group Soil Sampling Procedures
Clearwater Group Groundwater Monitoring Well Installation and Development Field Procedures
- Attachment D: Alameda County Public Works Agency – Water Resources Well Permit
- Attachment E: Photos from Air Knife Utility Clearance
- Attachment F: Kiff Analytical, LLC Report Number 85145
- Attachment G: Soil Boring Logs
- Attachment H: National EWP, Inc. Well Development Data Sheets
- Attachment I: Morrow Surveying Monitoring Well Exhibit
- Attachment J: IWM, Inc. Certificate of Disposal
Non-Hazardous Waste Manifest
- Attachment K: Photos for Excavation Close-up
Photos for Vapor Barrier Installation
- Attachment L: GeoTracker Upload Confirmation Pages

cc: Mr. John Protopappas
Madison Park Financial
155 Grand Avenue, Suite 1025
Oakland, California 94612

Mr. Leroy Griffin
City of Oakland, Fire Department
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612-2032

Alameda County Environmental Health Services
(Sent via electronic upload to the Geotracker website)

FIGURES



Site Vicinity Map

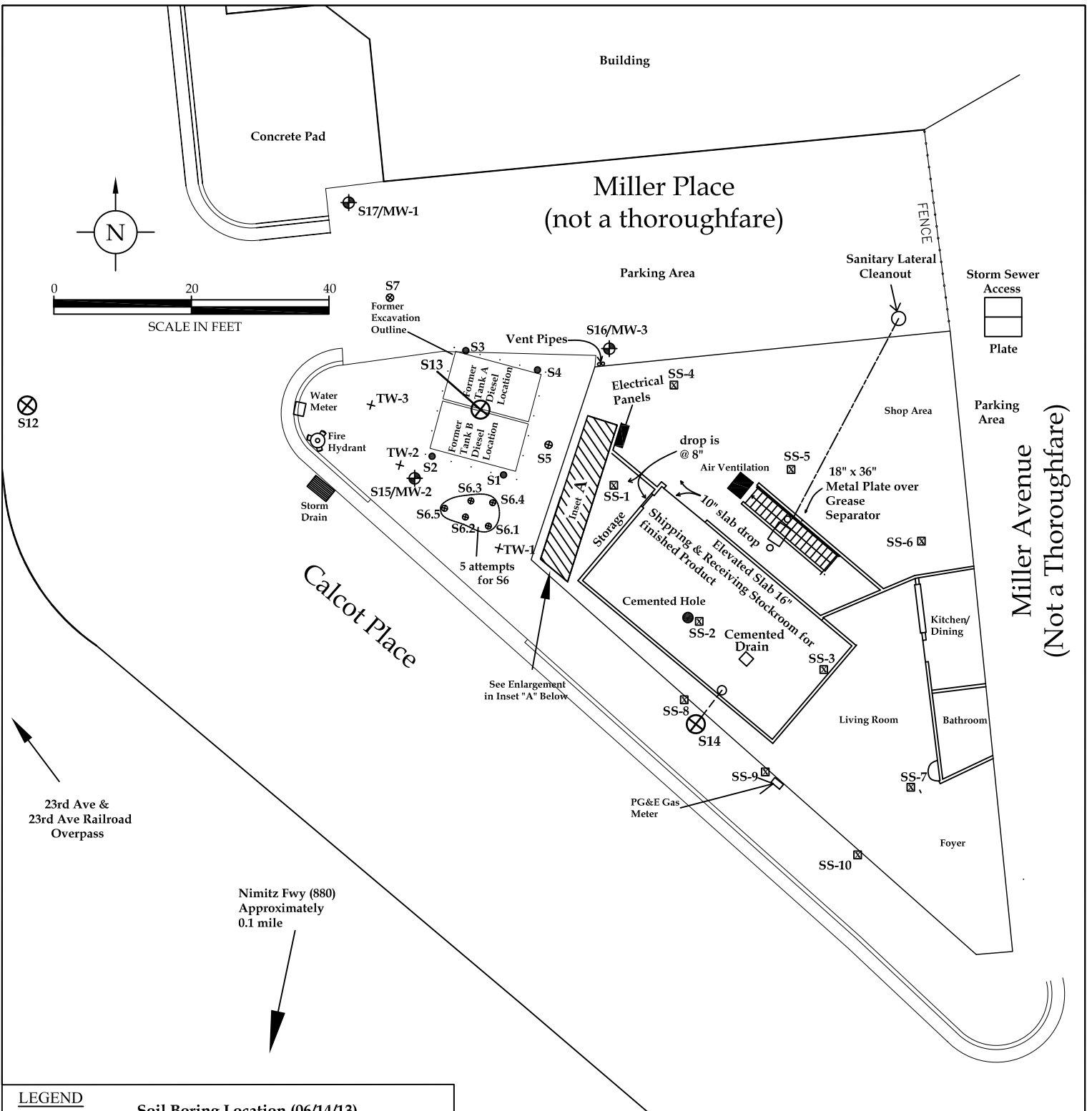
1125 Miller Avenue
Oakland, California

CLEARWATER GROUP

Project No.
CB018

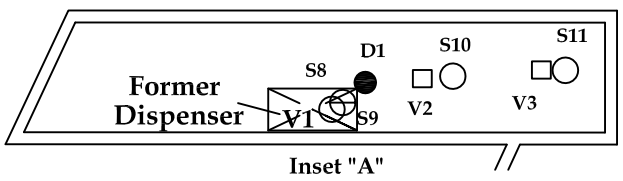
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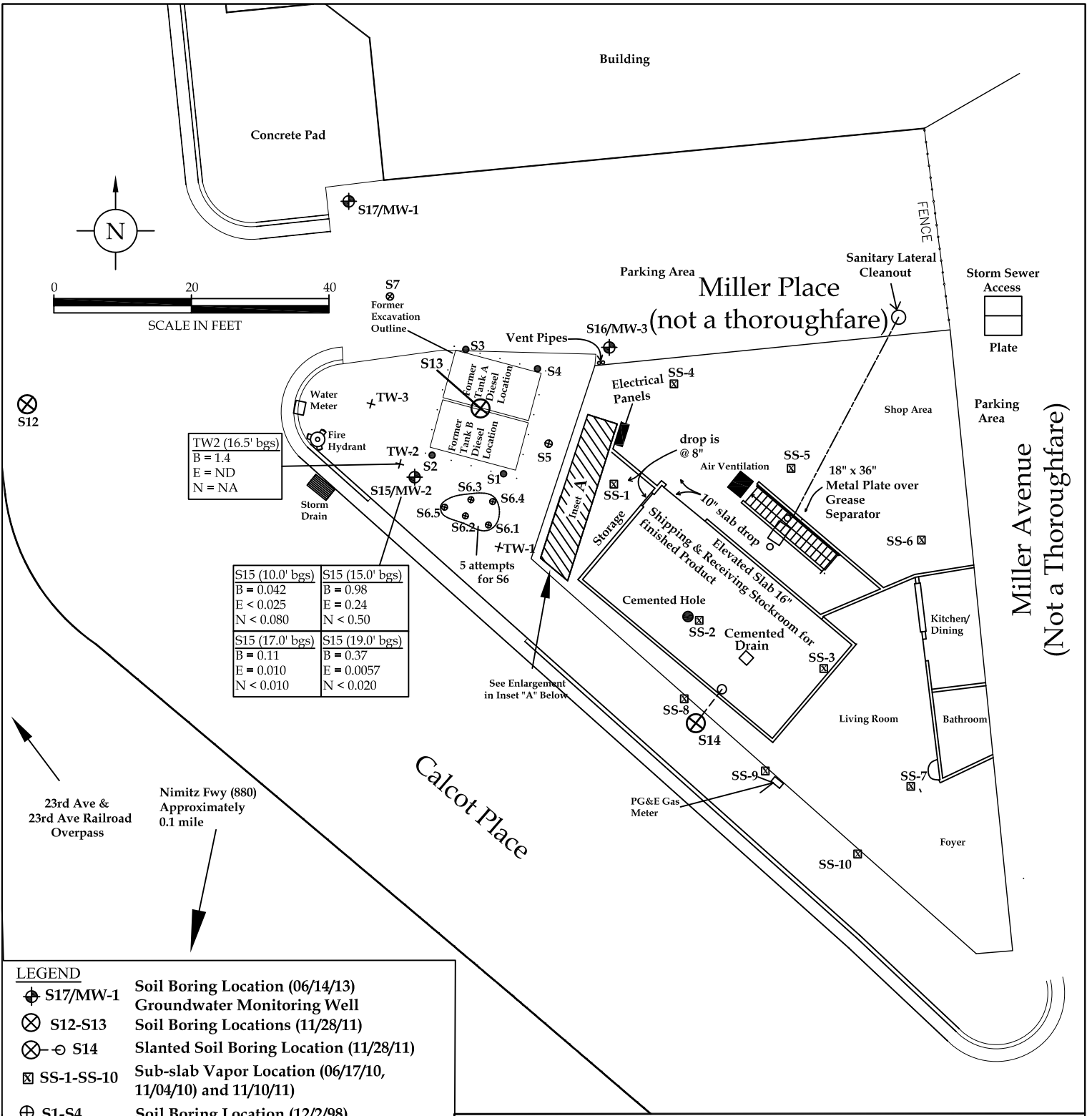


LEGEND

- ⊕ S17/MW-1 Soil Boring Location (06/14/13) Groundwater Monitoring Well
- ⊗ S12-S13 Soil Boring Locations (11/28/11)
- ⊗-⊕ S14 Slanted Soil Boring Location (11/28/11)
- ⊠ SS-1-SS-10 Sub-slab Vapor Location (06/17/10, 11/04/10) and 11/10/11)
- ⊕ S1-S4 Soil Boring Location (12/2/98)
- ⊕ S5-S8 Soil Boring Location (11/16/05)
- D1 Soil Boring Location (10/24/00)
- + TW-3 Temporary Well (10/24/00)
- S9-S11 Soil Boring Location (11/15/06)
- V1-V3 Soil Vapor Location (11/15/06)
- Excavation Outline

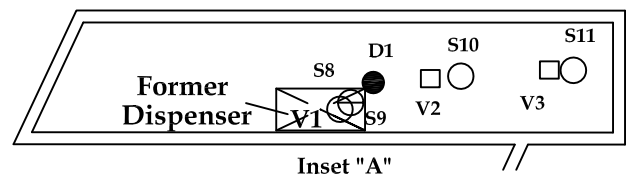


Site Plan 1125 Miller Avenue Oakland, California	CLEARWATER GROUP		
	Project No. CB018	Figure Date 07/13	Figure 2



- LEGEND**
- ⊕ S17/MW-1 Soil Boring Location (06/14/13) Groundwater Monitoring Well
 - ⊗ S12-S13 Soil Boring Locations (11/28/11)
 - ⊗-⊙ S14 Slanted Soil Boring Location (11/28/11)
 - ⊠ SS-1-SS-10 Sub-slab Vapor Location (06/17/10, 11/04/10) and 11/10/11)
 - ⊕ S1-S4 Soil Boring Location (12/2/98)
 - ⊕ S5-S8 Soil Boring Location (11/16/05)
 - D1 Soil Boring Location (10/24/00)
 - + TW-3 Temporary Well (10/24/00)
 - S9-S11 Soil Boring Location (11/15/06)
 - V1-V3 Soil Vapor Location (11/15/06)
 - ⬢ Excavation Outline

S15 (10.0' bgs)	
B = 0.042	Soil Sample Location and Depth (in feet below ground surface)
E < 0.025	B = Benzene Analytical Results
N < 0.080	E = Ethylbenzene Analytical Results
	N = Naphthalene Analytical Results
	All results in milligrams per kilogram.



Soil Sample Analytical Results	CLEARWATER GROUP		
	Project No. CB018H	Figure Date 08/13	Figure 3
1125 Miller Avenue Oakland, California			

TABLES

TABLE 1
Well Construction Data
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018

Well Number	Date Installed	Borehole Diameter (inches)	Depth of Borehole (feet) *	Casing Diameter (inches)	Screened Interval (feet) *	Filter Pack (feet) *	Bentonite Seal (feet) *	Concrete/Cement Seal (feet) *	TOC Elevation (feet AMSL)	Latitude Decimal Degrees	Longitude Decimal Degrees
MW-2	06/14/2013	6.0	25.0	2.0	9.0 - 24.0	8.0 - 25.0	7.0 - 8.0	0.0 - 7.0	21.57	37.7806835	-122.2368016
MW-3	06/14/2013	6.0	25.0	2.0	9.0 - 24.0	8.0 - 25.0	7.0 - 8.0	0.0 - 7.0	23.40	37.7807367	-122.2367051

Notes:

TOC Top-of-casing elevation in feet relative to mean sea level

AMSL Above mean sea level

(feet) * Feet below ground surface

Well construction details for MW-1 through MW-3 were obtained from boring logs prepared by Clearwater Group.

Monitoring well elevation and GPS survey event for wells MW-1 through MW-3 was conducted by Morrow Surveying in June 2013.

TABLE 2A
Cumulative Hydrocarbon Soil Sample Analytical Results
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018

Soil Boring ID	Sample ID	Collection Depth (feet)	Sampling Date	TPH-d (mg/kg)	TPH-g (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)
Shallow Soil ESL ¹ for Commercial Use				500	500	0.044	2.9	3.3	2.3	0.023
Deep Soil ESL ¹ for Commercial Use				580	530	0.044	2.9	3.3	2.3	0.023
Low Threat Closure Thresholds - Commercial^{A,B}		0-5 feet bgs		--	--	8.2	--	89	--	--
		5-10 feet bgs		--	--	12	--	134	--	--
S1	S1-9	9	12/01/1998	ND	NA	ND	ND	ND	ND	ND
S2	S2-9	9	12/01/1998	1,800	NA	ND	ND	ND	0.51	ND
S3	S3-9	9	12/01/1998	ND	NA	ND	ND	ND	ND	ND
S4	S4-9	9	12/01/1998	ND	NA	ND	ND	ND	ND	ND
TW2	TW2 -16.5	16.5	10/24/2000	4,200	NA	1.4	ND	ND	ND	ND
TW3	TW3-17	17	10/24/2000	2,700	NA	ND	ND	ND	ND	ND
D1	D1-3	3	10/24/2000	3,400	NA	ND	ND	ND	ND	ND
D1	D1-8	8	10/24/2000	34	NA	ND	ND	ND	ND	ND
S5	S5-5	5	11/16/2005	14 ^F	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S5	S5-10	10	11/16/2005	610	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S5	S5-15	15	11/16/2005	620	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S5	S5-20	20	11/16/2005	5.8	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S6	S6-6	6	11/16/2005	1,800 ^F	NA	NA ^C	NA ^C	NA ^C	NA ^C	NA ^D
S7	S7-5	5	11/16/2005	150 ^F	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S7	S7-10	10	11/16/2005	32 ^F	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S7	S7-15	15	11/16/2005	1,200	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S7	S7-20	20	11/16/2005	300	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S8	S8-4	4	11/16/2005	92	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S9	S9.4.0	4	11/15/2006	7,500	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S10	S10.4.0	4	11/15/2006	930	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S11	S11.4.0	4	11/15/2006	21	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S12	B12-18	18	11/28/2011	8.6 ^E	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S13	B13-11	11	11/28/2011	740	7.0	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S13	B13-14	14	11/28/2011	1,900	65	<0.025	<0.025	<0.025	<0.025	NA ^D
S13	B13-19	19	11/28/2011	4.4 ^E	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S13	B13-23.5	23.5	11/28/2011	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
S14	B14-19	19	11/28/2011	1.0 ^E	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA ^D
CS-1	CS-1	2.5	10/16/2012	730 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CS-2	CS-2	2	10/16/2012	14,000 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CS-3	CS-3	1	10/16/2012	7,600 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CS-4	CS-4	0.5	10/16/2012	9,800 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CS-5	CS-5	0.5	10/16/2012	8,000 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
CS-6	CS-6-Comp 3 Drums	0 ^G	10/16/2012	7,400 ^F	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S15	S15-8.0'	8	06/14/2013	4,000 ^H	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S15	S15-10.0'	10	06/14/2013	3,400 ^H	76	0.042	0.034	<0.025	0.090	<0.025
S15	S15-15.0'	15	06/14/2013	10,000	600	0.98	0.11	0.24	0.73	<0.050
S15	S15-17.0'	17	06/14/2013	5,800	21	0.11	0.0078	0.010	0.024	<0.0050
S15	S15-19.0'	19	06/14/2013	8,400 ^H	43	0.37	0.024	0.0057	0.083	<0.0050
S15	S15-24.5'	24.5	06/14/2013	8.4 ^H	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S16	S16-7'grab hand auger	7	06/14/2013	7.7 ^H	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S16	S16-10'grab	10	06/14/2013	11	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

TABLE 2A
Cumulative Hydrocarbon Soil Sample Analytical Results
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018

Soil Boring ID	Sample ID	Collection Depth (feet)	Sampling Date	TPH-d (mg/kg)	TPH-g (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)
	Shallow Soil ESL ¹ for Commercial Use			500	500	0.044	2.9	3.3	2.3	0.023
	Deep Soil ESL ¹ for Commercial Use			580	530	0.044	2.9	3.3	2.3	0.023
Low Threat Closure Thresholds - Commercial^{A,B}		0-5 feet bgs		--	--	8.2	--	89	--	--
		5-10 feet bgs		--	--	12	--	134	--	--
S16	S16-15'grab	15	06/14/2013	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S16	S16-17'grab	17	06/14/2013	1.9 ^{E,H}	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S16	S16-20'grab	20	06/14/2013	3.0 ^H	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S16	S16-25'grab	25	06/14/2013	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S17	S17-7.0'	7	06/14/2013	1.6 ^H	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S17	S17-10.0'	10	06/14/2013	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S17	S17-17.0'	17	06/14/2013	3.0 ^{E,H}	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S17	S17-21.0'	21	06/14/2013	5.9 ^{E,H}	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S17	S17-24.5'	24.5	06/14/2013	1.6 ^{E,H}	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
TPH-d Total petroleum hydrocarbons as diesel using EPA Method 8015/8020 (modified)
TPH-g Total petroleum hydrocarbons as gasoline using EPA Method 8260B
BTEX Benzene, Toluene, Ethylbenzene, Xylenes using EPA Method 8015/8020 (modified)
MTBE Methyl tertiary-butyl ether using EPA Method 8260
mg/kg Milligrams per kilogram (approximately equal to parts per million)
ND Not detected above laboratory reporting limits
NA Not analyzed
<0.0050 Not detected in concentrations exceeding the indicated laboratory reporting limit
bgs Below ground surface
bold Contamination in the sample exceeded Low Threat Closure thresholds.
-- Thresholds not listed in Low Threat Closure guidelines.
Footnote A Low Threat Closure Thresholds are commercial values from Table 1 (page 8) of *Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closure*, August 17, 2012.
Footnote B In order to qualify for Low Threat Closure, a site must meet all of the following requirements: a. The unauthorized release is located within the service area of a public water system; b. The unauthorized release consists only of petroleum; c. The unauthorized ("primary") release from the UST system has been stopped; d. Free product has been removed to the maximum extent practicable; e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed; f. Secondary source has been removed to the extent practicable; g. Soil or groundwater has been tested for methyl tert-butyl ether (MTBE) and results reported in accordance with Health and Safety Code section 25296.15; and h. Nuisance as defined by Water Code section 13050 does not exist at the site.
Footnote C Analysis not performed due to lack of sample volume.
Footnote D Analysis of MTBE not required by ACEH.
Footnote E Laboratory Notes: Discrete peaks in Diesel range, atypical for Diesel Fuel.
Footnote F Laboratory Note: Concentration reported is atypical for diesel, these hydrocarbons have a higher boiling point
Footnote G Composite sample collected from disposal materials.
Footnote H Laboratory Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.
Footnote I Environmental Screening Levels (ESL), from Summary Tables A and C, available from http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/Lookup_Tables_Summary_May_2013.pdf
Analytical results reported in italics are from the December 31, 2001 *Subsurface Exploration Report* prepared by Environmental Bio-Systems.

TABLE 2B
Cumulative Volatile Organic Compound Soil Sample Analytical Results
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018

Soil Boring ID	Sample ID	Collection Depth (feet)	Sampling Date	PCE (mg/kg)	TCE (mg/kg)	1,2,4-TMB (mg/kg)	Naphthalene (mg/kg)	Isopropyl				
								benzene (mg/kg)	n-Propylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)	
Soil ESL ^G for Commercial Use				0.7	0.46	--	1.2	--	--	--	--	
Low Threat Closure Thresholds - Commercial^{A,B}				--	--	--	45	--	--	--	--	
				--	--	--	45	--	--	--	--	
S1	S1-9	9 - grab	12/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	
S2	S2-9	9 - grab	12/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	
S3	S3-9	9 - grab	12/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	
S4	S4-9	9 - grab	12/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	
TW2	TW2 -16.5	16.5 - grab	10/24/2000	NA	NA	NA	NA	NA	NA	NA	NA	
TW3	TW3-17	17 - grab	10/24/2000	NA	NA	NA	NA	NA	NA	NA	NA	
D1	D1-3	3 - grab	10/24/2000	NA	NA	NA	NA	NA	NA	NA	NA	
D1	D1-8	8 - grab	10/24/2000	NA	NA	NA	NA	NA	NA	NA	NA	
S5	S5-5	5	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S5	S5-10	10	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S5	S5-15	15	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S5	S5-20	20	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S6	S6-6	6	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S7	S7-5	5	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S7	S7-10	10	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S7	S7-15	15	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S7	S7-20	20	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S8	S8-4	4	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	
S9	S9.4.0	4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	
S10	S10.4.0	4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	
S11	S11.4.0	4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	
S12	B12-18	18	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
S13	B13-11	11	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
S13	B13-14	14	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
S13	B13-19	19	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
S13	B13-23.5	23.5	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
S14	B14-19	19	11/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	
CS-1	CS-1	2.5	10/16/2012	<0.0050	<0.0050	0.015 ^D	0.072 ^C	NA	NA	NA	NA	
CS-2	CS-2	2	10/16/2012	<0.0050	<0.0050	<0.0050 ^D	<0.0050 ^C	NA	NA	NA	NA	
CS-3	CS-3	1	10/16/2012	<0.0050	<0.0050	0.0067 ^D	0.042 ^C	NA	NA	NA	NA	
CS-4	CS-4	0.5	10/16/2012	<0.0050	<0.0050	<0.0050 ^D	<0.0050 ^C	NA	NA	NA	NA	
CS-5	CS-5	0.5	10/16/2012	<0.0050	<0.0050	<0.0050 ^D	<0.0050 ^C	NA	NA	NA	NA	
CS-6	CS-6-Comp 3 Drums	0 ^E	10/16/2012	<0.0050	<0.0050	<0.0050 ^D	0.0074 ^C	NA	NA	NA	NA	
S15	S15-8.0'	8	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	0.0096	0.028	0.021	0.063	
S15	S15-10.0'	10	06/14/2013	<0.025	<0.025	<0.025	<0.080 ^F	0.33	1.3	0.30	0.94	
S15	S15-15.0'	15	06/14/2013	<0.050	<0.050	<0.050	<0.50 ^F	3.0	11	1.8	5.8	
S15	S15-17.0'	17	06/14/2013	<0.0050	<0.0050	<0.0050	<0.010 ^F	0.12	0.37	0.052	0.15	
S15	S15-19.0'	19	06/14/2013	<0.0050	<0.0050	0.0091	<0.020 ^F	0.089	0.20	0.090	0.24	
S15	S15-24.5'	24.5	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-7'grab hand auger	7	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-10'grab	10	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-15'grab	15	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-17'grab	17	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-20'grab	20	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S16	S16-25'grab	25	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S17	S17-7.0'	7	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S17	S17-10.0'	10	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S17	S17-17.0'	17	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S17	S17-21.0'	21	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
S17	S17-24.5'	24.5	06/14/2013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	

TABLE 2B
Cumulative Volatile Organic Compound Soil Sample Analytical Results
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018

Soil Boring ID	Sample ID	Collection Depth (feet)	Sampling Date	PCE (mg/kg)	TCE (mg/kg)	1,2,4-TMB (mg/kg)	Naphthalene (mg/kg)	Isopropyl			
								benzene (mg/kg)	n-Propylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)
	Soil ESL ^G for Commercial Use			0.7	0.46	--	1.2	--	--	--	--
	Low Threat Closure Thresholds -			--	--	--	45	--	--	--	--
	Commercial^{A,B}			--	--	--	45	--	--	--	--

Notes:

PCE Tetrachloroethene using EPA Method 826C
TCE Trichloroethene using EPA Method 826C
1,2,4-TMB 1,2,4-Trimethylbenzene using EPA Method 826C
mg/kg Milligrams per kilogram (approximately equal to parts per million)
NA Not analyzed
<0.0050 Not detected in concentrations exceeding the indicated laboratory reporting limit
bgs Below ground surface
bold Contamination in the sample exceeded Low Threat Closure thresholds
-- Thresholds not listed in Low Threat Closure guidelines

Footnote A Low Threat Closure Thresholds are commercial values from Table 1 (page 8) of *Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closure*, August 17, 2012.
Footnote B In order to qualify for Low Threat Closure, a site must meet all of the following requirements: a. The unauthorized release is located within the service area of a public water system; b. The unauthorized release consists only of petroleum; c. The unauthorized ("primary") release from the UST system has been stopped; d. Free product has been removed to the maximum extent practicable; e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed; f. Secondary source has been removed to the extent practicable; g. Soil or groundwater has been tested for methyl tert-butyl ether (MTBE) and results reported in accordance with Health and Safety Code section 25296.15; and h. Nuisance as defined by Water Code section 13050 does not exist at the site.

Footnote C Laboratory Note: Matrix Spike/Matrix Spike Duplicate results were affected by the analyte concentrations already present in the un-spiked sample
Footnote D Laboratory Note: Matrix Spike/Matrix Spike Duplicate results were outside of control limits. This may indicate a bias for the sample that was spiked. Since LCS recoveries were within control limits, no data are flagg
Footnote E Composite sample collected from disposal materials
Footnote F The Method Reporting Limit has been increased due to the presence of an interfering compound
Footnote G Environmental Screening Levels (ESL), from Summary Tables A and C, available from http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/lookup_tables/Summary_May_2013.p
Analytical results reported in italics are from the December 31, 2001 *Subsurface Exploration Report* prepared by Environmental Bio-Systems

Table 3
Cumulative Groundwater Elevation and Analytical Results
P & D 23rd Avenue Associates LLC
1125 Miller Avenue
Oakland, California
Clearwater Project No. CB018R

Sample Point Location	Sample ID	Sampling Date	Depth (feet bgs)	TOC (feet)	DTW (feet)	GWE (feet)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Chloroform (µg/L)	TCE (µg/L)	
Environmental Screening Levels in µg/L ^F							100	100	1.0	40	30	20	5.0	70	5.0	
Low Threat Closure Threshold ^{A, B}			Criterion 1 ^C				No limits defined in policy for Criterion 1									
TW2	TW2	10/24/2000	16	-	-	-	660	-	65	2.4	<0.5	3.2	<2.5	-	-	
TW3	TW3	10/24/2000	17	-	-	-	800	-	0.9	<0.5	<0.5	<1.5	<2.5	-	-	
S5	S5	11/16/2005	17	-	-	-	890	-	<0.50	<0.50	<0.50	<0.50	-	-	-	
S12	S-12	11/28/2011	11-15	-	-	-	1,300 ^D	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	
S13	S-13	11/28/2011	11-15	-	-	-	36,000	200	<0.50	<0.50	<0.50	<0.50	-	-	-	
S14	S-14	11/28/2011	11-15	-	-	-	290 ^D	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	
MW-1	MW-1	06/26/2013 09/06/2013	-	21.42	9.64	11.78	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.93	
MW-2	MW-2	06/26/2013 09/06/2013	-	21.57	9.87	11.70	2,500	55	7.8	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	
MW-3	MW-3	06/26/2013 09/06/2013	-	23.4	11.71	11.69	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	4.3	
			-	23.4	12.27	11.13	150 ^E	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	5.2	

Notes:

TPH-d Total petroleum hydrocarbons as diesel using EPA Method 8015/8020 (modified)
TPH-g Total petroleum hydrocarbons as gasoline using EPA Method 8260B
B Benzene using EPA Method 8020/8260B
T Toluene using EPA Method 8020/8260B
E Ethylene using EPA Method 8020/8260B
X Xylenes using EPA Method 8020/8260B
MTBE Methyl tertiary-butyl ether using EPA Method 8260B
TCE Trichloroethene using EPA Method 8260B
Chloroform Chloroform using EPA Method 8260B
µg/L Micrograms per liter (approximately equal to parts per billion: ppb)
- Not analyzed, not available, or not applicable
<### Not detected in concentrations exceeding the indicated laboratory reporting limit
bgs Below Ground Surface

TOC Top-of-casing elevation surveyed by Morrow Surveying on June 20, 2013
DTW Depth-to-water measurement collected on northern side of the TOC
GWE Static groundwater elevation (TOC-DTW = GWE)

Footnote A Low Threat Closure Thresholds are from *Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closure*, August 17, 2012.

Footnote B In order to qualify for Low Threat Closure, a site must meet all of the following General Criteria: a. The unauthorized release is located within the service area of a public water system; b. The unauthorized release consists only of petroleum; c. The unauthorized (“primary”) release from the UST system has been stopped; d. Free product has been removed to the maximum extent practicable; e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed; f. Secondary source has been removed to the extent practicable; g. Soil or groundwater has been tested for methyl tert-butyl ether (MTBE) and results reported in accordance with Health and Safety Code section 25296.15; and h. Nuisance as defined by Water Code section 13050 does not exist at the site.

Footnote C Low Threat Closure, Criterion 1: a) The contaminant plume that exceeds water quality objectives is less than 100 feet in length, b) There is no free product, c) The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.

Footnote D Laboratory note: Discrete peaks, higher boiling hydrocarbons present, atypical for Diesel Fuel.

Footnote E Laboratory note: Discrete peaks in Diesel range, atypical for Diesel Fuel.

Footnote F Environmental Screening Levels (ESL), from 2013 Tier 1 ESLs (screening levels resulting from default setting), available from http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/Lookup_Tables_Summary_May_2013.pdf

Analytical results reported in *italics* are from the December 31, 2001 *Subsurface Exploration Report* prepared by Environmental Bio-Systems.

ATTACHMENTS

ATTACHMENT A



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 5, 2013

Mr. John Protopappas
P&D 23rd Avenue Associates LLC
P.O. Box 687
Oakland, CA 94604
(Sent via E-mail to: John@MPFCorp.com)

Subject: Conditional Work Plan Approval for Fuel Leak Case No. RO0000294 and GeoTracker Global ID T0600177455, 23rd Avenue Partners, 1125 Miller Avenue, Oakland, CA 94601

Dear Mr. Protopappas:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the most recently submitted document entitled, "*Workplan for Groundwater Investigation Monitoring Well Installation, Vapor Point Destruction, and Excavation Closure*," dated May 23, 2013 (Work Plan). The Work Plan, which was prepared on your behalf by Clearwater Group, was submitted in response to technical comments in ACEH correspondence dated March 26, 2013.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are incorporated during implementation of the proposed investigation. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Destruction of Sub-Slab Vapor Points.** We do not concur with the destruction of the sub-slab vapor points at this time. The analysis of groundwater samples for volatile organic compounds (VOCs) provides an additional line of evidence to evaluate the tetrachloroethene (PCE) detected in sub-slab vapors. Therefore, the sub-slab vapor probes should not be destroyed until the evaluation of PCE in soil vapor is completed.
2. **Residual Diesel Contamination in Dispenser Room.** The proposed scope of work to complete the excavation in the dispenser room is acceptable and may be implemented as proposed. Please present the results in the Site Assessment Report requested below.
3. **Monitoring Well Installation and Groundwater Sampling.** The proposed scope of work for well installation and soil and groundwater sampling is acceptable and may be implemented as proposed. Please present the results in the Site Assessment Report requested below.

Mr. John Protopappas
RO000294
June 5, 2013
Page 2

TECHNICAL REPORT REQUEST

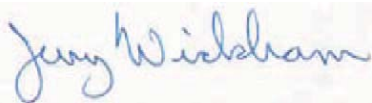
Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **September 11, 2013** – Site Assessment Report
File to be named: SWI_R_YYYY-MM-DD RO294

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Digitally signed by Jerry Wickham
DN: cn=Jerry Wickham, o=Alameda County Environmental
Health, ou, email=jerry.wickham@acgov.org, c=US
Date: 2013.06.05 16:27:40 -07'00'

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Olivia Jacobs, Clearwater Group, 229 Tewksbury Avenue, Pt. Richmond, CA 94801 (Sent via E-mail to: ojacobs@clearwatergroup.com)

James Jacobs, Clearwater Group, 229 Tewksbury Avenue, Pt. Richmond, CA 94801 (Sent via E-mail to: geojimj@gmail.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)

Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker, File

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements. (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) require submission of all reports in electronic form to the county's FTP site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single Portable Document Format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to .loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT B

SUMMARY OF SITE INVESTIGATION ACTIVITIES AND REFERENCES LIST

P&D 23rd Avenue Associates, LLC
1125 Miller Avenue
Oakland, California
ACEH Site Number RO#0000294
Clearwater Group Project Number CB018

Site Location

The P&D 23rd Avenue Associates, LLC property (*site*), an underground storage tank (UST) fuel release *site*, is located at 1125 Miller Avenue, in the City of Oakland, County of Alameda, California. The *site* is improved with a two-story structure constructed on a single slab on grade foundation, which is currently in use as a “work-live” building by a graphic artist who operates a t-shirt production workshop and lives in an apartment located adjacent to and above the work space. The United States Geological Survey Oakland East Quadrangle Map shows the *site* to be located in Section 6, Township 2 south, Range 3 west of the Mount Diablo Base and Meridian (USGS, 1980).

Miller Avenue bounds the *site* to the east, and Miller Place bounds the *site* to the north. Calcot Place defines the property to the southwest. A “work-live” apartment building is located across Miller Place to the northwest, north, and northeast, and a fenced parking and storage lot abuts the *site* to the northeast, east, and southeast. The main line of the Union Pacific Railroad is located to the north, beyond the “work-live” apartments and behind a chain-link fence. The 23rd Avenue railroad overcrossing ramp structure lies across Calcot Place to the west.

Site History

1870 to 1998 – History before the UST removal

Historical records for the *site* and neighboring properties as far back as the 1870’s were obtained from local resources. Between 1870 and 1998 the *site* and neighboring properties have had many uses, including industrial, commercial, and most recently, residential. The former north and east parcel boundaries of the 1125 Miller Avenue *site* were established in 1903. In 1963, after part of the block was taken by the City of Oakland by “eminent domain,” the current hypotenuse property boundary was formed and defined by Calcot Place.

- Between 1878 and 1903, the current property was part of 25th Avenue and a block defined by Park Avenue (now 23rd Avenue), East 10th Street, 26th Avenue, 25th Avenue, and the Central Pacific Railroad Company railroad bed. No information, except that about ownership, regarding specific use of the *site* is reasonably ascertainable from the locally available historical data record for this time period. Data were reported in the December 1, 2010 “Historical Property Uses” Report produced by Clearwater Group (Clearwater).
- Between 1924 and 1928 (after subdivision), the west half of the northern half of the current *site* (Parcels 1 and 2) was developed with a commercial/industrial structure.
- Between 1928 (first phone directory listing) and 1946, the *site* (Parcels 1 and 2) was used by Bay Cities Forge Company, for blacksmithing and general metal “forgings,” as stated in the Polk’s Telephone Directory (listing and advertisement). The interior work area of the Forge (west half of Parcels 1 and 2) aligns with five refusals at soil boring S6 as well as the refusal at TW1 shown in **Figure A**. The unimproved backyard (east half of Parcels

1 and 2) was improved, by 1950, with a brick incinerator (at the current location of the workshop and the kitchen and bathroom). In 1947, Parcel 3 was improved with a Residence fronting on 23rd Avenue, and in 1950 Parcel 4 was improved with a soda bottling works.

- The Sanborn map shows that, in the backyard of the Residence, a garage structure (structure labeled “auto”) and a garden were present at the *site* (Parcel 3). The former location of the auto garage is approximately equivalent to the current position of part of the living room, bathroom, and kitchen.
- According to Mr. Ronald Dreisbach (a part owner of P&D 23rd Avenue Associates, LLC), the *site* (Parcel 1 and 2) was used for lumber storage, and the neighboring property to the north was used as a planing mill and a lumber yard as early as 1940; these uses are corroborated by Mr. Dreisbach’s photo of his father at the property and by the Sanborn Maps. The incinerator that was at the *site* was built for the burning of sawdust and wood debris originating from the lumber planing operation. The incinerator was constructed in the current location of the kitchen/dining area and a large portion of the current printing workshop at the *site*. According to the telephone directories, the planing mill operation to the north ceased in approximately 1955 and was replaced by a box and lumber operation, which was replaced by a fruit sorting and packing operation.
- In 1952-1957, the *site* was used as a warehouse (except for the incinerator) for Parcels 1 and 2, a residence for Parcel 3, and a venetian blind factory for Parcel 4.
- In 1959, the *site* was used for the storage of firewood and old machinery as well as for a records storage warehouse; the incinerator was no longer in use on Parcels 1 and 2. Parcel 3 was razed, and Parcel 4 remained as a venetian blind factory.
- In 1960, Parcels 1 and 2 continued to be used for a records storage warehouse as well as for a woodworking shop. Parcel 3 was improved with a steel warehouse. Parcel 4 remained in use as a venetian blind factory.
- Between 1962 and 1963, the City of Oakland (City) took the *site* by eminent domain for construction of its 23rd Avenue railroad overcrossing ramp. After the City took the property, the *site* buildings were razed.
- After the block was razed, a new street, Calcot Place, was constructed across the block. The Dreisbachs, who had owned Parcels 1 and 2 of the block, became the owners of the new “triangle” property upon which they built a new building (Architect Plans are dated 1966), which is the current building.
- No records are present regarding the year that the two 5,000-gallon fuel tanks were installed. However, the architect’s drawing dated 1966 for the *site* indicates the existence of plans for a canopy to be built over a concrete pad, which corresponds to the location of the tank pit. This suggests that the tanks were considered in the planning of the 1966 architectural design. Mr. Dreisbach reported the use of gas and diesel in the tanks since the 1970’s.
- According to Sanborn maps, a printing company operated at the *site* between 1967 and 1969. Between 1970 and 1980, according to street directories, the *site* was used as a U.S. Department of Agriculture (USDA) meat inspection facility and warehouse. Two floor drains and a grease trap that drained to the sanitary sewer (see **Figure A**), were likely installed during this time for use with the meat inspection facility operations.
- Telephone directory records indicate that between 1980 and 1981 the USDA meat inspection facility ceased operations at the *site*.

- Between 1981 and 1990, the *site* was used as a mechanics shop for the rebuilding of Cummins diesel injectors. Hazardous materials were stored or used on *site* for this operation.
- In 1985 the fire department reported that two 5,000-gallon diesel tanks were in use. (Again, the date of tank installation is not reasonably ascertainable in the record.) Hazardous waste was reported to have been generated in the form of diesel, solvents, and sludge originating from the injectors. [Until recently (2010), two floor drains from the meat packing operation (the current t-shirt warehouse area) were open. They are now cemented closed.]
- In 1989, leakage was detected at the unions of the delivery lines on both fuel pumps, during a routine inspection.
- In March 1990, Heitz Trucking, Inc. began to use the *site*.
- In 1993, a routine inspection reported the generation of waste oil and solvents, which were being stored at the *site*.
- In 1995, the *site* was re-developed as an artist “work-live” space; however, the truck refueling facility remained in operation.
- In 1996, a routine inspection reported that fuel had spilled into the storm sewer system and that the UST vent pipes were broken.
- In 1998, a fuel spill from the fuel tank dispenser into the storm sewer was reported, and broken vent pipes were noted.
- In 1990, Mechanic Jim Brooks claimed that he had “worked with the tank system for 10 years.”
- During December 1990, seepage of fuel at a vent pipe coupling located one foot above ground was reported, according to the Fire Department.

December 1998

Environmental Bio-Systems (EBS) excavated and removed two 5,000-gallon diesel USTs and the associated product piping from the tank pit at the *site*. A total of four soil samples were collected near the ends of each tank from approximately nine feet below ground surface (bgs). All four soil samples were subsequently analyzed for total petroleum hydrocarbons detected as diesel (TPH-d); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tertiary butyl ether (MTBE). Samples were collected from the pit wall northeast and southeast of Tank A (the northern tank). No detections were reported above the method detection limit in the samples collected from the northeast and southeast ends of Tank A. Samples were collected from the pit wall northwest and southwest of Tank B (the southern tank); the northwest sample was found to contain 1,800 milligrams per kilogram (mg/kg) TPH-d and 0.051 mg/kg xylenes, and no detections were reported above the method detection limit in the southwest sample.

February 2000

The February 18, 2000 “Workplan: Subsurface Exploration” was produced by EBS.

October 2000

In October 2000, EBS drilled four soil borings (designated TW1, TW2, TW3, and D1). Soil borings TW1 through TW3 were drilled in the concrete-paved area surrounding the former UST excavation. Boring D1 was drilled in the building, adjacent to the former dispenser location, which had been housed within an enclosed room at the west end of the building.

EBS collected four soil samples from the borings and installed pre-packed temporary well points in two of the borings (TW2 and TW3). Soil sample TW2 was collected at 16.5 feet bgs, and soil sample TW3 was collected at 17 feet bgs; two soil samples were collected from D1. The drilling and sampling were performed by FAST-TEK Engineering Support Services of Point Richmond, California (C-57 Lic. #624461) using a Geoprobe 5400 direct push rig. Borings TW2 and TW3 were drilled to a total depth of 22 feet bgs. Boring D1 was drilled to a total depth of 8 feet bgs, and boring TW1 was abandoned at 3 feet bgs because of subsurface obstructions; neither the soil nor groundwater was sampled at this location. Groundwater was encountered between 16.5 feet and 17.0 feet bgs. EBS submitted four soil samples and two groundwater samples to Analytical Sciences, Inc. of Petaluma, California, a California State-certified laboratory for TPH-d, BTEX, and MtBE analyses. The results were presented in the EBS "Subsurface Exploration Report" dated December 31, 2001.

Soil sample TW2-16.5' was found to contain 4,200 mg/kg TPH-d and 1.4 mg/kg benzene. Soil sample TW3-17' was found to contain 2,700 mg/kg TPH-d. Soil samples D1-3' and D1-8' were found to contain 3,400 and 34 mg/kg TPH-d, respectively. Groundwater sample TW2-H₂O was found to contain 660 micrograms per liter (µg/L) TPH-d, 65 µg/L benzene, 2.4 µg/L toluene, and 3.2 µg/L total xylenes. Groundwater sample TW3-H₂O was found to contain 800 µg/L TPH-d and 0.9 µg/L benzene.

April 2002

On April 15, 2002, Alameda County Environmental Health Department (ACEH) approved the work proposed in Clearwater's "Site Closure Workplan" (dated March 21, 2002). An October 3, 2002, "Site Closure Report" reported findings of the work that had been approved in the workplan. Sensitive receptors listed in the "Site Closure Report" included the residents of the building, and Clearwater recommended that migration pathways (via concrete cracks and other permeable features) be sealed. On the basis of information on groundwater flow available in reports on other local sites, the groundwater flow direction was found to be north at a gradient of 0.01. No drinking water wells were found to be present in the direct vicinity per the EDR report. However, subsequently, several wells per block have been identified on the Sanborn Maps. The only subsurface conduits identified were the utility trenches under and around the property.

November 2005

On November 16, 2005, Clearwater supervised the advancement of four soil borings (S5 through S8) at the *site*. One grab groundwater sample was collected from soil boring S5, which was located between the dispenser and the former tank pit. Boring logs indicated that the subsurface (to 20 feet) is composed of mostly clayey gravel (most likely this reflects backfill), and the laboratory results showed no detectable concentrations of BTEX. The concentrations of TPH-d in soil ranged from 5.8 mg/kg in S5-20' to 1,200 mg/kg in S7-15'. Analytical results of the groundwater sample at S5 indicated a TPH-d concentration of 890 µg/L, and no other constituents of concern were reported. Evidence of previous forge use was observed in the drilling of soil boring S6 (5 refusals), consisting of metal slag, debris, and general fill materials. These results were reported in the February 23, 2006, Clearwater document titled "Subsurface Investigation Results."

June 2006

On the basis of approvals by ACEH on June 13, 2006, and August 4, 2006, Clearwater performed a soil investigation and soil vapor survey at the *site*. Soil samples were collected from S9 through S11 at 4 feet bgs. Soil vapor samples were collected at borings V1 through V3. TPH-d was reported at concentrations ranging between 21 mg/kg in S11 to 7,500 mg/kg in S9. No soil sample results showed concentrations of BTEX above the laboratory reporting limit of 0.0050 mg/kg. Two soil vapor samples were collected from each vapor boring at 4 feet bgs. Concentrations of TPH-d detected in vapor samples ranged from 180,000 micrograms per cubic-meter ($\mu\text{g}/\text{m}^3$) in V2.2 4L (V2 at 2 feet bgs using a 4 liter canister) to 7,300,000 $\mu\text{g}/\text{m}^3$ in V3.4 1L. Results were documented in the January 11, 2007, Clearwater report titled “Results of Soil Vapor and Soil Boring Sampling Investigation – Risk Based Corrective Analysis Report.”

June 2010

On October 28, 2009, ACEH concurred with Clearwater’s work plan titled “Work Plan for Sub-Slab Vapor Sampling” (dated September 9, 2008), and this work phase was begun on June 10, 2010. Soil vapor samples were collected from the soil vapor points on June 17, 2010. Samples were collected at installed soil vapor points SS-1 through SS-6. The constituent of concern, TPH-d, was not detected in any of the soil vapor samples. Toluene (T) was detected in SS-3 at 2,600 $\mu\text{g}/\text{m}^3$. Xylenes (X) were detected in SS-3 at 6,050 $\mu\text{g}/\text{m}^3$. Ethylbenzene (E) was detected in SS-3 at 2,000 $\mu\text{g}/\text{m}^3$. TPH-g was detected in SS-3 at 37,000 $\mu\text{g}/\text{m}^3$. No other constituents of concern were detected. The source for TPH-g and TEX was unknown. This information is documented in the Clearwater July 23, 2010, report titled “Results of Sub-Slab Soil Vapor Investigation Report.” To rule out propane as the TPH-g source (SS-3 is close to a 3-inch diameter natural gas line servicing the building structure but not currently in use), both methane and PG&E’s leak detection gas were tested for. The results for both were negative.

Because of the elevated reporting levels reported in the soil vapor samples collected June 17, 2010, ACEH requested re-sampling of the 6 soil vapor sample points, in a letter dated August 16, 2010. Re-sampling was performed on November 4, 2010. The re-sampling results indicated a TPH-d concentration of 5,800 $\mu\text{g}/\text{m}^3$ at vapor sampling point SS-3. No other detections of TPH-d were reported by the laboratory. Naphthalene was detected in SS-3 (8.0 $\mu\text{g}/\text{m}^3$) and in SS-6 (4.6 $\mu\text{g}/\text{m}^3$). Analytes 1-methylnaphthalene (24 $\mu\text{g}/\text{m}^3$) and 2-methylnaphthalene (36 $\mu\text{g}/\text{m}^3$) were both detected in SS-3. Analyte 2-methylnaphthalene was also detected in SS-6 (4.3 $\mu\text{g}/\text{m}^3$). Concentrations of TPH-g and TEX were detected above detection limits in SS-3 (TPH-g at 13,000 $\mu\text{g}/\text{m}^3$, toluene at 60 $\mu\text{g}/\text{m}^3$, ethylbenzene at 560 $\mu\text{g}/\text{m}^3$, and xylenes at 2,940 $\mu\text{g}/\text{m}^3$).

The focus of the investigation shifted to identifying the source that was contributing to the TPH-g and TEX detections. The lack of benzene detections indicated that the detected fraction of TPH-g was likely a weathered fuel and thus the evidence of a relatively old release. Concurrently, Clearwater obtained data on historical uses for information on the possible source of such a release. The uses of interest include an auto garage, a truck parts repair company, an incinerator, a forgings (blacksmith), and the fueling facility. The utility infrastructure in the surrounding streets may provide a conduit. But no clear source was identified. The “Historical Uses” Report on the *site* was produced on December 1, 2010.

The November 4, 2010, soil vapor sampling results were documented in the December 10, 2010, report titled "Results of Additional Sub-Slab Vapor Investigation." This investigation included a workplan.

Clearwater staff met with ACEH staff to review the workplan. Discussion during the meeting resulted in the following changes to the projected plan of work at the *site*: 1) the installation of an additional vapor sample point (SS-7) within the first floor living area; 2) a round of sampling of all existing vapor points (SS-1 through SS-7); 3) three soil borings for the collection of soil and groundwater data near the former tank pit, west of the former tank pit, and west of SS-3; and 4) the (limited) excavation of impacted soil and removal of the vent pipes and dispenser island. Clearwater produced a workplan addendum to address these changes.

February 2011

Per the February 1, 2011, ACEH approval of Clearwater's January 24, 2011, work plan addendum titled "Revised Workplan," soil vapor points SS-5R and SS-7 were installed on February 10, 2011. SS-5R replaced SS-5 because the original SS-5 had been crushed by a t-shirt printer. SS-7 was installed within the living room as a step-out from SS-3. On April 1, 2011, soil vapor probes SS-1 through SS-7 were sampled. TPH-g was detected in all the samples collected during the April 2011 event, at concentrations ranging from $<160 \mu\text{g}/\text{m}^3$ in several samples to $12,000 \mu\text{g}/\text{m}^3$ in sample SS-3. In addition to naphthalene ($8,200 \mu\text{g}/\text{m}^3$) and TPH-g ($12,000 \mu\text{g}/\text{m}^3$), all the BTEX components were detected in sample SS-3. Only toluene was detected in samples SS-5 ($8.2 \mu\text{g}/\text{m}^3$) and SS-7 ($5.9 \mu\text{g}/\text{m}^3$). Naphthalene was also detected in SS-7 at a concentration of $10 \mu\text{g}/\text{m}^3$. TPH-d was detected above the detection limit in SS-3 ($8,200 \mu\text{g}/\text{m}^3$) and SS-4 ($9,500 \mu\text{g}/\text{m}^3$). Because of inconclusive source information, Clearwater requested the installation of additional step-out soil vapor sampling points, which ACEH approved.

November 2011

Per concurrence from ACEH on June 6, 2011, Clearwater installed soil vapor points SS-8 through SS-10 on November 10, 2011.

A soil and groundwater investigation event took place on November 28, 2011. Soil samples were collected at various depths in soil borings S12 through S14. The highest TPH-d concentration in soil [(in the tank pit) $1,900 \text{ mg}/\text{kg}$] was detected in S13 at 14 feet bgs. TPH-g was detected at $65 \text{ mg}/\text{kg}$ in S13 at 14 feet bgs. A total of three grab groundwater samples were collected during the November 28, 2011, investigation, at borings S-12, S-13, and S-14. The highest TPH-d concentration was detected in S-13 at $36,000 \mu\text{g}/\text{L}$ (collected between 11 and 15 feet bgs). The highest TPH-g concentration was detected in S-13 at $200 \mu\text{g}/\text{L}$ (collected between 11 and 15 feet bgs). (The PG&E field clearance technician advises Clearwater that there is a 4" gas main in Calcot Place, near the SB-12 location.)

On December 8, 2011, soil vapor samples were collected at sample points SS-1 through SS-10.

February 2012

On February 29, 2012, Clearwater produced *Sub-Slab Soil Vapor Sampling Report*, and *Soil and Groundwater Investigation Results*.

June 2012

Alameda County Health Care Services requested that the claimant submit a work plan by August 28, 2012, to address the technical comments, or meet with ACEH representatives to agree to a work scope, the surgical dig, and collection of soil vapor sampling samples and analysis for VOCs using the existing 10 soil vapor points. The meeting occurred on November 14, 2012.

Prior to excavating the Dispenser Room, Clearwater staff prepared an *Excavation and Filling Procedures* plan for the 6-foot-wide by 6-foot-deep by 3-foot-long excavation.

October 2012

As requested by ACEH, Clearwater requested from the laboratory that previously reported soil vapor analytical data be re-generated with the addition of chlorinated solvents detections. Air Toxics Ltd. Laboratory provided the laboratory report for the updated data collected on December 8, 2011. VOC detections included the following, which were added to the cumulative soil vapor tables: TPH-g, TPH-d, naphthalene, 1-methyl naphthalene, toluene, ethylbenzene, xylenes, 1, 3, 5-Trimethylbenzene, 1, 2, 4-Trimethylbenzene, Ethanol, tetrachloroethene, methyl chloride, hexane, cyclohexane, cumene, chloroform, Freon 11, Freon 12, Freon 113, 4-ethyltoluene, acetone, and tetrahydrofuran were detected. Some soil vapor points are located in the residential-use area and some are located in commercial-use area. All detections were at levels well below the CHHSLs for their respective use-area. The reporting of this data was provided in Clearwater's, *Update of the Soil Vapor Sample Analytical Report Presented in the Sub-Slab Soil Vapor Sampling Report*.

The dispenser vent pipes and the dispenser room concrete pad were removed. Visibly stained soil below the dispenser area was removed/excavated, and PID readings and samples were taken. Three drums of soil were generated from the excavation and disposed of under manifest. The analytical report from the waste disposal data was sent to Clearwater from Kiff Analytical, and the determination was made that this document does not need to be uploaded due to its status as a waste characterization report.

November 2012 -January 2013

The subslab excavation report, *Sub-Slab Excavation Report*, was produced. An agency meeting occurred at ACEH to review progress and re-set the future scope of work. Per ACEH directive to identify wells within 2,000 feet, a DWR Well Completion Report Request to the ACEH and an Alameda County Public Works Agency (ACPWA) well search request were prepared and submitted to those agencies. A Site area visit was conducted to check for any utility sumps or any obvious presence of wells within the 2,000 foot radius. An EDR Sanborn Map report to identify wells within a ½ mile radius around the site was requested and produced. This included a Sanborn Map report order of 14 Tiles.

February 2013

The *2,000-Foot-Radius Well Search Report* was produced. From the DWR and the ACPWA sources, forty sites with wells were identified. Upwards of 138 historic well sites (evidenced by windmill and/or water tank on roof) were identified in the radius on the Sanborn Tiles.

May 2013

On May 6, notice of additional funding from the USTCF was received. On May 23, Clearwater staff produced the *Workplan for Groundwater Investigation Monitoring Well Installation, Vapor Point Destruction, and Excavation Closure*.

June 2013

Three wells (MW-1 through MW-3) were installed, developed, surveyed, and sampled. Control density fill, a vapor barrier, and a concrete pad were used to bring the excavation back up to grade level. On June 26, 2013, Clearwater staff performed the second quarter 2013 groundwater monitoring event.

August 2013

On August 1, 2013, Clearwater submitted the *Second Quarter 2013 – Groundwater Monitoring Report* to ACEH. On August 12 and 13, 2013, Clearwater staff installed the final vapor seal on the slab. On August 29, 2013, Clearwater submitted the *Evaluation of Sub-Slab Soil Vapor*, which detailed the re-reporting of the sub-slab soil vapor results, to ACEH.

September 2013

On September 6, 2013, Clearwater staff performed the third quarter 2013 groundwater monitoring event.

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- Environmental Bio-Systems, Inc., December 31, 2001, Subsurface Exploration, Project #079-541A, 23rd Avenue Partners, 1125 Miller Avenue, Oakland, CA.
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- Environmental Data Resources, April 29, 2002, The EDR Radius Map with GeoCheck; Topographic Maps, Sanborn Insurance Maps, Historic Aerial Photographs; 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617; Inquiry Number: 770535.3S, Southport, Connecticut.
- Environmental Bio-Systems, Inc., October 3, 2002, Site Closure Report, 23rd Avenue Partners, 1125 Miller Avenue, Oakland, CA 94617.
- Environmental Bio-Systems, Inc., January 26, 2004, Work Plan: Groundwater Monitoring Well Installation, 23rd Avenue Partners, 1125 Miller Avenue, Oakland, CA 94617.
- Clearwater Group, October 12, 2005, Response to Agency Comments and Workplan Addendum, 1125 Miller Avenue, Oakland, CA 94617.
- Clearwater Group, February 23, 2006, Subsurface Investigation Results, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.
- Clearwater Group, January 11, 2007, Results of Soil Vapor and Soil Boring Sampling Investigation – Risk Based Corrective Analysis Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.
- Clearwater Group, September 9, 2008, Work Plan for Sub-Slab Vapor Sampling, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.
- Clearwater Group, July 23, 2010, Results of Sub-Slab Soil Vapor Investigation Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.
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Clearwater Group, January 24, 2011, Revised Workplan, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, February 29, 2012, Sub-Slab Soil Vapor Sampling Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, February 29, 2012, Soil and Groundwater Investigation Results, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, October 9, 2012, Update of the Soil Vapor Sample Analytical Report Presented in the SUB-SLAB SOIL VAPOR SAMPLING REPORT, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

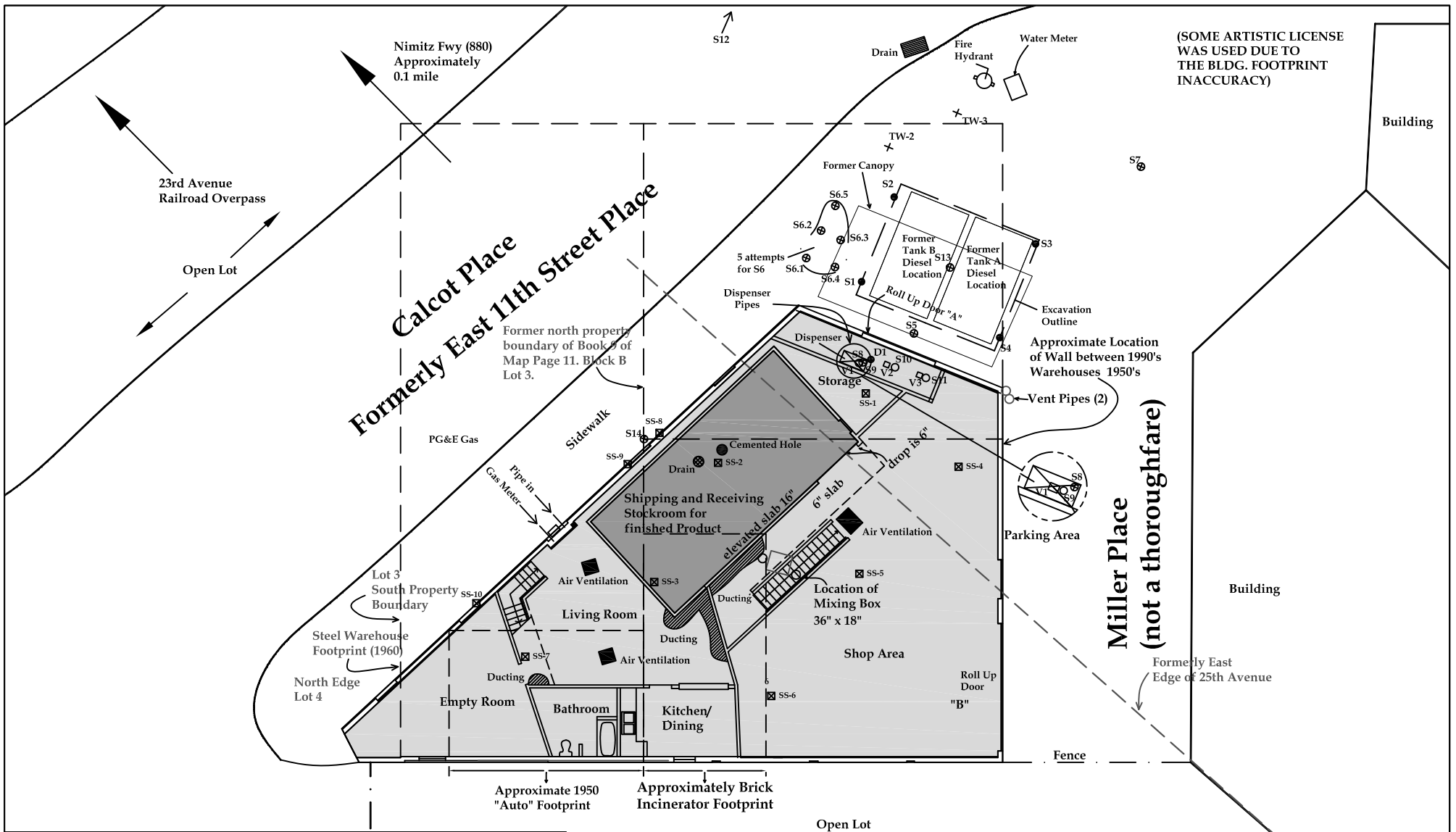
Clearwater Group, November 8, 2012, Sub-Slab Excavation Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, February 21, 2013, 2,000-Foot-Radius Well Search Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, May 23, 2013, Workplan for Groundwater Investigation Monitoring Well Installation, Vapor Point Destruction, and Excavation Closure, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, August 1, 2013, Second Quarter 2013 – Groundwater Monitoring Report, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.

Clearwater Group, August 29, 2013, Evaluation of Sub-Slab Soil Vapor, 23rd Avenue Partners, 1125 Miller Ave., Oakland, CA 94617.



LEGEND

- Floor Pad Elevation Relative to Roll Up Door "A" +8"
- Floor Pad Elevation Relative to Roll Up Door "A" +18"
- SS-1-SS-10 Sub-Slab Vapor Location (06/17/10, 11/04/10, and 11/10/11)
- S1-S14 Soil Boring Location (12/2/98, 11/16/05, and 11/28/11)
- D1 Soil Boring Location (10/24/00)
- TW-3 Temporary Well (10/24/00)
- S9-S11 Soil Boring Location (11/15/06)
- V1-V3 Soil Vapor Location (11/15/06)

*Note: Five attempts to bore S6 met refusal at 4'-6' due to subsurface debris.
Air Ventilation and Ducting are all in Ceiling

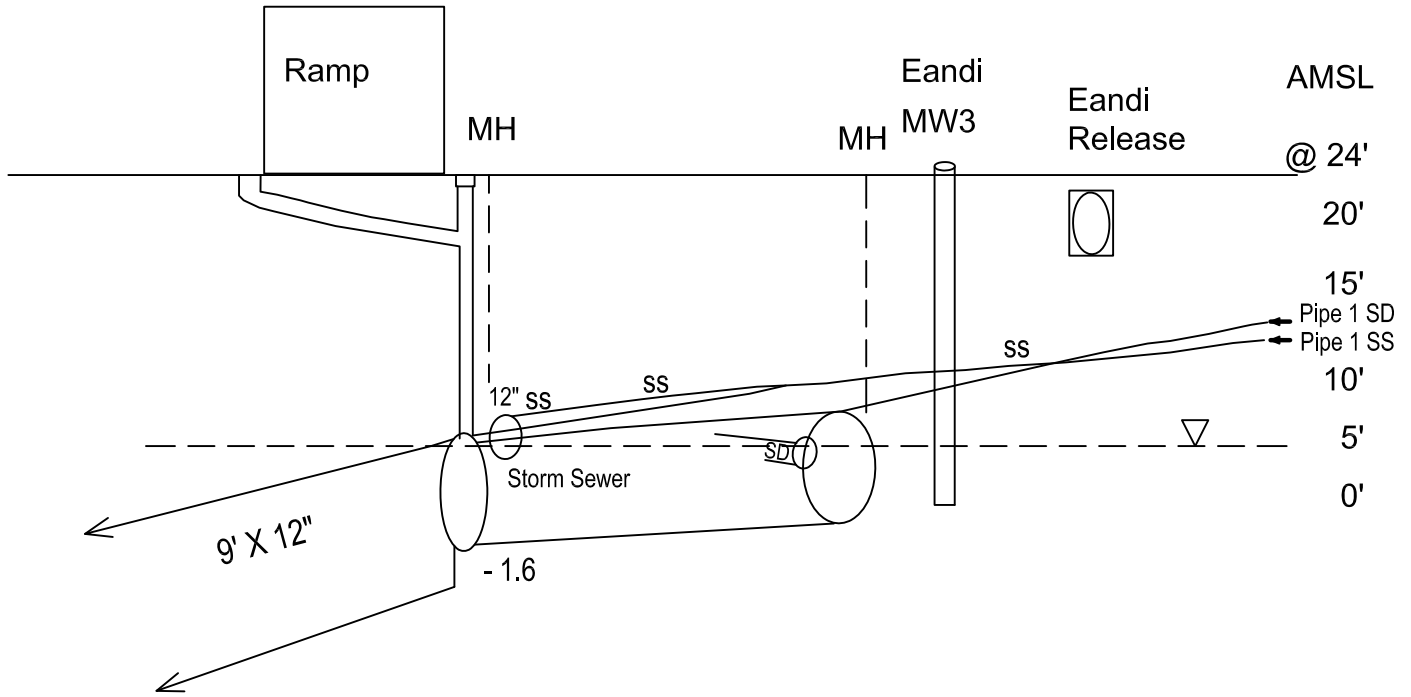
Miller Avenue

Open Lot

Parking Lot

0 20 40
APPROXIMATE SCALE IN FEET

<p>Floor Plan with Historic Overlay - Floor Plan with Incinerator Footprint, Former Property Line Footprints, Former Street Footprint and Concrete Floor Slabs Indicated</p> <p>1125 Miller Avenue Oakland, California</p>	<p>CLEARWATER GROUP</p>	
	<p>Project No. CB018</p>	<p>Figure Date 02/12</p>
	<p>Figure A</p>	



E. 11th Street
Cross Section

Eandi Release and Local Infrastructure

1125 Miller Avenue
Oakland, California

CLEARWATER GROUP

Project No.
CB018

Figure Date
3/12

Figure
B

ATTACHMENT C

CLEARWATER GROUP

Soil Sampling Procedures

Soil samples are typically collected in six-inch long, two-inch diameter brass or acetate tubes. If copper or zinc contamination is the subject of the investigation, acetate or stainless steel liners are used instead of brass. Soil sample locations are typically selected by field screening a portion of the soil for organic vapors using a calibrated organic vapor meter.

Once the sampling location has been determined, a small thickness of superficial soil is removed prior to collection, to prevent cross contamination. If the location being sampled has been exposed to the air for more than a few minutes, hand-tools will be used to dig at least 12 inches into the soil in order to collect as fresh a sample as possible. The sample is collected by pushing the tube into the soil by hand, or a rubber mallet may be used if the tube can not be driven by hand. If it is not possible to drive the tube into the soil, loose soil may be scraped from the freshly exposed surface and placed in the tube by hand.

Soil samples may also be collected using a hand auger and a slide hammer-driven sampler. The hand auger is advanced the desired depth into the soil, then withdrawn and replaced with the slide hammer sampler. The slide hammer sampler contains a 6-inch long by 2-inch diameter brass sample liner (or two 3-inch long liners) inserted inside the threaded core barrel, which is attached to the slide hammer by an extension rod. The core barrel is driven into the soil by the slide hammer, then withdrawn, unscrewed, and the sample liner removed.

Soil samples selected for laboratory analysis are immediately sealed on both ends with Teflon[®] lined plastic end caps, labeled, documented on a chain-of-custody form, and placed in a chilled cooler for transport to a state-certified laboratory.

To prevent cross-contamination of the samples, Clearwater personnel adhere to the following procedures in the field:

- A new, clean pair of latex or nitrile gloves are donned prior to collecting each sample.
- All hand-digging and sampling equipment is thoroughly decontaminated between each sample, by scrubbing equipment in a wash of Alconox[®] solution, followed by a double rinse in potable water. If required the second rinse will consist of distilled water.

CLEARWATER GROUP

Groundwater Monitoring Well Installation and Development Field Procedures

Drilling and Soil Sampling

Permits, Site Safety Plan, Utility Clearance

All required permits are obtained, unless otherwise contractually directed. A site specific Site Safety Plan is prepared detailing site hazards, site safety and control, decontamination procedures, and emergency response procedures to be employed throughout the work. At least 48 hours prior to drilling, Underground Service Alert (USA) or an equivalent agency is notified of the planned work. Clearwater attempts to locate all underground and aboveground utilities by site inspection in conjunction with its subcontractors and knowledgeable site managers (if available), and review of site as-built drawings. Clearwater may contract with a professional utility locator to refine the site utility inspection. All Clearwater drilling and sampling methods are consistent with ASTM Method D-1452-80, and local, state, and federal regulations.

Drilling Equipment

All well boreholes are drilled using a truck-mounted hollow-stem auger drill rig, unless site conditions warrant a different drilling method. All drilling equipment is inspected daily and maintained in safe working condition by the operator. All down-hole drilling equipment is steam cleaned prior to arriving on site. Working components of the drill rig near the borehole, as well as augers and drill rods, are thoroughly steam cleaned between each boring location.

Soil Sampling and Lithologic Description

Whenever possible, the first Clearwater boring to be drilled at a site is continuously cored to obtain a complete lithologic description. Subsurface conditions permitting, the first five feet of each boring are advanced using a hand-auger or post-hole digger. Otherwise, soil samples are typically collected every 5 feet to the total depth explored, using stainless steel tubes fitted in a California-modified split spoon sampler. Additional soil samples may be collected on the basis of significant changes in lithology or in areas of obvious soil contamination. During soil sample collection, the split spoon sampler is driven 18 to 24 inches past the lead auger by a 140-pound hammer falling 30 inches. The number of blows necessary to drive the sampler every 6 inches ("blow count") and the amount of soil recovered are recorded on the Field Exploratory Soil Boring Log. The type, diameter, and length of the sampler will be noted on the boring log. The soil sampler and liners are cleaned with an Alconox® solution and rinsed with tap water prior to each sampling event. Pre-cleaned liners are used whenever a soil sample may be retained for laboratory analysis.

Monitoring Well Installation

Well Casing, Screen and Filter Pack Construction

Groundwater monitoring wells are constructed with a threaded, schedule 40, polyvinyl chloride (PVC) casing unless site geochemistry or contamination necessitates an alternative material. Monitoring wells are typically constructed using a 2-inch or 4-inch diameter casing, with a factory-slotted screen and threaded end cap.

The well screen slot size is the maximum size capable of retaining 90% of the filter pack. Typically, 0.010-inch diameter slotted screen is used where the formation is predominantly clay and/or silt or fine sand and 0.020-inch screen is used where the formation is predominantly medium to coarse sand and/or gravel.

A sand filter pack is placed in the annular space across the screened interval and extended approximately two feet above the screen, as site conditions permit. The filter pack grade (mean grain size) is selected according to native sediment type as follows: a) for poorly graded fine sand or silt/clay - 4 times the 70% retained grain size of the

formation; b) for medium to coarse sand, gravel or well graded sediments - 6 times the 70% retained grain size. The retained grain size is determined by a particle size analysis, to determine a sieve screen opening size, where 70% of the soil particles are retained on the sieve screen and 30% of the soil particles pass through the sieve screen. Since results of particle size analysis are not always available, Clearwater often selects screen size and filter pack on the basis of the site lithology, usually the finest grained significantly thick layer of sediment to be screened. Commonly selected grades of filter pack sand are Lone Star® #3 or #2/12 with 0.020-inch slotted screen and Lone Star® #2/16 with 0.010-inch slotted screen.

Well Seal and Completion

A minimum two-foot thick seal of bentonite pellets is placed above the sand pack. The bentonite seal is hydrated by either formation water or potable water. Neat cement or a cement/bentonite grout mixture seals the remaining annular space to the surface. If bentonite is used in the grout mixture, it does not exceed 5% by weight. The grout is placed using a tremie pipe, if the top of the bentonite is more than 20 feet below grade, or if water is present in the boring above the bentonite seal. A watertight locking cap and protective traffic-rated vault box is installed on top of each well casing. A water-tight, traffic-rated, well box is installed, in concrete, over the top of the well to protect the well from weather and to prevent unauthorized entry into the well. The top of the box is set approximately 1/8-inch to 1/4-inch above the surrounding surface to minimize surface water intrusion. Well construction details are presented on the Field Exploratory Soil Boring Log. Following completion of a well, Clearwater completes and submits, or ensures that the driller has sufficient information to complete and submit, California Department of Water Resources Well Completion Reports (DWR Form 188).

Well Development

Well development alters the characteristics of the aquifer near the well so that water will flow more freely to the well. Well development is confined mainly to a zone immediately adjacent to the well, where the soil has been disturbed by well construction procedures. The well is pumped, or bailed, of several well volumes to remove turbid water and to draw sediment that is finer than the slotted screen opening through the well screen. Then the well is swabbed with a surge block for approximately ten minutes to further remove loose sediment. Finally, the well is pumped, or bailed, to remove the turbid water and sediment from the well. Typically, greater than ten well volumes of groundwater will be removed from a well during development. Development is stopped once the purged water is largely free of sediment.

Soil Boring Abandonment

Soil borings not converted into monitoring wells are sealed to the ground surface using neat cement or sand-cement slurry in accordance with federal, state, and local regulations. Native soil may be used to fill the top two to three feet of the borehole, as permitted.

Investigation Derived Waste

Soil cuttings and well development water are typically stored separately, in 55-gallon, steel, Department of Transportation approved drums. The drums are labeled and secured, pending proper waste profiling, transportation and appropriate disposal at an approved disposal facility. The disposal facility provides Clearwater documentation of the waste's disposal.

Surveying

The newly installed wells are surveyed by a licensed surveyor. The top of casing elevations are surveyed to 1/100 of a foot and are referenced to mean sea level. If there are preexisting wells onsite, the survey will be tied into the survey of the preexisting wells.

ATTACHMENT D

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/11/2013 By Jamesy

Permit Numbers: W2013-0425 to W2013-0429
Permits Valid from 06/14/2013 to 07/12/2013

Application Id: 1370647521109
Site Location: 1125 Miller Ave
Project Start Date: 06/14/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland
Completion Date:07/12/2013

Applicant: Clearwater Group - Olivia Jacobs
229 Tewksbury Avenue, Point Richmond, CA 94801
Property Owner: John Protopappas
155 Grand Avenue, #1025, Oakland, CA 94612
Client: ** same as Property Owner **
Contact: Olivia Jacobs

Phone: 510-307-9943
Phone: 510-452-2944
Phone: 510-590-1099
Cell: 510-590-1099

	Total Due:	\$1985.00
Receipt Number: WR2013-0205	Total Amount Paid:	\$1985.00
Payer Name : Olivia Jacobs	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 5 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2013-0425	06/11/2013	09/12/2013	MW-1	8.00 in.	2.00 in.	7.00 ft	24.00 ft
W2013-0426	06/11/2013	09/12/2013	MW-2	8.00 in.	2.00 in.	7.00 ft	24.00 ft
W2013-0427	06/11/2013	09/12/2013	MW-3	8.00 in.	2.00 in.	7.00 ft	24.00 ft
W2013-0428	06/11/2013	09/12/2013	MW-4	8.00 in.	2.00 in.	7.00 ft	24.00 ft
W2013-0429	06/11/2013	09/12/2013	MW-5	8.00 in.	2.00 in.	7.00 ft	24.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required

Alameda County Public Works Agency - Water Resources Well Permit

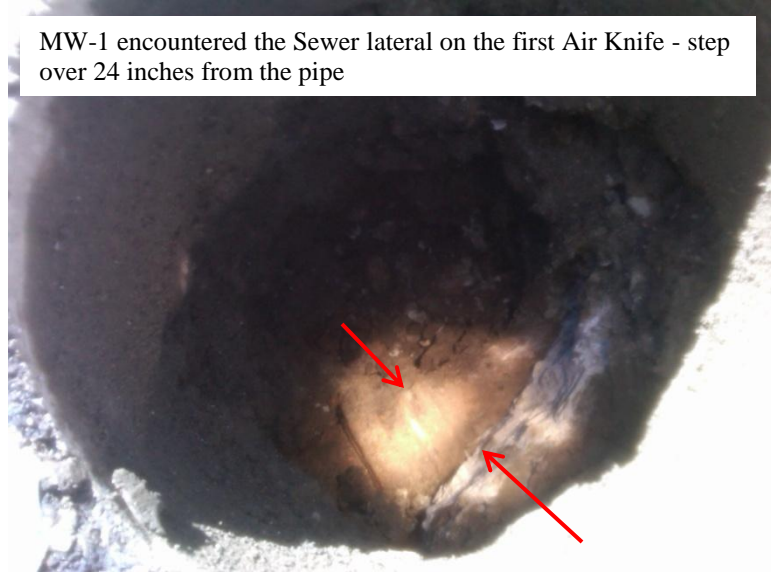
and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
 5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 8. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

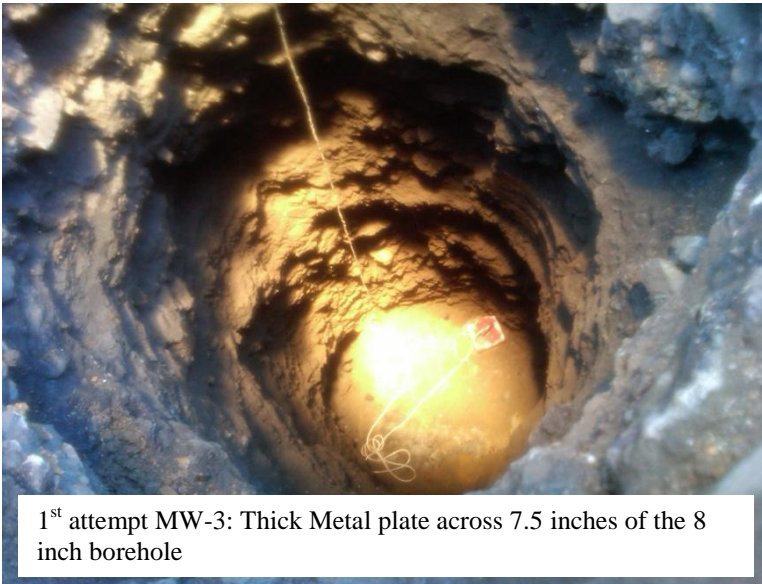
ATTACHMENT E



MW-1 silty clay all the way down. Cleared to 5 feet



MW-1 encountered the Sewer lateral on the first Air Knife - step over 24 inches from the pipe



1st attempt MW-3: Thick Metal plate across 7.5 inches of the 8 inch borehole



2nd attempt MW-3: pipe connects to the straight edged metal slab; 3rd attempt no obstructions



PG&E Electrical Line



Air-Knife on MW-3

ATTACHMENT F



Laboratory Results

Jim Jacobs
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 20 Soil Samples
Project Name : P+D 23rd Ave Partners
Project Number : CB018H

Dear Mr. Jacobs,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy Turpen

Subject : 20 Soil Samples
Project Name : P+D 23rd Ave Partners
Project Number : CB018H

Case Narrative

Page 1 of 3

A version of this report was previously issued on 06/24/2013. This revised version replaces that report. Results for samples S15 COMP, S16 COMP, and S17 COMP have been added. Narratives for raised Reporting Limits have been added.

All soil samples were reported on a total weight (wet weight) basis.

The Method Reporting Limit for Chloromethane has been increased due to the presence of an interfering compound for sample S15-19.0'.

The Method Reporting Limit for 1,1,2-Trichloroethane has been increased due to the presence of an interfering compound for samples S15-15.0', S15-17.0' and S15-19.0'.

The Method Reporting Limit for Dibromochloromethane has been increased due to the presence of an interfering compound for samples S15-15.0' and S15-19.0'.

The Method Reporting Limit for 1,1,2,2-Tetrachloroethane has been increased due to the presence of an interfering compound for samples S15-8.0', S15-10.0', S15-15.0', S15-17.0' and S15-19.0'.

The Method Reporting Limit for 1,2,3-Trichloropropane has been increased due to the presence of an interfering compound for samples S15-8.0', S15-10.0', S15-17.0' and S15-19.0'.

The Method Reporting Limit for Bromobenzene has been increased due to the presence of an interfering compound for sample S15-19.0'.

The Method Reporting Limit for 1,2,4-Trichlorobenzene has been increased due to the presence of an interfering compound for samples S15-10.0', S15-15.0', S15-17.0' and S15-19.0'.

The Method Reporting Limit for Naphthalene has been increased due to the presence of an interfering compound for samples S15-10.0', S15-15.0', S15-17.0' and S15-19.0'.

The Method Reporting Limit for 1,2,3-Trichlorobenzene has been increased due to the presence of an interfering compound for samples S15-8.0', S15-10.0', S15-15.0', S15-17.0' and S15-19.0'.

Matrix Spike/Matrix Spike Duplicate results associated with samples S15-24.5', S15-8.0',

Subject : 20 Soil Samples
Project Name : P+D 23rd Ave Partners
Project Number : CB018H

Case Narrative

Page 2 of 3

S15-10.0', S15-15.0', S15-17.0', S15-19.0', S16-10'grab, S16-15'grab, S16-17'grab, S16-20'grab, S16-25'grab, S16-7'grab hand auger, S17-7.0', S17-10.0', S17-17.0', S17-21.0', and S17-24.5' for the analyte TPH as Diesel were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples S15-24.5', S15-8.0', S15-10.0', S15-15.0', S15-17.0', S16-10'grab, S16-15'grab, S16-17'grab, S16-20'grab, S16-25'grab, S16-7'grab hand auger, S17-7.0', and S17-10.0' for the analytes 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2+4-Chlorotoluene, Bromobenzene, Isopropyl benzene, Naphthalene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, sec-butylbenzene, and tert-butylbenzene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples S15-24.5', S15-8.0', S15-17.0', S16-15'grab, S16-17'grab, S16-20'grab, S16-25'grab, S16-7'grab hand auger, S17-7.0', and S17-10.0' for the analyte Hexachlorobutadiene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples S17-17.0', S17-21.0', and S17-24.5' for the analyte Vinyl Chloride were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with sample S15-19.0' for the analytes 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,2-dibromo-3-chloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2+4-Chlorotoluene, 2,2-Dichloropropane, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, Dibromochloromethane, Dibromomethane, Diisopropyl ether, Ethyl-tert-butyl ether,

Subject : 20 Soil Samples
Project Name : P+D 23rd Ave Partners
Project Number : CB018H

Case Narrative

Page 3 of 3

Ethylbenzene, Hexachlorobutadiene, Isopropyl benzene, Methyl-t-butyl ether, Methylene Chloride, Naphthalene, O-Xylene, P + M Xylene, Styrene, Tert-Butanol, Tert-amyl-methyl ether, Tetrachloroethene, Toluene, Trichloroethene, Trichlorofluoromethane, Vinyl Chloride, c-1,3-Dichloropropene, cis-1,2-Dichloroethene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, sec-butylbenzene, t-1,2-Dichloroethene, t-1,3-Dichloropropene, and tert-butylbenzene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Surrogate Recovery for sample S15-17.0' for test method Mod. EPA 8015 was outside of control limits. This may indicate a bias in the analysis due to the sample's matrix or an interference from compounds present in the sample.

Matrix Spike/Matrix Spike Duplicate results associated with samples S15 COMP, S16 COMP, and S17 COMP for the analytes Antimony and Barium were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S15-24.5'** Matrix : Soil Lab Number : 85145-01

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	8.4	1.0	mg/Kg	M EPA 8015	06/19/13 14:03
Octacosane (Diesel Surrogate)	80.8		% Recovery	M EPA 8015	06/19/13 14:03

Sample : **S15-8.0'** Matrix : Soil Lab Number : 85145-02

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	4000	200	mg/Kg	M EPA 8015	06/20/13 09:57
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	06/20/13 09:57

Sample : **S15-10.0'** Matrix : Soil Lab Number : 85145-03

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	3400	100	mg/Kg	M EPA 8015	06/20/13 08:58
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	06/20/13 08:58

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S15-15.0'**

Matrix : Soil

Lab Number : 85145-04

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	10000	200	mg/Kg	M EPA 8015	06/20/13 07:31
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	06/20/13 07:31

Sample : **S15-17.0'**

Matrix : Soil

Lab Number : 85145-05

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	5800	10	mg/Kg	M EPA 8015	06/20/13 09:28
Octacosane (Diesel Surrogate)	134		% Recovery	M EPA 8015	06/20/13 09:28

Sample : **S15-19.0'**

Matrix : Soil

Lab Number : 85145-06

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	8400	200	mg/Kg	M EPA 8015	06/20/13 08:00
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	06/20/13 08:00

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S16-10'grab**

Matrix : Soil

Lab Number : 85145-07

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	11	1.0	mg/Kg	M EPA 8015	06/19/13 23:38
Octacosane (Diesel Surrogate)	95.5		% Recovery	M EPA 8015	06/19/13 23:38

Sample : **S16-15'grab**

Matrix : Soil

Lab Number : 85145-08

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	5.5	1.0	mg/Kg	M EPA 8015	06/19/13 18:00
Octacosane (Diesel Surrogate)	96.0		% Recovery	M EPA 8015	06/19/13 18:00

Sample : **S16-17'grab**

Matrix : Soil

Lab Number : 85145-09

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	1.9	1.0	mg/Kg	M EPA 8015	06/19/13 18:29
(Note: Discrete peaks, higher boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	97.6		% Recovery	M EPA 8015	06/19/13 18:29

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S16-20'grab**

Matrix : Soil

Lab Number : 85145-10

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	3.0	1.0	mg/Kg	M EPA 8015	06/19/13 17:30
Octacosane (Diesel Surrogate)	99.4		% Recovery	M EPA 8015	06/19/13 17:30

Sample : **S16-25'grab**

Matrix : Soil

Lab Number : 85145-11

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	06/19/13 23:09
Octacosane (Diesel Surrogate)	88.0		% Recovery	M EPA 8015	06/19/13 23:09

Sample : **S16-7'grab hand auger**

Matrix : Soil

Lab Number : 85145-12

Sample Date :06/13/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	7.7	1.0	mg/Kg	M EPA 8015	06/19/13 16:23
Octacosane (Diesel Surrogate)	88.7		% Recovery	M EPA 8015	06/19/13 16:23

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S17-7.0'**

Matrix : Soil

Lab Number : 85145-13

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	1.6	1.0	mg/Kg	M EPA 8015	06/19/13 15:05
Octacosane (Diesel Surrogate)	97.5		% Recovery	M EPA 8015	06/19/13 15:05

Sample : **S17-10.0'**

Matrix : Soil

Lab Number : 85145-14

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	06/19/13 15:34
Octacosane (Diesel Surrogate)	92.5		% Recovery	M EPA 8015	06/19/13 15:34

Sample : **S17-17.0'**

Matrix : Soil

Lab Number : 85145-15

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Discrete peaks, higher boiling hydrocarbons present, atypical for Diesel Fuel.)	3.0	1.0	mg/Kg	M EPA 8015	06/19/13 16:03
Octacosane (Diesel Surrogate)	93.2		% Recovery	M EPA 8015	06/19/13 16:03

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S17-21.0'**

Matrix : Soil

Lab Number : 85145-16

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Discrete peaks, higher boiling hydrocarbons present, atypical for Diesel Fuel.)	5.9	1.0	mg/Kg	M EPA 8015	06/19/13 16:32
Octacosane (Diesel Surrogate)	93.8		% Recovery	M EPA 8015	06/19/13 16:32

Sample : **S17-24.5'**

Matrix : Soil

Lab Number : 85145-17

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
TPH as Diesel (Note: Discrete peaks, higher boiling hydrocarbons present, atypical for Diesel Fuel.)	1.6	1.0	mg/Kg	M EPA 8015	06/19/13 17:02
Octacosane (Diesel Surrogate)	92.6		% Recovery	M EPA 8015	06/19/13 17:02

Sample : S15-24.5'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-01

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 03:37
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 03:37
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37

Sample : S15-24.5'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-01

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 21:41
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 03:37
1,2-Dichloroethane-d4 (Surr)	87.1		% Recovery	06/18/13 03:37
4-Bromofluorobenzene (Surr)	91.7		% Recovery	06/18/13 03:37
Toluene - d8 (Surr)	101		% Recovery	06/18/13 03:37

Sample : S15-8.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-02

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
TPH as Gasoline	4.5	1.0	mg/Kg	06/18/13 14:59
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 14:59
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59

Sample : S15-8.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-02

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Isopropyl benzene	0.0096	0.0050	mg/Kg	06/18/13 14:59
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,1,2,2-Tetrachloroethane	< 0.010	0.010	mg/Kg	06/18/13 14:59
1,2,3-Trichloropropane	< 0.020	0.020	mg/Kg	06/18/13 14:59
n-Propylbenzene	0.028	0.0050	mg/Kg	06/18/13 14:59
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
sec-Butylbenzene	0.021	0.0050	mg/Kg	06/18/13 14:59
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
n-Butylbenzene	0.063	0.0050	mg/Kg	06/18/13 14:59
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 02:21
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 14:59
1,2,3-Trichlorobenzene	< 0.0080	0.0080	mg/Kg	06/18/13 14:59
1,2-Dichloroethane-d4 (Surr)	94.2		% Recovery	06/18/13 14:59
4-Bromofluorobenzene (Surr)	94.3		% Recovery	06/18/13 14:59
Toluene - d8 (Surr)	99.8		% Recovery	06/18/13 14:59

Sample : S15-10.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-03

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	06/18/13 16:43
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	06/18/13 16:43
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	06/18/13 16:43
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	06/18/13 16:43
Tert-Butanol	< 0.15	0.15	mg/Kg	06/18/13 16:43
TPH as Gasoline	76	2.5	mg/Kg	06/18/13 16:43
Dichlorodifluoromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Chloromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Vinyl Chloride	< 0.025	0.025	mg/Kg	06/18/13 16:43
Bromomethane	< 0.50	0.50	mg/Kg	06/18/13 16:43
Chloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Trichlorofluoromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1-Dichloroethene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Methylene Chloride	< 0.025	0.025	mg/Kg	06/18/13 16:43
trans-1,2-Dichloroethene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1-Dichloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
2,2-Dichloropropane	< 0.025	0.025	mg/Kg	06/18/13 16:43
cis-1,2-Dichloroethene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Chloroform	< 0.025	0.025	mg/Kg	06/18/13 16:43
Bromochloromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1,1-Trichloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1-Dichloropropene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Carbon Tetrachloride	< 0.025	0.025	mg/Kg	06/18/13 16:43
Benzene	0.042	0.025	mg/Kg	06/18/13 16:43
Trichloroethene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,2-Dichloropropane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Bromodichloromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Dibromomethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
cis-1,3-Dichloropropene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Toluene	0.034	0.025	mg/Kg	06/18/13 16:43
trans-1,3-Dichloropropene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1,2-Trichloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,3-Dichloropropane	< 0.025	0.025	mg/Kg	06/18/13 16:43

Sample : **S15-10.0'**

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Lab Number : 85145-03

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Dibromochloromethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Chlorobenzene	< 0.026	0.026	mg/Kg	06/18/13 16:43
1,1,1,2-Tetrachloroethane	< 0.025	0.025	mg/Kg	06/18/13 16:43
Ethylbenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
P,M-Xylene	0.090	0.025	mg/Kg	06/18/13 16:43
O-Xylene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Styrene	< 0.025	0.025	mg/Kg	06/18/13 16:43
Isopropyl benzene	0.33	0.025	mg/Kg	06/18/13 16:43
Bromoform	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,1,2,2-Tetrachloroethane	< 0.10	0.10	mg/Kg	06/18/13 16:43
1,2,3-Trichloropropane	< 0.20	0.20	mg/Kg	06/18/13 16:43
n-Propylbenzene	1.3	0.025	mg/Kg	06/18/13 16:43
Bromobenzene	< 0.11	0.11	mg/Kg	06/18/13 16:43
1,3,5-Trimethylbenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
2+4-Chlorotoluene	< 0.050	0.050	mg/Kg	06/18/13 16:43
tert-Butylbenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,2,4-Trimethylbenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
sec-Butylbenzene	0.30	0.025	mg/Kg	06/18/13 16:43
p-Isopropyltoluene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,3-Dichlorobenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,4-Dichlorobenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
n-Butylbenzene	0.94	0.025	mg/Kg	06/18/13 16:43
1,2-Dichlorobenzene	< 0.025	0.025	mg/Kg	06/18/13 16:43
1,2-Dibromo-3-chloropropane	< 0.050	0.050	mg/Kg	06/18/13 16:43
1,2,4-Trichlorobenzene	< 0.080	0.080	mg/Kg	06/18/13 16:43
Hexachlorobutadiene	< 0.025	0.025	mg/Kg	06/21/13 06:53
Naphthalene	< 0.080	0.080	mg/Kg	06/18/13 16:43
1,2,3-Trichlorobenzene	< 0.080	0.080	mg/Kg	06/18/13 16:43
1,2-Dichloroethane-d4 (Surr)	93.2		% Recovery	06/18/13 16:43
4-Bromofluorobenzene (Surr)	97.1		% Recovery	06/18/13 16:43
Toluene - d8 (Surr)	99.7		% Recovery	06/18/13 16:43
2-Bromochlorobenzene (Surr)	95.0		% Recovery	06/18/13 16:43

Sample : S15-15.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-04

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	06/18/13 17:18
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	06/18/13 17:18
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	06/18/13 17:18
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	06/18/13 17:18
Tert-Butanol	< 0.25	0.25	mg/Kg	06/18/13 17:18
TPH as Gasoline	600	15	mg/Kg	06/21/13 10:20
Dichlorodifluoromethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Chloromethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Vinyl Chloride	< 0.050	0.050	mg/Kg	06/18/13 17:18
Bromomethane	< 1.0	1.0	mg/Kg	06/18/13 17:18
Chloroethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Trichlorofluoromethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1-Dichloroethene	< 0.050	0.050	mg/Kg	06/18/13 17:18
Methylene Chloride	< 0.050	0.050	mg/Kg	06/18/13 17:18
trans-1,2-Dichloroethene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1-Dichloroethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
2,2-Dichloropropane	< 0.050	0.050	mg/Kg	06/18/13 17:18
cis-1,2-Dichloroethene	< 0.050	0.050	mg/Kg	06/18/13 17:18
Chloroform	< 0.050	0.050	mg/Kg	06/18/13 17:18
Bromochloromethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1,1-Trichloroethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1-Dichloropropene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Carbon Tetrachloride	< 0.050	0.050	mg/Kg	06/18/13 17:18
Benzene	0.98	0.050	mg/Kg	06/18/13 17:18
Trichloroethene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,2-Dichloropropane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Bromodichloromethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Dibromomethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
cis-1,3-Dichloropropene	< 0.050	0.050	mg/Kg	06/18/13 17:18
Toluene	0.11	0.050	mg/Kg	06/18/13 17:18
trans-1,3-Dichloropropene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1,2-Trichloroethane	< 0.50	0.50	mg/Kg	06/18/13 17:18
1,3-Dichloropropane	< 0.050	0.050	mg/Kg	06/18/13 17:18

Sample : S15-15.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-04

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.050	0.050	mg/Kg	06/18/13 17:18
Dibromochloromethane	< 0.080	0.080	mg/Kg	06/18/13 17:18
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Chlorobenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1,1,2-Tetrachloroethane	< 0.050	0.050	mg/Kg	06/18/13 17:18
Ethylbenzene	0.24	0.050	mg/Kg	06/18/13 17:18
P,M-Xylene	0.63	0.050	mg/Kg	06/18/13 17:18
O-Xylene	0.10	0.050	mg/Kg	06/18/13 17:18
Styrene	< 0.050	0.050	mg/Kg	06/18/13 17:18
Isopropyl benzene	3.0	0.050	mg/Kg	06/18/13 17:18
Bromoform	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,1,2,2-Tetrachloroethane	< 0.50	0.50	mg/Kg	06/18/13 17:18
1,2,3-Trichloropropane	< 0.050	0.050	mg/Kg	06/18/13 17:18
n-Propylbenzene	11	0.050	mg/Kg	06/18/13 17:18
Bromobenzene	< 0.22	0.22	mg/Kg	06/18/13 17:18
1,3,5-Trimethylbenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
2+4-Chlorotoluene	< 0.10	0.10	mg/Kg	06/18/13 17:18
tert-Butylbenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,2,4-Trimethylbenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
sec-Butylbenzene	1.8	0.050	mg/Kg	06/18/13 17:18
p-Isopropyltoluene	0.063	0.050	mg/Kg	06/18/13 17:18
1,3-Dichlorobenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,4-Dichlorobenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
n-Butylbenzene	5.8	0.050	mg/Kg	06/18/13 17:18
1,2-Dichlorobenzene	< 0.050	0.050	mg/Kg	06/18/13 17:18
1,2-Dibromo-3-chloropropane	< 0.098	0.098	mg/Kg	06/18/13 17:18
1,2,4-Trichlorobenzene	< 0.20	0.20	mg/Kg	06/18/13 17:18
Hexachlorobutadiene	< 0.15	0.15	mg/Kg	06/21/13 10:20
Naphthalene	< 0.50	0.50	mg/Kg	06/18/13 17:18
1,2,3-Trichlorobenzene	< 0.50	0.50	mg/Kg	06/18/13 17:18
1,2-Dichloroethane-d4 (Surr)	80.5		% Recovery	06/18/13 17:18
4-Bromofluorobenzene (Surr)	93.3		% Recovery	06/18/13 17:18
Toluene - d8 (Surr)	87.9		% Recovery	06/18/13 17:18
2-Bromochlorobenzene (Surr)	88.1		% Recovery	06/18/13 17:18

Sample : S15-17.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-05

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Tert-Butanol	< 0.015	0.015	mg/Kg	06/18/13 15:34
TPH as Gasoline	21	1.0	mg/Kg	06/18/13 15:34
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Bromomethane	< 0.050	0.050	mg/Kg	06/18/13 15:34
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Benzene	0.11	0.0050	mg/Kg	06/18/13 15:34
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Toluene	0.0078	0.0050	mg/Kg	06/18/13 15:34
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1,2-Trichloroethane	< 0.010	0.010	mg/Kg	06/18/13 15:34
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34

Sample : S15-17.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-05

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Ethylbenzene	0.010	0.0050	mg/Kg	06/18/13 15:34
P,M-Xylene	0.024	0.0050	mg/Kg	06/18/13 15:34
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
Isopropyl benzene	0.12	0.0050	mg/Kg	06/18/13 15:34
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,1,2,2-Tetrachloroethane	< 0.020	0.020	mg/Kg	06/18/13 15:34
1,2,3-Trichloropropane	< 0.050	0.050	mg/Kg	06/18/13 15:34
n-Propylbenzene	0.37	0.0050	mg/Kg	06/18/13 15:34
Bromobenzene	< 0.011	0.011	mg/Kg	06/18/13 15:34
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
sec-Butylbenzene	0.052	0.0050	mg/Kg	06/18/13 15:34
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
n-Butylbenzene	0.15	0.0050	mg/Kg	06/18/13 15:34
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 15:34
1,2,4-Trichlorobenzene	< 0.0080	0.0080	mg/Kg	06/18/13 15:34
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 02:58
Naphthalene	< 0.010	0.010	mg/Kg	06/18/13 15:34
1,2,3-Trichlorobenzene	< 0.020	0.020	mg/Kg	06/18/13 15:34
1,2-Dichloroethane-d4 (Surr)	80.5		% Recovery	06/18/13 15:34
4-Bromofluorobenzene (Surr)	96.2		% Recovery	06/18/13 15:34
Toluene - d8 (Surr)	83.6		% Recovery	06/18/13 15:34

Sample : S15-19.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-06

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Tert-Butanol	< 0.025	0.025	mg/Kg	06/21/13 15:36
TPH as Gasoline	43	1.0	mg/Kg	06/21/13 15:36
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Chloromethane	< 0.0080	0.0080	mg/Kg	06/21/13 15:36
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Bromomethane	< 0.10	0.10	mg/Kg	06/21/13 15:36
Chloroethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Chloroform	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Benzene	0.37	0.0050	mg/Kg	06/21/13 15:36
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Toluene	0.024	0.0050	mg/Kg	06/21/13 15:36
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1,2-Trichloroethane	< 0.020	0.020	mg/Kg	06/21/13 15:36
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36

Sample : S15-19.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-06

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Dibromochloromethane	< 0.0080	0.0080	mg/Kg	06/21/13 15:36
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Chlorobenzene	< 0.0051	0.0051	mg/Kg	06/21/13 15:36
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Ethylbenzene	0.0057	0.0050	mg/Kg	06/21/13 15:36
P,M-Xylene	0.065	0.0050	mg/Kg	06/21/13 15:36
O-Xylene	0.018	0.0050	mg/Kg	06/21/13 15:36
Styrene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Isopropyl benzene	0.089	0.0050	mg/Kg	06/21/13 15:36
Bromoform	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,1,2,2-Tetrachloroethane	< 0.080	0.080	mg/Kg	06/21/13 15:36
1,2,3-Trichloropropane	< 0.080	0.080	mg/Kg	06/21/13 15:36
n-Propylbenzene	0.20	0.0050	mg/Kg	06/21/13 15:36
Bromobenzene	< 0.022	0.022	mg/Kg	06/21/13 15:36
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
2+4-Chlorotoluene	< 0.010	0.010	mg/Kg	06/21/13 15:36
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,2,4-Trimethylbenzene	0.0091	0.0050	mg/Kg	06/21/13 15:36
sec-Butylbenzene	0.090	0.0050	mg/Kg	06/21/13 15:36
p-Isopropyltoluene	0.019	0.0050	mg/Kg	06/21/13 15:36
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
n-Butylbenzene	0.24	0.0050	mg/Kg	06/21/13 15:36
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
1,2-Dibromo-3-chloropropane	< 0.010	0.010	mg/Kg	06/21/13 15:36
1,2,4-Trichlorobenzene	< 0.080	0.080	mg/Kg	06/21/13 15:36
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 15:36
Naphthalene	< 0.020	0.020	mg/Kg	06/21/13 15:36
1,2,3-Trichlorobenzene	< 0.050	0.050	mg/Kg	06/21/13 15:36
1,2-Dichloroethane-d4 (Surr)	84.1		% Recovery	06/21/13 15:36
4-Bromofluorobenzene (Surr)	97.3		% Recovery	06/21/13 15:36
Toluene - d8 (Surr)	84.3		% Recovery	06/21/13 15:36

Sample : S16-10'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-07

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 06:34
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 06:34
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34

Sample : S16-10'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-07

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 13:07
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 06:34
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	06/18/13 06:34
4-Bromofluorobenzene (Surr)	94.8		% Recovery	06/18/13 06:34
Toluene - d8 (Surr)	101		% Recovery	06/18/13 06:34

Sample : **S16-15'grab**

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Lab Number : 85145-08

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 12:03
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 12:03
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03

Sample : S16-15'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-08

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 16:21
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:03
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	06/18/13 12:03
4-Bromofluorobenzene (Surr)	98.0		% Recovery	06/18/13 12:03
Toluene - d8 (Surr)	102		% Recovery	06/18/13 12:03

Sample : S16-17'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-09

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 12:39
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 12:39
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39

Sample : S16-17'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-09

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 01:46
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 12:39
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	06/18/13 12:39
4-Bromofluorobenzene (Surr)	97.8		% Recovery	06/18/13 12:39
Toluene - d8 (Surr)	101		% Recovery	06/18/13 12:39

Sample : S16-20'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-10

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 13:14
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 13:14
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14

Sample : S16-20'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-10

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 22:15
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:14
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	06/18/13 13:14
4-Bromofluorobenzene (Surr)	97.0		% Recovery	06/18/13 13:14
Toluene - d8 (Surr)	101		% Recovery	06/18/13 13:14

Sample : S16-25'grab

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-11

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 13:49
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 13:49
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49

Sample : **S16-25'grab**

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Lab Number : 85145-11

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 22:49
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 13:49
1,2-Dichloroethane-d4 (Surr)	97.8		% Recovery	06/18/13 13:49
4-Bromofluorobenzene (Surr)	95.6		% Recovery	06/18/13 13:49
Toluene - d8 (Surr)	101		% Recovery	06/18/13 13:49

Sample : S16-7'grab hand auger

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-12

Matrix : Soil

Sample Date :06/13/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 14:24
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 14:24
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24

Sample : S16-7'grab hand auger

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-12

Matrix : Soil

Sample Date :06/13/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 23:25
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 14:24
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	06/18/13 14:24
4-Bromofluorobenzene (Surr)	96.6		% Recovery	06/18/13 14:24
Toluene - d8 (Surr)	101		% Recovery	06/18/13 14:24

Sample : S17-7.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-13

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 10:53
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 10:53
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53

Sample : S17-7.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-13

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 00:00
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 10:53
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	06/18/13 10:53
4-Bromofluorobenzene (Surr)	96.9		% Recovery	06/18/13 10:53
Toluene - d8 (Surr)	101		% Recovery	06/18/13 10:53

Sample : S17-10.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-14

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/18/13 11:28
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Chloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Bromomethane	< 0.020	0.020	mg/Kg	06/18/13 11:28
Chloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Chloroform	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Benzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Toluene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28

Sample : S17-10.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-14

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
O-Xylene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Styrene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Bromoform	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/21/13 00:37
Naphthalene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/18/13 11:28
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	06/18/13 11:28
4-Bromofluorobenzene (Surr)	98.2		% Recovery	06/18/13 11:28
Toluene - d8 (Surr)	101		% Recovery	06/18/13 11:28

Sample : S17-17.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-15

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/19/13 21:16
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Chloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 04:27
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Bromomethane	< 0.020	0.020	mg/Kg	06/19/13 04:27
Chloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Chloroform	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Benzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Toluene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16

Sample : S17-17.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-15

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
O-Xylene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Styrene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Bromoform	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
Naphthalene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/19/13 21:16
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	06/19/13 21:16
4-Bromofluorobenzene (Surr)	101		% Recovery	06/19/13 21:16
Toluene - d8 (Surr)	101		% Recovery	06/19/13 21:16

Sample : S17-21.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-16

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/20/13 13:47
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Chloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 05:02
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Bromomethane	< 0.020	0.020	mg/Kg	06/19/13 05:02
Chloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Chloroform	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Benzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Toluene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47

Sample : S17-21.0'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-16

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
O-Xylene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Styrene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Bromoform	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
Naphthalene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 13:47
1,2-Dichloroethane-d4 (Surr)	109		% Recovery	06/20/13 13:47
4-Bromofluorobenzene (Surr)	102		% Recovery	06/20/13 13:47
Toluene - d8 (Surr)	101		% Recovery	06/20/13 13:47

Sample : S17-24.5'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-17

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Tert-Butanol	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
TPH as Gasoline	< 1.0	1.0	mg/Kg	06/20/13 14:27
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Chloromethane	< 0.0050	0.0050	mg/Kg	06/19/13 05:38
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Bromomethane	< 0.020	0.020	mg/Kg	06/19/13 05:38
Chloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Methylene Chloride	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Chloroform	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Bromochloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Benzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Trichloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Dibromomethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Toluene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27

Sample : S17-24.5'

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Lab Number : 85145-17

Matrix : Soil

Sample Date :06/14/2013

Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Chlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Ethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
P,M-Xylene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
O-Xylene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Styrene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Bromoform	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Bromobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
Naphthalene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	06/20/13 14:27
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	06/20/13 14:27
4-Bromofluorobenzene (Surr)	101		% Recovery	06/20/13 14:27
Toluene - d8 (Surr)	101		% Recovery	06/20/13 14:27

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S15 COMP**

Matrix : Soil

Lab Number : 85145-18

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:27
Arsenic	5.3	0.75	mg/Kg	EPA 6010B	07/11/13 13:27
Barium	160	0.50	mg/Kg	EPA 6010B	07/11/13 13:27
Beryllium	0.48	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	07/11/13 13:27
Chromium	64	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Cobalt	17	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Copper	22	0.50	mg/Kg	EPA 6010B	07/11/13 13:27
Lead	7.0	0.50	mg/Kg	EPA 6010B	07/11/13 13:27
Molybdenum	0.32	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Nickel	120	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:27
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:27
Vanadium	42	0.25	mg/Kg	EPA 6010B	07/11/13 13:27
Zinc	41	1.0	mg/Kg	EPA 6010B	07/11/13 13:27
Mercury	0.11	0.050	mg/Kg	EPA 7471A	07/09/13 15:55

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S16 COMP**

Matrix : Soil

Lab Number : 85145-19

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:32
Arsenic	4.8	0.75	mg/Kg	EPA 6010B	07/11/13 13:32
Barium	130	0.50	mg/Kg	EPA 6010B	07/11/13 13:32
Beryllium	0.43	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	07/11/13 13:32
Chromium	56	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Cobalt	11	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Copper	71	0.50	mg/Kg	EPA 6010B	07/11/13 13:32
Lead	4.8	0.50	mg/Kg	EPA 6010B	07/11/13 13:32
Molybdenum	0.31	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Nickel	85	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:32
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:32
Vanadium	34	0.25	mg/Kg	EPA 6010B	07/11/13 13:32
Zinc	120	1.0	mg/Kg	EPA 6010B	07/11/13 13:32
Mercury	0.12	0.050	mg/Kg	EPA 7471A	07/09/13 15:56

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Sample : **S17 COMP**

Matrix : Soil

Lab Number : 85145-20

Sample Date :06/14/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:36
Arsenic	3.6	0.75	mg/Kg	EPA 6010B	07/11/13 13:36
Barium	140	0.50	mg/Kg	EPA 6010B	07/11/13 13:36
Beryllium	0.44	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	07/11/13 13:36
Chromium	54	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Cobalt	8.6	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Copper	15	0.50	mg/Kg	EPA 6010B	07/11/13 13:36
Lead	5.0	0.50	mg/Kg	EPA 6010B	07/11/13 13:36
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Nickel	80	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:36
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	07/11/13 13:36
Vanadium	29	0.25	mg/Kg	EPA 6010B	07/11/13 13:36
Zinc	38	1.0	mg/Kg	EPA 6010B	07/11/13 13:36
Mercury	0.11	0.050	mg/Kg	EPA 7471A	07/09/13 15:58

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Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	07/09/2013
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	07/10/2013
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	07/10/2013
Barium	< 0.50	0.50	mg/Kg	EPA 6010B	07/10/2013
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	07/10/2013
Chromium	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Cobalt	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Copper	< 0.50	0.50	mg/Kg	EPA 6010B	07/10/2013
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	07/10/2013
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Nickel	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	07/10/2013
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	07/10/2013
Vanadium	< 0.25	0.25	mg/Kg	EPA 6010B	07/10/2013
Zinc	< 1.0	1.0	mg/Kg	EPA 6010B	07/10/2013
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	06/19/2013
Octacosane (Diesel Surrogate)	75.3		%	M EPA 8015	06/19/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	06/17/2013
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	06/17/2013
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013

QC Report : Method Blank Data

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/18/2013
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	06/18/2013
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	06/19/2013
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/17/2013	1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	06/17/2013	1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
4-Bromofluorobenzene (Surr)	93.7		%	EPA 8260B	06/17/2013	Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
Toluene - d8 (Surr)	101		%	EPA 8260B	06/17/2013	Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
						Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
						1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013

QC Report : Method Blank Data

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,2-Dichloroethane-d4 (Surr)	106		%	EPA 8260B	06/19/2013
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	06/19/2013
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Toluene - d8 (Surr)	102		%	EPA 8260B	06/19/2013
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	06/20/2013
1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/20/2013
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	06/21/2013
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	06/21/2013
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013	Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013						
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013						
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/19/2013						

QC Report : Method Blank Data

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	06/21/2013
1,2-Dichloroethane-d4 (Surr)	108		%	EPA 8260B	06/21/2013
4-Bromofluorobenzene (Surr)	98.0		%	EPA 8260B	06/21/2013
Toluene - d8 (Surr)	101		%	EPA 8260B	06/21/2013

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	85145-01	8.4	19.6	19.9	22.2	45.4	mg/Kg	M EPA 8015	6/19/13	70.1	186	90.3	60-140	25
1,1,1,2-Tetrachloroethane	85143-01	<0.0050	0.0392	0.0390	0.0346	0.0323	mg/Kg	EPA 8260B	6/17/13	88.3	82.8	6.51	70.0-130	25
1,1,1-Trichloroethane	85143-01	<0.0050	0.0392	0.0390	0.0343	0.0325	mg/Kg	EPA 8260B	6/17/13	87.5	83.4	4.85	70.0-130	25
1,1,2,2-Tetrachloroethane	85143-01	<0.0050	0.0392	0.0390	0.0383	0.0309	mg/Kg	EPA 8260B	6/17/13	97.8	79.4	20.8	70.0-130	25
1,1,2-Trichloroethane	85143-01	<0.0050	0.0392	0.0390	0.0376	0.0342	mg/Kg	EPA 8260B	6/17/13	95.8	87.6	8.91	70.0-130	25
1,1-Dichloroethane	85143-01	<0.0050	0.0392	0.0390	0.0366	0.0352	mg/Kg	EPA 8260B	6/17/13	93.2	90.4	3.11	70.0-130	25
1,1-Dichloroethene	85143-01	<0.0050	0.0392	0.0390	0.0352	0.0339	mg/Kg	EPA 8260B	6/17/13	89.6	87.0	2.95	70.0-130	25
1,1-Dichloropropene	85143-01	<0.0050	0.0392	0.0390	0.0341	0.0320	mg/Kg	EPA 8260B	6/17/13	87.1	82.0	5.98	70.0-130	25
1,2,3-Trichlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0178	0.0151	mg/Kg	EPA 8260B	6/17/13	45.3	38.7	15.7	65.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2,3-Trichloropropane	85143-01	<0.0050	0.0392	0.0390	0.0348	0.0290	mg/Kg	EPA 8260B	6/17/13	88.8	74.4	17.6	70.0-130	25
1,2,4-Trichlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0190	0.0147	mg/Kg	EPA 8260B	6/17/13	48.5	37.7	25.0	70.0-130	25
1,2,4-Trimethylbenzene	85143-01	<0.0050	0.0392	0.0390	0.0291	0.0237	mg/Kg	EPA 8260B	6/17/13	74.3	60.8	20.1	70.0-130	25
1,2-Dibromoethane	85143-01	<0.0050	0.0393	0.0391	0.0375	0.0334	mg/Kg	EPA 8260B	6/17/13	95.4	85.5	10.9	70.0-130	25
1,2-Dichlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0277	0.0228	mg/Kg	EPA 8260B	6/17/13	70.6	58.6	18.6	70.0-130	25
1,2-Dichloroethane	85143-01	<0.0050	0.0392	0.0390	0.0353	0.0327	mg/Kg	EPA 8260B	6/17/13	90.1	83.9	7.08	70.0-130	25
1,2-Dichloropropane	85143-01	<0.0050	0.0392	0.0390	0.0379	0.0361	mg/Kg	EPA 8260B	6/17/13	96.8	92.6	4.38	70.0-130	25
1,2-dibromo-3-chloropropane	85143-01	<0.0050	0.0392	0.0390	0.0337	0.0269	mg/Kg	EPA 8260B	6/17/13	85.8	69.1	21.6	70.0-130	25
1,3,5-Trimethylbenzene	85143-01	<0.0050	0.0392	0.0390	0.0295	0.0243	mg/Kg	EPA 8260B	6/17/13	75.2	62.3	18.8	70.0-130	25
1,3-Dichlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0276	0.0210	mg/Kg	EPA 8260B	6/17/13	70.4	53.8	26.8	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,3-Dichloropropane	85143-01	<0.0050	0.0392	0.0390	0.0367	0.0335	mg/Kg	EPA 8260B	6/17/13	93.6	85.9	8.68	70.0-130	25
1,4-Dichlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0275	0.0232	mg/Kg	EPA 8260B	6/17/13	70.0	59.5	16.3	70.0-130	25
2+4-Chlorotoluene	85143-01	<0.0050	0.0784	0.0780	0.0581	0.0488	mg/Kg	EPA 8260B	6/17/13	74.0	62.6	16.6	70.0-130	25
2,2-Dichloropropane	85143-01	<0.0050	0.0392	0.0390	0.0328	0.0311	mg/Kg	EPA 8260B	6/17/13	83.6	79.7	4.75	70.0-130	25
Benzene	85143-01	<0.0050	0.0392	0.0390	0.0359	0.0343	mg/Kg	EPA 8260B	6/17/13	91.5	87.9	3.97	70.0-130	25
Bromobenzene	85143-01	<0.0050	0.0392	0.0390	0.0307	0.0265	mg/Kg	EPA 8260B	6/17/13	78.3	68.0	14.2	70.0-130	25
Bromochloromethane	85143-01	<0.0050	0.0392	0.0390	0.0377	0.0354	mg/Kg	EPA 8260B	6/17/13	96.0	90.9	5.48	70.0-130	25
Bromodichloromethane	85143-01	<0.0050	0.0392	0.0390	0.0380	0.0357	mg/Kg	EPA 8260B	6/17/13	96.9	91.5	5.79	70.0-130	25
Bromoform	85143-01	<0.0050	0.0392	0.0390	0.0360	0.0312	mg/Kg	EPA 8260B	6/17/13	91.8	79.9	13.8	70.0-140	25
Bromomethane	85143-01	<0.020	0.196	0.195	0.191	0.172	mg/Kg	EPA 8260B	6/17/13	97.5	88.4	9.76	55.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Carbon Tetrachloride	85143-01	<0.0050	0.0392	0.0390	0.0337	0.0313	mg/Kg	EPA 8260B	6/17/13	85.8	80.3	6.66	70.0-130	25
Chlorobenzene	85143-01	<0.0050	0.0392	0.0390	0.0319	0.0294	mg/Kg	EPA 8260B	6/17/13	81.4	75.5	7.53	70.0-130	25
Chloroethane	85143-01	<0.0050	0.0392	0.0390	0.0373	0.0359	mg/Kg	EPA 8260B	6/17/13	95.2	92.2	3.21	70.0-130	25
Chloroform	85143-01	<0.0050	0.0392	0.0390	0.0357	0.0343	mg/Kg	EPA 8260B	6/17/13	91.0	87.9	3.55	70.0-130	25
Chloromethane	85143-01	<0.0050	0.0392	0.0390	0.0365	0.0321	mg/Kg	EPA 8260B	6/17/13	93.0	82.3	12.3	60.0-130	25
Dibromochloromethane	85143-01	<0.0050	0.0392	0.0390	0.0370	0.0336	mg/Kg	EPA 8260B	6/17/13	94.4	86.2	9.08	70.0-130	25
Dibromomethane	85143-01	<0.0050	0.0392	0.0390	0.0366	0.0331	mg/Kg	EPA 8260B	6/17/13	93.4	84.8	9.58	70.0-130	25
Dichlorodifluoromethane	85143-01	<0.0050	0.0392	0.0390	0.0309	0.0294	mg/Kg	EPA 8260B	6/17/13	78.9	75.3	4.67	40.0-135	25
Ethylbenzene	85143-01	<0.0050	0.0392	0.0390	0.0321	0.0293	mg/Kg	EPA 8260B	6/17/13	81.9	75.1	8.69	70.0-130	25
Isopropyl benzene	85143-01	<0.0050	0.0392	0.0390	0.0301	0.0260	mg/Kg	EPA 8260B	6/17/13	76.7	66.8	13.8	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methylene Chloride	85143-01	<0.0050	0.0392	0.0390	0.0374	0.0358	mg/Kg	EPA 8260B	6/17/13	95.4	91.8	3.83	70.0-130	25
Naphthalene	85143-01	<0.0050	0.0392	0.0390	0.0233	0.0191	mg/Kg	EPA 8260B	6/17/13	59.5	49.1	19.2	70.0-130	25
O-Xylene	85143-01	<0.0050	0.0392	0.0390	0.0332	0.0300	mg/Kg	EPA 8260B	6/17/13	84.6	76.9	9.57	70.0-130	25
P + M Xylene	85143-01	<0.0050	0.0392	0.0390	0.0320	0.0288	mg/Kg	EPA 8260B	6/17/13	81.5	74.0	9.64	70.0-130	25
Styrene	85143-01	<0.0050	0.0392	0.0390	0.0329	0.0285	mg/Kg	EPA 8260B	6/17/13	84.0	73.1	13.8	70.0-130	25
Tetrachloroethene	85143-01	<0.0050	0.0392	0.0390	0.0306	0.0273	mg/Kg	EPA 8260B	6/17/13	78.1	70.0	10.9	70.0-130	25
Toluene	85143-01	<0.0050	0.0392	0.0390	0.0349	0.0328	mg/Kg	EPA 8260B	6/17/13	88.9	84.0	5.65	70.0-130	25
Trichloroethene	85143-01	<0.0050	0.0392	0.0390	0.0338	0.0318	mg/Kg	EPA 8260B	6/17/13	86.3	81.5	5.72	70.0-130	25
Trichlorofluoromethane	85143-01	<0.0050	0.0392	0.0390	0.0336	0.0324	mg/Kg	EPA 8260B	6/17/13	85.7	83.1	3.13	70.0-130	25
Vinyl Chloride	85143-01	<0.0050	0.0392	0.0390	0.0348	0.0334	mg/Kg	EPA 8260B	6/17/13	88.9	85.8	3.50	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
c-1,3-Dichloropropene														
	85143-01	<0.0050	0.0392	0.0390	0.0374	0.0347	mg/Kg	EPA 8260B	6/17/13	95.4	89.1	6.82	70.0-130	25
cis-1,2-Dichloroethene														
	85143-01	<0.0050	0.0392	0.0390	0.0364	0.0348	mg/Kg	EPA 8260B	6/17/13	93.0	89.2	4.06	70.0-130	25
n-butylbenzene														
	85143-01	<0.0050	0.0392	0.0390	0.0229	0.0189	mg/Kg	EPA 8260B	6/17/13	58.4	48.4	18.7	70.0-130	25
n-propylbenzene														
	85143-01	<0.0050	0.0392	0.0390	0.0285	0.0240	mg/Kg	EPA 8260B	6/17/13	72.8	61.4	16.9	70.0-130	25
p-isopropyltoluene														
	85143-01	<0.0050	0.0392	0.0390	0.0259	0.0198	mg/Kg	EPA 8260B	6/17/13	66.0	50.8	26.1	70.0-130	25
sec-butylbenzene														
	85143-01	<0.0050	0.0392	0.0390	0.0251	0.0197	mg/Kg	EPA 8260B	6/17/13	64.1	50.6	23.4	70.0-130	25
t-1,2-Dichloroethene														
	85143-01	<0.0050	0.0392	0.0390	0.0353	0.0340	mg/Kg	EPA 8260B	6/17/13	89.9	87.1	3.16	70.0-130	25
t-1,3-Dichloropropene														
	85143-01	<0.0050	0.0392	0.0390	0.0373	0.0338	mg/Kg	EPA 8260B	6/17/13	95.2	86.8	9.22	70.0-130	25
tert-butylbenzene														
	85143-01	<0.0050	0.0392	0.0390	0.0273	0.0221	mg/Kg	EPA 8260B	6/17/13	69.7	56.6	20.7	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Bromomethane														
	85145-07	<0.020	0.195	0.199	0.133	0.148	mg/Kg	EPA 8260B	6/18/13	68.2	74.1	8.29	55.0-130	25
Chloromethane														
	85145-07	<0.0050	0.0391	0.0398	0.0244	0.0291	mg/Kg	EPA 8260B	6/18/13	62.6	73.1	15.5	60.0-130	25
Hexachlorobutadiene														
	85143-01	<0.0050	0.0398	0.0400	0.0144	0.0136	mg/Kg	EPA 8260B	6/20/13	36.2	34.1	6.02	70.0-130	25
1,1,1,2-Tetrachloroethane														
	85145-15	<0.0050	0.0396	0.0400	0.0385	0.0392	mg/Kg	EPA 8260B	6/19/13	97.3	98.0	0.747	70.0-130	25
1,1,1-Trichloroethane														
	85145-15	<0.0050	0.0396	0.0400	0.0385	0.0385	mg/Kg	EPA 8260B	6/19/13	97.3	96.2	1.07	70.0-130	25
1,1,2,2-Tetrachloroethane														
	85145-15	<0.0050	0.0396	0.0400	0.0376	0.0415	mg/Kg	EPA 8260B	6/19/13	95.1	104	8.76	70.0-130	25
1,1,2-Trichloroethane														
	85145-15	<0.0050	0.0396	0.0400	0.0373	0.0393	mg/Kg	EPA 8260B	6/19/13	94.1	98.2	4.21	70.0-130	25
1,1-Dichloroethane														
	85145-15	<0.0050	0.0396	0.0400	0.0356	0.0354	mg/Kg	EPA 8260B	6/19/13	90.0	88.4	1.78	70.0-130	25
1,1-Dichloroethene														
	85145-15	<0.0050	0.0396	0.0400	0.0339	0.0335	mg/Kg	EPA 8260B	6/19/13	85.7	83.8	2.24	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,1-Dichloropropene	85145-15	<0.0050	0.0396	0.0400	0.0365	0.0362	mg/Kg	EPA 8260B	6/19/13	92.1	90.5	1.78	70.0-130	25
1,2,3-Trichlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0332	0.0344	mg/Kg	EPA 8260B	6/19/13	83.8	86.0	2.63	65.0-130	25
1,2,3-Trichloropropane	85145-15	<0.0050	0.0396	0.0400	0.0374	0.0433	mg/Kg	EPA 8260B	6/19/13	94.5	108	13.5	70.0-130	25
1,2,4-Trichlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0362	0.0360	mg/Kg	EPA 8260B	6/19/13	91.4	89.9	1.65	70.0-130	25
1,2,4-Trimethylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0383	0.0382	mg/Kg	EPA 8260B	6/19/13	96.7	95.6	1.19	70.0-130	25
1,2-Dibromoethane	85145-15	<0.0050	0.0397	0.0401	0.0373	0.0396	mg/Kg	EPA 8260B	6/19/13	94.1	98.8	4.93	70.0-130	25
1,2-Dichlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0343	0.0341	mg/Kg	EPA 8260B	6/19/13	86.5	85.3	1.48	70.0-130	25
1,2-Dichloroethane	85145-15	<0.0050	0.0396	0.0400	0.0382	0.0392	mg/Kg	EPA 8260B	6/19/13	96.5	98.0	1.54	70.0-130	25
1,2-Dichloropropane	85145-15	<0.0050	0.0396	0.0400	0.0357	0.0355	mg/Kg	EPA 8260B	6/19/13	90.2	88.8	1.45	70.0-130	25
1,2-dibromo-3-chloropropane	85145-15	<0.0050	0.0396	0.0400	0.0369	0.0448	mg/Kg	EPA 8260B	6/19/13	93.2	112	18.2	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : P+D 23rd Ave Partners

Project Number : CB018H

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,3,5-Trimethylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0360	0.0357	mg/Kg	EPA 8260B	6/19/13	90.9	89.3	1.78	70.0-130	25
1,3-Dichlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0393	0.0397	mg/Kg	EPA 8260B	6/19/13	99.1	99.3	0.207	70.0-130	25
1,3-Dichloropropane	85145-15	<0.0050	0.0396	0.0400	0.0374	0.0390	mg/Kg	EPA 8260B	6/19/13	94.6	97.5	3.07	70.0-130	25
1,4-Dichlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0338	0.0336	mg/Kg	EPA 8260B	6/19/13	85.3	83.9	1.71	70.0-130	25
2+4-Chlorotoluene	85145-15	<0.0050	0.0792	0.0800	0.0709	0.0700	mg/Kg	EPA 8260B	6/19/13	89.5	87.5	2.26	70.0-130	25
2,2-Dichloropropane	85145-15	<0.0050	0.0396	0.0400	0.0373	0.0376	mg/Kg	EPA 8260B	6/19/13	94.3	94.0	0.318	70.0-130	25
Benzene	85145-15	<0.0050	0.0396	0.0400	0.0360	0.0357	mg/Kg	EPA 8260B	6/19/13	91.0	89.4	1.82	70.0-130	25
Bromobenzene	85145-15	<0.0050	0.0396	0.0400	0.0355	0.0358	mg/Kg	EPA 8260B	6/19/13	89.7	89.6	0.162	70.0-130	25
Bromochloromethane	85145-15	<0.0050	0.0396	0.0400	0.0369	0.0370	mg/Kg	EPA 8260B	6/19/13	93.1	92.4	0.778	70.0-130	25
Bromodichloromethane	85145-15	<0.0050	0.0396	0.0400	0.0388	0.0388	mg/Kg	EPA 8260B	6/19/13	97.9	96.9	1.03	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Bromoform	85145-15	<0.0050	0.0396	0.0400	0.0421	0.0455	mg/Kg	EPA 8260B	6/19/13	106	114	6.79	70.0-140	25
Carbon Tetrachloride	85145-15	<0.0050	0.0396	0.0400	0.0394	0.0395	mg/Kg	EPA 8260B	6/19/13	99.6	98.8	0.838	70.0-130	25
Chlorobenzene	85145-15	<0.0050	0.0396	0.0400	0.0356	0.0353	mg/Kg	EPA 8260B	6/19/13	89.9	88.2	1.94	70.0-130	25
Chloroethane	85145-15	<0.0050	0.0396	0.0400	0.0323	0.0330	mg/Kg	EPA 8260B	6/19/13	81.5	82.6	1.30	70.0-130	25
Chloroform	85145-15	<0.0050	0.0396	0.0400	0.0372	0.0375	mg/Kg	EPA 8260B	6/19/13	93.9	93.8	0.171	70.0-130	25
Dibromochloromethane	85145-15	<0.0050	0.0396	0.0400	0.0402	0.0416	mg/Kg	EPA 8260B	6/19/13	102	104	2.28	70.0-130	25
Dibromomethane	85145-15	<0.0050	0.0396	0.0400	0.0385	0.0396	mg/Kg	EPA 8260B	6/19/13	97.2	99.0	1.81	70.0-130	25
Dichlorodifluoromethane	85145-15	<0.0050	0.0396	0.0400	0.0279	0.0275	mg/Kg	EPA 8260B	6/19/13	70.5	68.7	2.51	40.0-135	25
Ethylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0376	0.0373	mg/Kg	EPA 8260B	6/19/13	94.9	93.2	1.80	70.0-130	25
Hexachlorobutadiene	85145-15	<0.0050	0.0396	0.0400	0.0334	0.0311	mg/Kg	EPA 8260B	6/19/13	84.4	77.9	8.05	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Isopropyl benzene	85145-15	<0.0050	0.0396	0.0400	0.0359	0.0355	mg/Kg	EPA 8260B	6/19/13	90.8	88.6	2.35	70.0-130	25
Methylene Chloride	85145-15	<0.0050	0.0396	0.0400	0.0355	0.0351	mg/Kg	EPA 8260B	6/19/13	89.6	87.7	2.25	70.0-130	25
Naphthalene	85145-15	<0.0050	0.0396	0.0400	0.0380	0.0422	mg/Kg	EPA 8260B	6/19/13	95.8	106	9.67	70.0-130	25
O-Xylene	85145-15	<0.0050	0.0396	0.0400	0.0364	0.0363	mg/Kg	EPA 8260B	6/19/13	92.0	90.8	1.25	70.0-130	25
P + M Xylene	85145-15	<0.0050	0.0396	0.0400	0.0365	0.0361	mg/Kg	EPA 8260B	6/19/13	92.2	90.3	2.05	70.0-130	25
Styrene	85145-15	<0.0050	0.0396	0.0400	0.0371	0.0371	mg/Kg	EPA 8260B	6/19/13	93.6	92.8	0.779	70.0-130	25
Tetrachloroethene	85145-15	<0.0050	0.0396	0.0400	0.0368	0.0364	mg/Kg	EPA 8260B	6/19/13	93.0	90.9	2.27	70.0-130	25
Toluene	85145-15	<0.0050	0.0396	0.0400	0.0371	0.0367	mg/Kg	EPA 8260B	6/19/13	93.6	91.8	2.02	70.0-130	25
Trichloroethene	85145-15	<0.0050	0.0396	0.0400	0.0352	0.0355	mg/Kg	EPA 8260B	6/19/13	88.9	88.8	0.194	70.0-130	25
Trichlorofluoromethane	85145-15	<0.0050	0.0396	0.0400	0.0350	0.0358	mg/Kg	EPA 8260B	6/19/13	88.4	89.5	1.17	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Vinyl Chloride														
c-1,3-Dichloropropene	85145-15	<0.0050	0.0396	0.0400	0.0315	0.0186	mg/Kg	EPA 8260B	6/19/13	79.7	46.5	52.5	70.0-130	25
cis-1,2-Dichloroethene	85145-15	<0.0050	0.0396	0.0400	0.0374	0.0371	mg/Kg	EPA 8260B	6/19/13	94.5	92.7	1.97	70.0-130	25
n-butylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0355	0.0354	mg/Kg	EPA 8260B	6/19/13	89.6	88.4	1.42	70.0-130	25
n-propylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0335	0.0320	mg/Kg	EPA 8260B	6/19/13	84.7	79.9	5.83	70.0-130	25
p-isopropyltoluene	85145-15	<0.0050	0.0396	0.0400	0.0357	0.0353	mg/Kg	EPA 8260B	6/19/13	90.2	88.2	2.17	70.0-130	25
sec-butylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0395	0.0390	mg/Kg	EPA 8260B	6/19/13	99.8	97.4	2.46	70.0-130	25
t-1,2-Dichloroethene	85145-15	<0.0050	0.0396	0.0400	0.0389	0.0385	mg/Kg	EPA 8260B	6/19/13	98.2	96.3	2.03	70.0-130	25
t-1,3-Dichloropropene	85145-15	<0.0050	0.0396	0.0400	0.0355	0.0349	mg/Kg	EPA 8260B	6/19/13	89.7	87.2	2.79	70.0-130	25
tert-butylbenzene	85145-15	<0.0050	0.0396	0.0400	0.0385	0.0390	mg/Kg	EPA 8260B	6/19/13	97.3	97.6	0.325	70.0-130	25
	85145-15	<0.0050	0.0396	0.0400	0.0376	0.0371	mg/Kg	EPA 8260B	6/19/13	95.0	92.8	2.25	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexachlorobutadiene	85174-03	<0.0050	0.0385	0.0393	0.0346	0.0336	mg/Kg	EPA 8260B	6/20/13	89.9	85.5	5.06	70.0-130	25
1,1,1,2-Tetrachloroethane	85174-01	<0.0050	0.0386	0.0388	0.0193	0.0210	mg/Kg	EPA 8260B	6/21/13	50.1	54.2	7.87	70.0-130	25
1,1,1-Trichloroethane	85174-01	<0.0050	0.0386	0.0388	0.0194	0.0202	mg/Kg	EPA 8260B	6/21/13	50.1	52.0	3.60	70.0-130	25
1,1,2,2-Tetrachloroethane	85174-01	<0.0050	0.0386	0.0388	0.0164	0.0191	mg/Kg	EPA 8260B	6/21/13	42.5	49.1	14.4	70.0-130	25
1,1,2-Trichloroethane	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0228	mg/Kg	EPA 8260B	6/21/13	51.1	58.6	13.8	70.0-130	25
1,1-Dichloroethane	85174-01	<0.0050	0.0386	0.0388	0.0194	0.0206	mg/Kg	EPA 8260B	6/21/13	50.3	53.0	5.14	70.0-130	25
1,1-Dichloroethene	85174-01	<0.0050	0.0386	0.0388	0.0201	0.0205	mg/Kg	EPA 8260B	6/21/13	52.0	52.7	1.39	70.0-130	25
1,1-Dichloropropene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0204	mg/Kg	EPA 8260B	6/21/13	51.1	52.5	2.66	70.0-130	25
1,2,3-Trichlorobenzene	85174-01	<0.0050	0.0386	0.0388	0.0152	0.0184	mg/Kg	EPA 8260B	6/21/13	39.4	47.4	18.6	65.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2,3-Trichloropropane	85174-01	<0.0050	0.0386	0.0388	0.0201	0.0245	mg/Kg	EPA 8260B	6/21/13	52.0	63.1	19.2	70.0-130	25
1,2,4-Trichlorobenzene	85174-01	<0.0050	0.0386	0.0388	0.0158	0.0181	mg/Kg	EPA 8260B	6/21/13	40.9	46.6	13.0	70.0-130	25
1,2,4-Trimethylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0191	0.0206	mg/Kg	EPA 8260B	6/21/13	49.6	53.0	6.77	70.0-130	25
1,2-Dibromoethane	85174-01	<0.0050	0.0387	0.0389	0.0199	0.0236	mg/Kg	EPA 8260B	6/21/13	51.5	60.7	16.4	70.0-130	25
1,2-Dichlorobenzene	85174-01	<0.0050	0.0386	0.0388	0.0176	0.0194	mg/Kg	EPA 8260B	6/21/13	45.5	49.8	9.09	70.0-130	25
1,2-Dichloroethane	85174-01	<0.0050	0.0386	0.0388	0.0183	0.0210	mg/Kg	EPA 8260B	6/21/13	47.5	54.0	12.8	70.0-130	25
1,2-Dichloropropane	85174-01	<0.0050	0.0386	0.0388	0.0199	0.0217	mg/Kg	EPA 8260B	6/21/13	51.6	55.9	7.90	70.0-130	25
1,2-dibromo-3-chloropropane	85174-01	<0.0050	0.0386	0.0388	0.0204	0.0254	mg/Kg	EPA 8260B	6/21/13	53.0	65.5	21.1	70.0-130	25
1,3,5-Trimethylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0198	0.0212	mg/Kg	EPA 8260B	6/21/13	51.3	54.7	6.37	70.0-130	25
1,3-Dichlorobenzene	85174-01	<0.0050	0.0386	0.0388	0.0185	0.0202	mg/Kg	EPA 8260B	6/21/13	47.8	52.2	8.65	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,3-Dichloropropane														
	85174-01	<0.0050	0.0386	0.0388	0.0195	0.0226	mg/Kg	EPA 8260B	6/21/13	50.6	58.2	13.9	70.0-130	25
1,4-Dichlorobenzene														
	85174-01	<0.0050	0.0386	0.0388	0.0174	0.0188	mg/Kg	EPA 8260B	6/21/13	45.0	48.5	7.46	70.0-130	25
2+4-Chlorotoluene														
	85174-01	<0.0050	0.0772	0.0777	0.0374	0.0402	mg/Kg	EPA 8260B	6/21/13	48.4	51.8	6.69	70.0-130	25
2,2-Dichloropropane														
	85174-01	<0.0050	0.0386	0.0388	0.0181	0.0186	mg/Kg	EPA 8260B	6/21/13	46.9	48.0	2.35	70.0-130	25
Benzene														
	85174-01	<0.0050	0.0386	0.0388	0.0198	0.0209	mg/Kg	EPA 8260B	6/21/13	51.2	53.9	5.00	70.0-130	25
Bromobenzene														
	85174-01	<0.0050	0.0386	0.0388	0.0186	0.0205	mg/Kg	EPA 8260B	6/21/13	48.1	52.8	9.19	70.0-130	25
Bromochloromethane														
	85174-01	<0.0050	0.0386	0.0388	0.0203	0.0228	mg/Kg	EPA 8260B	6/21/13	52.7	58.8	10.9	70.0-130	25
Bromodichloromethane														
	85174-01	<0.0050	0.0386	0.0388	0.0196	0.0219	mg/Kg	EPA 8260B	6/21/13	50.7	56.5	10.7	70.0-130	25
Bromoform														
	85174-01	<0.0050	0.0386	0.0388	0.0205	0.0246	mg/Kg	EPA 8260B	6/21/13	53.2	63.4	17.6	70.0-140	25
Bromomethane														
	85174-01	<0.020	0.193	0.194	0.117	0.116	mg/Kg	EPA 8260B	6/21/13	60.8	59.9	1.57	55.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Carbon Tetrachloride	85174-01	<0.0050	0.0386	0.0388	0.0196	0.0203	mg/Kg	EPA 8260B	6/21/13	50.8	52.2	2.81	70.0-130	25
Chlorobenzene	85174-01	<0.0050	0.0386	0.0388	0.0187	0.0202	mg/Kg	EPA 8260B	6/21/13	48.5	52.0	6.84	70.0-130	25
Chloroethane	85174-01	<0.0050	0.0386	0.0388	0.0206	0.0214	mg/Kg	EPA 8260B	6/21/13	53.3	55.1	3.26	70.0-130	25
Chloroform	85174-01	<0.0050	0.0386	0.0388	0.0193	0.0206	mg/Kg	EPA 8260B	6/21/13	49.9	53.0	6.00	70.0-130	25
Chloromethane	85174-01	<0.0050	0.0386	0.0388	0.0189	0.0199	mg/Kg	EPA 8260B	6/21/13	49.1	51.2	4.24	60.0-130	25
Dibromochloromethane	85174-01	<0.0050	0.0386	0.0388	0.0198	0.0231	mg/Kg	EPA 8260B	6/21/13	51.3	59.4	14.6	70.0-130	25
Dibromomethane	85174-01	<0.0050	0.0386	0.0388	0.0205	0.0236	mg/Kg	EPA 8260B	6/21/13	53.0	60.7	13.6	70.0-130	25
Dichlorodifluoromethane	85174-01	<0.0050	0.0386	0.0388	0.0196	0.0199	mg/Kg	EPA 8260B	6/21/13	50.9	51.2	0.648	40.0-135	25
Ethylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0192	0.0203	mg/Kg	EPA 8260B	6/21/13	49.7	52.2	4.92	70.0-130	25
Hexachlorobutadiene	85174-01	<0.0050	0.0386	0.0388	0.0166	0.0178	mg/Kg	EPA 8260B	6/21/13	42.9	45.8	6.56	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Isopropyl benzene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0207	mg/Kg	EPA 8260B	6/21/13	50.9	53.2	4.46	70.0-130	25
Methylene Chloride	85174-01	<0.0050	0.0386	0.0388	0.0201	0.0218	mg/Kg	EPA 8260B	6/21/13	52.0	56.1	7.68	70.0-130	25
Naphthalene	85174-01	<0.0050	0.0386	0.0388	0.0166	0.0213	mg/Kg	EPA 8260B	6/21/13	43.1	54.8	24.0	70.0-130	25
O-Xylene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0210	mg/Kg	EPA 8260B	6/21/13	50.9	54.1	6.06	70.0-130	25
P + M Xylene	85174-01	<0.0050	0.0386	0.0388	0.0193	0.0203	mg/Kg	EPA 8260B	6/21/13	50.1	52.4	4.56	70.0-130	25
Styrene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0215	mg/Kg	EPA 8260B	6/21/13	51.0	55.3	8.03	70.0-130	25
Tetrachloroethene	85174-01	<0.0050	0.0386	0.0388	0.0200	0.0208	mg/Kg	EPA 8260B	6/21/13	51.8	53.7	3.56	70.0-130	25
Toluene	85174-01	<0.0050	0.0386	0.0388	0.0200	0.0214	mg/Kg	EPA 8260B	6/21/13	51.9	55.0	5.70	70.0-130	25
Trichloroethene	85174-01	<0.0050	0.0386	0.0388	0.0232	0.0251	mg/Kg	EPA 8260B	6/21/13	60.2	64.6	6.99	70.0-130	25
Trichlorofluoromethane	85174-01	<0.0050	0.0386	0.0388	0.0196	0.0198	mg/Kg	EPA 8260B	6/21/13	50.7	50.9	0.411	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Vinyl Chloride	85174-01	<0.0050	0.0386	0.0388	0.0198	0.0205	mg/Kg	EPA 8260B	6/21/13	51.2	52.8	2.94	70.0-130	25
c-1,3-Dichloropropene	85174-01	<0.0050	0.0386	0.0388	0.0195	0.0217	mg/Kg	EPA 8260B	6/21/13	50.6	55.9	10.1	70.0-130	25
cis-1,2-Dichloroethene	85174-01	<0.0050	0.0386	0.0388	0.0198	0.0216	mg/Kg	EPA 8260B	6/21/13	51.4	55.8	8.18	70.0-130	25
n-butylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0182	0.0188	mg/Kg	EPA 8260B	6/21/13	47.0	48.6	3.16	70.0-130	25
n-propylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0193	0.0204	mg/Kg	EPA 8260B	6/21/13	49.9	52.5	5.06	70.0-130	25
p-isopropyltoluene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0207	mg/Kg	EPA 8260B	6/21/13	51.0	53.4	4.62	70.0-130	25
sec-butylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0195	0.0206	mg/Kg	EPA 8260B	6/21/13	50.6	52.9	4.55	70.0-130	25
t-1,2-Dichloroethene	85174-01	<0.0050	0.0386	0.0388	0.0201	0.0209	mg/Kg	EPA 8260B	6/21/13	52.0	53.8	3.49	70.0-130	25
t-1,3-Dichloropropene	85174-01	<0.0050	0.0386	0.0388	0.0193	0.0220	mg/Kg	EPA 8260B	6/21/13	50.0	56.7	12.7	70.0-130	25
tert-butylbenzene	85174-01	<0.0050	0.0386	0.0388	0.0197	0.0208	mg/Kg	EPA 8260B	6/21/13	51.1	53.6	4.86	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **P+D 23rd Ave Partners**

Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Diisopropyl ether	85143-01	<0.0050	0.0392	0.0390	0.0385	0.0367	mg/Kg	EPA 8260B	6/17/13	98.2	94.2	4.13	70.0-130	25
Ethyl-tert-butyl ether	85143-01	<0.0050	0.0384	0.0381	0.0385	0.0362	mg/Kg	EPA 8260B	6/17/13	100	95.0	5.52	65.0-130	25
Methyl-t-butyl ether	85143-01	<0.0050	0.0386	0.0384	0.0392	0.0356	mg/Kg	EPA 8260B	6/17/13	101	92.7	8.90	60.0-130	25
Tert-Butanol	85143-01	<0.0050	0.197	0.196	0.184	0.181	mg/Kg	EPA 8260B	6/17/13	93.4	92.6	0.896	70.0-130	25
Tert-amyl-methyl ether	85143-01	<0.0050	0.0385	0.0383	0.0387	0.0358	mg/Kg	EPA 8260B	6/17/13	100	93.6	7.11	70.0-130	25
Diisopropyl ether	85143-01	<0.0050	0.0398	0.0400	0.0351	0.0348	mg/Kg	EPA 8260B	6/20/13	88.3	87.2	1.26	70.0-130	25
Ethyl-tert-butyl ether	85143-01	<0.0050	0.0390	0.0391	0.0353	0.0358	mg/Kg	EPA 8260B	6/20/13	90.7	91.4	0.797	65.0-130	25
Methyl-t-butyl ether	85143-01	<0.0050	0.0393	0.0394	0.0359	0.0375	mg/Kg	EPA 8260B	6/20/13	91.5	95.2	3.99	60.0-130	25
Tert-Butanol	85143-01	<0.0050	0.200	0.201	0.172	0.165	mg/Kg	EPA 8260B	6/20/13	85.8	82.3	4.19	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-amyl-methyl ether														
	85143-01	<0.0050	0.0391	0.0393	0.0357	0.0363	mg/Kg	EPA 8260B	6/20/13	91.3	92.3	1.09	70.0-130	25
Diisopropyl ether														
	85145-15	<0.0050	0.0396	0.0400	0.0328	0.0342	mg/Kg	EPA 8260B	6/19/13	82.9	85.6	3.27	70.0-130	25
Ethyl-tert-butyl ether														
	85145-15	<0.0050	0.0387	0.0391	0.0323	0.0349	mg/Kg	EPA 8260B	6/19/13	83.3	89.2	6.81	65.0-130	25
Methyl-t-butyl ether														
	85145-15	<0.0050	0.0390	0.0394	0.0313	0.0356	mg/Kg	EPA 8260B	6/19/13	80.3	90.2	11.6	60.0-130	25
Tert-Butanol														
	85145-15	<0.0050	0.199	0.201	0.173	0.164	mg/Kg	EPA 8260B	6/19/13	87.0	81.6	6.42	70.0-130	25
Tert-amyl-methyl ether														
	85145-15	<0.0050	0.0389	0.0393	0.0354	0.0370	mg/Kg	EPA 8260B	6/19/13	90.9	94.2	3.50	70.0-130	25
Diisopropyl ether														
	85174-01	<0.0050	0.0386	0.0388	0.0187	0.0203	mg/Kg	EPA 8260B	6/21/13	48.4	52.4	7.86	70.0-130	25
Ethyl-tert-butyl ether														
	85174-01	<0.0050	0.0378	0.0380	0.0185	0.0203	mg/Kg	EPA 8260B	6/21/13	48.9	53.6	9.05	65.0-130	25
Methyl-t-butyl ether														
	85174-01	<0.0050	0.0380	0.0383	0.0186	0.0210	mg/Kg	EPA 8260B	6/21/13	48.8	54.9	11.8	60.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	85174-01	<0.0050	0.194	0.195	0.0523	0.0702	mg/Kg	EPA 8260B	6/21/13	27.0	36.0	28.6	70.0-130	25
Tert-amyl-methyl ether	85174-01	<0.0050	0.0379	0.0382	0.0185	0.0211	mg/Kg	EPA 8260B	6/21/13	48.8	55.4	12.6	70.0-130	25
Mercury	85349-01	< 0.050	0.100	0.100	0.0990	0.106	mg/Kg	EPA 7471A	7/9/13	94.4	101	6.70	75-125	20
Antimony	85348-01	< 0.75	45.9	45.9	10.0	9.46	mg/Kg	EPA 6010B	7/10/13	21.3	20.0	5.74	75-125	20
Arsenic	85348-01	1.9	45.9	45.9	40.0	40.2	mg/Kg	EPA 6010B	7/10/13	83.1	83.4	0.366	75-125	20
Barium	85348-01	150	45.9	45.9	202	212	mg/Kg	EPA 6010B	7/10/13	116	140	5.30	75-125	20
Beryllium	85348-01	< 0.25	45.9	45.9	40.5	38.3	mg/Kg	EPA 6010B	7/10/13	87.8	83.1	5.48	75-125	20
Cadmium	85348-01	< 0.50	45.9	45.9	42.4	41.6	mg/Kg	EPA 6010B	7/10/13	92.1	90.4	1.94	75-125	20
Chromium	85348-01	32	45.9	45.9	74.0	74.4	mg/Kg	EPA 6010B	7/10/13	90.7	91.5	0.495	75-125	20

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Cobalt	85348-01	6.0	45.9	45.9	46.4	46.0	mg/Kg	EPA 6010B	7/10/13	88.1	87.2	0.893	75-125	20
Copper	85348-01	20	45.9	45.9	60.1	63.5	mg/Kg	EPA 6010B	7/10/13	86.8	94.1	5.42	75-125	20
Lead	85348-01	6.0	45.9	45.9	43.9	43.1	mg/Kg	EPA 6010B	7/10/13	82.5	80.8	1.78	75-125	20
Molybdenum	85348-01	0.38	45.9	45.9	35.5	35.1	mg/Kg	EPA 6010B	7/10/13	76.6	75.7	1.17	75-125	20
Nickel	85348-01	26	45.9	45.9	65.8	70.2	mg/Kg	EPA 6010B	7/10/13	86.2	95.9	6.54	75-125	20
Selenium	85348-01	< 0.75	45.9	45.9	39.7	38.9	mg/Kg	EPA 6010B	7/10/13	86.0	84.3	2.02	75-125	20
Silver	85348-01	1.3	22.9	22.9	20.8	20.8	mg/Kg	EPA 6010B	7/10/13	85.1	85.0	0.132	75-125	20
Thallium	85348-01	< 0.75	45.9	45.9	36.6	35.5	mg/Kg	EPA 6010B	7/10/13	79.9	77.3	3.28	75-125	20
Vanadium	85348-01	45	45.9	45.9	85.6	91.9	mg/Kg	EPA 6010B	7/10/13	88.4	102	7.08	75-125	20
Zinc	85348-01	35	45.9	45.9	82.1	85.7	mg/Kg	EPA 6010B	7/10/13	102	110	4.32	75-125	20

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Mercury	0.100	mg/Kg	EPA 7471A	7/9/13	102	85-115
Antimony	50.0	mg/Kg	EPA 6010B	7/10/13	96.3	85-115
Arsenic	50.0	mg/Kg	EPA 6010B	7/10/13	93.9	85-115
Barium	50.0	mg/Kg	EPA 6010B	7/10/13	97.8	85-115
Beryllium	50.0	mg/Kg	EPA 6010B	7/10/13	94.3	85-115
Cadmium	50.0	mg/Kg	EPA 6010B	7/10/13	95.1	85-115
Chromium	50.0	mg/Kg	EPA 6010B	7/10/13	96.4	85-115
Cobalt	50.0	mg/Kg	EPA 6010B	7/10/13	96.8	85-115
Copper	50.0	mg/Kg	EPA 6010B	7/10/13	95.0	85-115
Lead	50.0	mg/Kg	EPA 6010B	7/10/13	93.9	85-115
Molybdenum	50.0	mg/Kg	EPA 6010B	7/10/13	98.4	85-115
Nickel	50.0	mg/Kg	EPA 6010B	7/10/13	95.2	85-115
Selenium	50.0	mg/Kg	EPA 6010B	7/10/13	95.2	85-115
Silver	25.0	mg/Kg	EPA 6010B	7/10/13	93.0	85-115
Thallium	50.0	mg/Kg	EPA 6010B	7/10/13	96.9	85-115
Vanadium	50.0	mg/Kg	EPA 6010B	7/10/13	90.4	85-115
Zinc	50.0	mg/Kg	EPA 6010B	7/10/13	97.2	85-115
TPH as Diesel	20.0	mg/Kg	M EPA 8015	6/19/13	77.0	70-130
1,1,1,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	94.0	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1,1-Trichloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	90.7	70.0-130
1,1,2,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	106	70.0-130
1,1,2-Trichloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	104	70.0-130
1,1-Dichloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	95.8	70.0-130
1,1-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/17/13	91.0	70.0-130
1,1-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/17/13	92.4	70.0-130
1,2,3-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	79.2	65.0-130
1,2,3-Trichloropropane	0.0394	mg/Kg	EPA 8260B	6/17/13	96.7	70.0-130
1,2,4-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	78.3	70.0-130
1,2,4-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	86.6	70.0-130
1,2-Dibromoethane	0.0394	mg/Kg	EPA 8260B	6/17/13	104	70.0-130
1,2-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	86.8	70.0-130
1,2-Dichloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	96.4	70.0-130
1,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/17/13	102	70.0-130
1,2-dibromo-3-chloropropane	0.0394	mg/Kg	EPA 8260B	6/17/13	98.2	70.0-130
1,3,5-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	88.9	70.0-130
1,3-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	84.7	70.0-130
1,3-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/17/13	101	70.0-130
1,4-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	84.4	70.0-130
2+4-Chlorotoluene	0.0787	mg/Kg	EPA 8260B	6/17/13	85.5	70.0-130
2,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/17/13	85.8	70.0-130
Benzene	0.0394	mg/Kg	EPA 8260B	6/17/13	95.4	70.0-130
Bromobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	87.8	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Bromochloromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	101	70.0-130
Bromodichloromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	102	70.0-130
Bromoform	0.0394	mg/Kg	EPA 8260B	6/17/13	99.9	70.0-140
Bromomethane	0.197	mg/Kg	EPA 8260B	6/17/13	97.3	55.0-130
Carbon Tetrachloride	0.0394	mg/Kg	EPA 8260B	6/17/13	90.0	70.0-130
Chlorobenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	88.4	70.0-130
Chloroethane	0.0394	mg/Kg	EPA 8260B	6/17/13	96.6	70.0-130
Chloroform	0.0394	mg/Kg	EPA 8260B	6/17/13	94.7	70.0-130
Chloromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	93.7	60.0-130
Dibromochloromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	102	70.0-130
Dibromomethane	0.0394	mg/Kg	EPA 8260B	6/17/13	101	70.0-130
Dichlorodifluoromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	81.7	40.0-135
Ethylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	89.1	70.0-130
Isopropyl benzene	0.0394	mg/Kg	EPA 8260B	6/17/13	88.7	70.0-130
Methylene Chloride	0.0394	mg/Kg	EPA 8260B	6/17/13	98.1	70.0-130
Naphthalene	0.0394	mg/Kg	EPA 8260B	6/17/13	86.3	70.0-130
O-Xylene	0.0394	mg/Kg	EPA 8260B	6/17/13	92.2	70.0-130
P + M Xylene	0.0394	mg/Kg	EPA 8260B	6/17/13	89.5	70.0-130
Styrene	0.0394	mg/Kg	EPA 8260B	6/17/13	95.0	70.0-130
Tetrachloroethene	0.0394	mg/Kg	EPA 8260B	6/17/13	88.6	70.0-130
Toluene	0.0394	mg/Kg	EPA 8260B	6/17/13	95.0	70.0-130
Trichloroethene	0.0394	mg/Kg	EPA 8260B	6/17/13	90.3	70.0-130
Trichlorofluoromethane	0.0394	mg/Kg	EPA 8260B	6/17/13	87.1	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Vinyl Chloride	0.0394	mg/Kg	EPA 8260B	6/17/13	89.7	70.0-130
c-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/17/13	101	70.0-130
cis-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/17/13	96.9	70.0-130
n-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	81.0	70.0-130
n-propylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	85.6	70.0-130
p-isopropyltoluene	0.0394	mg/Kg	EPA 8260B	6/17/13	84.2	70.0-130
sec-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	83.9	70.0-130
t-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/17/13	93.5	70.0-130
t-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/17/13	101	70.0-130
tert-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/17/13	85.2	70.0-130
Diisopropyl ether	0.0393	mg/Kg	EPA 8260B	6/17/13	100	70.0-130
Ethyl-tert-butyl ether	0.0385	mg/Kg	EPA 8260B	6/17/13	103	65.0-130
Methyl-t-butyl ether	0.0388	mg/Kg	EPA 8260B	6/17/13	104	60.0-130
Tert-Butanol	0.198	mg/Kg	EPA 8260B	6/17/13	91.2	70.0-130
Tert-amyl-methyl ether	0.0387	mg/Kg	EPA 8260B	6/17/13	104	70.0-130
Bromomethane	0.194	mg/Kg	EPA 8260B	6/18/13	96.0	55.0-130
Chloromethane	0.0389	mg/Kg	EPA 8260B	6/18/13	79.9	60.0-130
Hexachlorobutadiene	0.0396	mg/Kg	EPA 8260B	6/20/13	84.9	70.0-130
Diisopropyl ether	0.0396	mg/Kg	EPA 8260B	6/20/13	86.3	70.0-130
Ethyl-tert-butyl ether	0.0387	mg/Kg	EPA 8260B	6/20/13	88.2	65.0-130
Methyl-t-butyl ether	0.0390	mg/Kg	EPA 8260B	6/20/13	88.7	60.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	0.199	mg/Kg	EPA 8260B	6/20/13	84.1	70.0-130
Tert-amyl-methyl ether	0.0389	mg/Kg	EPA 8260B	6/20/13	89.1	70.0-130
1,1,1,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	102	70.0-130
1,1,1-Trichloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	99.8	70.0-130
1,1,2,2-Tetrachloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	103	70.0-130
1,1,2-Trichloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	100	70.0-130
1,1-Dichloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	92.4	70.0-130
1,1-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/19/13	86.8	70.0-130
1,1-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.3	70.0-130
1,2,3-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	86.5	65.0-130
1,2,3-Trichloropropane	0.0394	mg/Kg	EPA 8260B	6/19/13	104	70.0-130
1,2,4-Trichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	94.8	70.0-130
1,2,4-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	97.6	70.0-130
1,2-Dibromoethane	0.0395	mg/Kg	EPA 8260B	6/19/13	100	70.0-130
1,2-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	90.6	70.0-130
1,2-Dichloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	104	70.0-130
1,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/19/13	93.8	70.0-130
1,2-dibromo-3-chloropropane	0.0394	mg/Kg	EPA 8260B	6/19/13	101	70.0-130
1,3,5-Trimethylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	91.0	70.0-130
1,3-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	103	70.0-130
1,3-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/19/13	100	70.0-130
1,4-Dichlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	88.1	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
2+4-Chlorotoluene	0.0789	mg/Kg	EPA 8260B	6/19/13	91.0	70.0-130
2,2-Dichloropropane	0.0394	mg/Kg	EPA 8260B	6/19/13	99.6	70.0-130
Benzene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.9	70.0-130
Bromobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.3	70.0-130
Bromochloromethane	0.0394	mg/Kg	EPA 8260B	6/19/13	97.9	70.0-130
Bromodichloromethane	0.0394	mg/Kg	EPA 8260B	6/19/13	103	70.0-130
Bromoform	0.0394	mg/Kg	EPA 8260B	6/19/13	112	70.0-140
Carbon Tetrachloride	0.0394	mg/Kg	EPA 8260B	6/19/13	102	70.0-130
Chlorobenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	92.1	70.0-130
Chloroethane	0.0394	mg/Kg	EPA 8260B	6/19/13	85.0	70.0-130
Chloroform	0.0394	mg/Kg	EPA 8260B	6/19/13	98.7	70.0-130
Dibromochloromethane	0.0394	mg/Kg	EPA 8260B	6/19/13	107	70.0-130
Dibromomethane	0.0394	mg/Kg	EPA 8260B	6/19/13	104	70.0-130
Dichlorodifluoromethane	0.0394	mg/Kg	EPA 8260B	6/19/13	73.0	40.0-135
Ethylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	96.8	70.0-130
Hexachlorobutadiene	0.0394	mg/Kg	EPA 8260B	6/19/13	82.3	70.0-130
Isopropyl benzene	0.0394	mg/Kg	EPA 8260B	6/19/13	90.6	70.0-130
Methylene Chloride	0.0394	mg/Kg	EPA 8260B	6/19/13	92.5	70.0-130
Naphthalene	0.0394	mg/Kg	EPA 8260B	6/19/13	102	70.0-130
O-Xylene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.5	70.0-130
P + M Xylene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.3	70.0-130
Styrene	0.0394	mg/Kg	EPA 8260B	6/19/13	96.1	70.0-130
Tetrachloroethene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.9	70.0-130

QC Report : Laboratory Control Sample (LCS)

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	0.0394	mg/Kg	EPA 8260B	6/19/13	95.0	70.0-130
Trichloroethene	0.0394	mg/Kg	EPA 8260B	6/19/13	90.7	70.0-130
Trichlorofluoromethane	0.0394	mg/Kg	EPA 8260B	6/19/13	90.8	70.0-130
Vinyl Chloride	0.0394	mg/Kg	EPA 8260B	6/19/13	82.9	70.0-130
c-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/19/13	99.5	70.0-130
cis-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/19/13	93.8	70.0-130
n-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	84.4	70.0-130
n-propylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	89.8	70.0-130
p-isopropyltoluene	0.0394	mg/Kg	EPA 8260B	6/19/13	99.7	70.0-130
sec-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	98.1	70.0-130
t-1,2-Dichloroethene	0.0394	mg/Kg	EPA 8260B	6/19/13	91.9	70.0-130
t-1,3-Dichloropropene	0.0394	mg/Kg	EPA 8260B	6/19/13	103	70.0-130
tert-butylbenzene	0.0394	mg/Kg	EPA 8260B	6/19/13	95.1	70.0-130
Diisopropyl ether	0.0394	mg/Kg	EPA 8260B	6/19/13	87.2	70.0-130
Ethyl-tert-butyl ether	0.0386	mg/Kg	EPA 8260B	6/19/13	92.0	65.0-130
Methyl-t-butyl ether	0.0389	mg/Kg	EPA 8260B	6/19/13	91.5	60.0-130
Tert-Butanol	0.198	mg/Kg	EPA 8260B	6/19/13	89.2	70.0-130
Tert-amyl-methyl ether	0.0388	mg/Kg	EPA 8260B	6/19/13	98.1	70.0-130
Hexachlorobutadiene	0.0400	mg/Kg	EPA 8260B	6/20/13	92.8	70.0-130
1,1,1,2-Tetrachloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	94.3	70.0-130
1,1,1-Trichloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	85.6	70.0-130

QC Report : Laboratory Control Sample (LCS)

Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1,2,2-Tetrachloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	94.1	70.0-130
1,1,2-Trichloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	93.1	70.0-130
1,1-Dichloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	87.4	70.0-130
1,1-Dichloroethene	0.0387	mg/Kg	EPA 8260B	6/21/13	86.2	70.0-130
1,1-Dichloropropene	0.0387	mg/Kg	EPA 8260B	6/21/13	85.8	70.0-130
1,2,3-Trichlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	84.8	65.0-130
1,2,3-Trichloropropane	0.0387	mg/Kg	EPA 8260B	6/21/13	86.9	70.0-130
1,2,4-Trichlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	81.7	70.0-130
1,2,4-Trimethylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.6	70.0-130
1,2-Dibromoethane	0.0388	mg/Kg	EPA 8260B	6/21/13	91.2	70.0-130
1,2-Dichlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	86.1	70.0-130
1,2-Dichloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	85.1	70.0-130
1,2-Dichloropropane	0.0387	mg/Kg	EPA 8260B	6/21/13	93.3	70.0-130
1,2-dibromo-3-chloropropane	0.0387	mg/Kg	EPA 8260B	6/21/13	83.5	70.0-130
1,3,5-Trimethylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	91.6	70.0-130
1,3-Dichlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	86.8	70.0-130
1,3-Dichloropropane	0.0387	mg/Kg	EPA 8260B	6/21/13	90.7	70.0-130
1,4-Dichlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	85.5	70.0-130
2+4-Chlorotoluene	0.0774	mg/Kg	EPA 8260B	6/21/13	87.8	70.0-130
2,2-Dichloropropane	0.0387	mg/Kg	EPA 8260B	6/21/13	82.7	70.0-130
Benzene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.4	70.0-130
Bromobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	88.8	70.0-130
Bromochloromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	94.8	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Bromodichloromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	94.5	70.0-130
Bromoform	0.0387	mg/Kg	EPA 8260B	6/21/13	94.2	70.0-140
Bromomethane	0.193	mg/Kg	EPA 8260B	6/21/13	93.0	55.0-130
Carbon Tetrachloride	0.0387	mg/Kg	EPA 8260B	6/21/13	86.3	70.0-130
Chlorobenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	88.5	70.0-130
Chloroethane	0.0387	mg/Kg	EPA 8260B	6/21/13	89.3	70.0-130
Chloroform	0.0387	mg/Kg	EPA 8260B	6/21/13	88.3	70.0-130
Chloromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	78.9	60.0-130
Dibromochloromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	94.4	70.0-130
Dibromomethane	0.0387	mg/Kg	EPA 8260B	6/21/13	93.0	70.0-130
Dichlorodifluoromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	82.8	40.0-135
Ethylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.0	70.0-130
Hexachlorobutadiene	0.0387	mg/Kg	EPA 8260B	6/21/13	79.5	70.0-130
Isopropyl benzene	0.0387	mg/Kg	EPA 8260B	6/21/13	90.7	70.0-130
Methylene Chloride	0.0387	mg/Kg	EPA 8260B	6/21/13	91.1	70.0-130
Naphthalene	0.0387	mg/Kg	EPA 8260B	6/21/13	82.5	70.0-130
O-Xylene	0.0387	mg/Kg	EPA 8260B	6/21/13	93.2	70.0-130
P + M Xylene	0.0387	mg/Kg	EPA 8260B	6/21/13	90.2	70.0-130
Styrene	0.0387	mg/Kg	EPA 8260B	6/21/13	95.6	70.0-130
Tetrachloroethene	0.0387	mg/Kg	EPA 8260B	6/21/13	88.4	70.0-130
Toluene	0.0387	mg/Kg	EPA 8260B	6/21/13	91.2	70.0-130
Trichloroethene	0.0387	mg/Kg	EPA 8260B	6/21/13	88.2	70.0-130
Trichlorofluoromethane	0.0387	mg/Kg	EPA 8260B	6/21/13	82.5	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **P+D 23rd Ave Partners**Project Number : **CB018H**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Vinyl Chloride	0.0387	mg/Kg	EPA 8260B	6/21/13	83.3	70.0-130
c-1,3-Dichloropropene	0.0387	mg/Kg	EPA 8260B	6/21/13	94.0	70.0-130
cis-1,2-Dichloroethene	0.0387	mg/Kg	EPA 8260B	6/21/13	92.0	70.0-130
n-butylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	84.8	70.0-130
n-propylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.8	70.0-130
p-isopropyltoluene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.5	70.0-130
sec-butylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	87.9	70.0-130
t-1,2-Dichloroethene	0.0387	mg/Kg	EPA 8260B	6/21/13	88.3	70.0-130
t-1,3-Dichloropropene	0.0387	mg/Kg	EPA 8260B	6/21/13	93.1	70.0-130
tert-butylbenzene	0.0387	mg/Kg	EPA 8260B	6/21/13	89.0	70.0-130
Diisopropyl ether	0.0386	mg/Kg	EPA 8260B	6/21/13	90.2	70.0-130
Ethyl-tert-butyl ether	0.0378	mg/Kg	EPA 8260B	6/21/13	91.4	65.0-130
Methyl-t-butyl ether	0.0381	mg/Kg	EPA 8260B	6/21/13	87.8	60.0-130
Tert-Butanol	0.194	mg/Kg	EPA 8260B	6/21/13	85.7	70.0-130
Tert-amyl-methyl ether	0.0380	mg/Kg	EPA 8260B	6/21/13	92.2	70.0-130



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85145

SIS/MW-2
 Page 1 of 3

Project Contact (Hardcopy or PDF To): James Jacobs
 California EDF Report? Yes No
 Company / Address: Clearwater Group / 229 Tehoma St / Richmond CA
 Sampling Company Log Code: CWGO
 Phone Number: 510-307-9943 94801
 Global ID: TO600177455
 Fax Number: 510-232-2823
 EDF Deliverable To (Email Address): gfis@clearwatergroup.com
 Project #: CB018H P.O. #: NA
 Bill to: clearwater group
 Project Name: P+D 23rd Ave Partners
 Sampler Print Name: James Jacobs
 Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Sample Designation	Date	Time	Container					Preservative			Matrix			MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EIOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	TAT				
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air																					
S15-24.5'	6/14/13	845	X	/											X	X	X			X	X													<input type="checkbox"/> 12 hr
S15-8.0'	"	825	X												X	X	X			X	X													<input type="checkbox"/> 24 hr
S15-10.0'	"	830	X												X	X	X			X	X													<input type="checkbox"/> 48 hr
S15-15.0'	"	835	X												X	X	X			X	X													<input type="checkbox"/> 72 hr
S15-17.0'	"	837	X												X	X	X			X	X													<input checked="" type="checkbox"/> 1 wk
S15-19.0'	"	840	X												X	X	X			X	X													

PLEASE CIRCLE METHOD

For Lab Use Only

Relinquished by: [Signature] Date: 6/14/13 Time: 5pm Received by: Quinn Jacobs
 Relinquished by: Quinn Jacobs Date: 6/16/13 Time: 10:30 Received by: _____
 Relinquished by: _____ Date: 6/16/13 Time: 10:30 Received by Laboratory: Larry E. J...

Remarks: S15-8.0', 10.0' have noticeable odor

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

10100000



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85145

SIG / MW-3
 Page 2 of 3

Project Contact (Hardcopy or PDF To): **Javier Jacobs**
 Company / Address: **Clearwater Group / 229 Tenning Ave Pt Richmond CA 94801**
 Phone Number: **510-307-9943**
 Fax Number: **510-232-2823**
 Project #: **CB018H** P.O. #: _____
 Project Name: **Pt D 23rd Ave Partners**
 California EDF Report? Yes No
 Sampling Company Log Code: **CWGO**
 Global ID: **T0600177455**
 EDF Deliverable To (Email Address): **gfisco@clearwatergroup.com**
 Bill to: **Clearwater Group**
 Sampler Print Name: **James A Jacobs**
 Sampler Signature: *[Signature]*

Chain-of-Custody Record and Analysis Request

Sample Designation	Date	Time	Container				Preservative			Matrix			MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	TAT		
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil																		Air	
S16-10' grab	6/14/13	1050	X						X				X	X	X				X	X											07
S16-15' grab	6/14/13	1055	X						X				X	X	X				X	X											08
S16-17' grab	6/14/13	1100	X						X				X	X	X				X	X											09
S16-20' grab	6/14/13	1105	X						X				X	X	X				X	X											10
S16-25' grab	6/14/13	1110	X						X				X	X	X				X	X											11
S16-7' grab hand auger	6/13/13	1330	X						X				X	X	X				X	X											12

Analysis Request																	TAT
PLEASE CIRCLE METHOD																	<input type="checkbox"/> 12 hr
																	<input type="checkbox"/> 24 hr
																	<input type="checkbox"/> 48 hr
																	<input type="checkbox"/> 72 hr
																	<input checked="" type="checkbox"/> 1 wk

Relinquished by: *[Signature]* Date: **6/14/13** Time: **5pm** Received by: **James Jacobs**
 Relinquished by: **James Jacobs** Date: **6/16/13** Time: **10:30** Received by: _____
 Relinquished by: _____ Date: **6/16/13** Time: **10:30** Received by Laboratory: **for Kiff Analytical**
[Signature] **Tracy Turpin**

Remarks: _____

For Lab Use Only: Sample Receipt					
Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85145

S17 / MW-1
 Page 3 of 3

Project Contact (Hardcopy or PDF To): James Jacobs
 California EDF Report? Yes No
 Company / Address: Clearwater Group / 229 Tepley Blvd / Pittsburg, CA 94501
 Sampling Company Log Code: CW50
 Phone Number: 510-307-9943
 Global ID: T0600177455
 Fax Number: 510-232-2823
 EDF Deliverable To (Email Address): qfisca@clearwatergroup.com
 Project #: CB18H P.O. #: NA
 Bill to: Clearwater Group
 Project Name: V+D 23rd Ave Partners
 Sampler Print Name: James Jacobs
 Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EIOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	TAT				
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil																		Air			
S17-7.0'	6/14/13	1305	X						X		X			X	X	X			X	X													13
S17-10.0'		1310	X						X		X			X	X	X			X	X													14
S17-17.0'		1320	X						X		X			X	X	X			X	X													15
S17-21.0'		1330	X						X		X			X	X	X			X	X													16
S17-24.5'		1345	X						X		X			X	X	X			X	X													17

Analysis Request															TAT																			
PLEASE CIRCLE METHOD																																		
																																		<input type="checkbox"/>
																																		<input type="checkbox"/>
																																		<input type="checkbox"/>
																																		<input type="checkbox"/>
																																		<input checked="" type="checkbox"/>
																																		<input type="checkbox"/>

Relinquished by: [Signature] Date: 6/14/13 Time: 5pm Received by: Quinn Jacobs
 Relinquished by: Quinn Jacobs Date: 6/16/13 Time: 10:37 Received by: _____
 Relinquished by: _____ Date: 6/16/13 Time: 6:37 Received by Laboratory: For K. H. Analytical
[Signature] [Signature] [Signature]

Remarks:

For Lab Use Only: Sample Receipt					
Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No



Subcontract Laboratory Report Attachments



CALSCIENCE

WORK ORDER NUMBER: 13-07-0966

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kiff Analytical

Client Project Name: P&D 23rd Ave. Partners

Attention: Joel Kiff
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Amanda Porter

Approved for release on 07/19/2013 by:
Amanda Porter
Project Manager

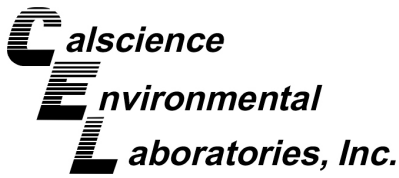
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.





Contents

Client Project Name: P&D 23rd Ave. Partners
Work Order Number: 13-07-0966

1	Work Order Narrative.	3
2	Client Sample Data.	4
	2.1 EPA 6010B STLC ICP Metals (Aqueous).	4
3	Quality Control Sample Data.	5
	3.1 MS/MSD.	5
	3.2 LCS/LCSD.	6
4	Sample Analysis Summary.	7
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Work Order Narrative

Work Order: 13-07-0966

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Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/16/13. They were assigned to Work Order 13-07-0966.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with an immediate holding time (HT \leq 15 minutes --40CFR-136.3 Table II footnote 4), is considered a "field" test and reported samples results are not flagged unless the analysis is performed beyond 24 hours of the time of collection.

Quality Control:

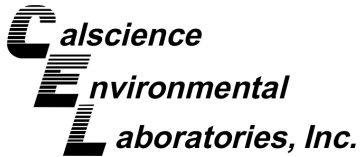
All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 07/16/13
Work Order: 13-07-0966
Preparation: T22.11.5. All
Method: EPA 6010B
Units: mg/L

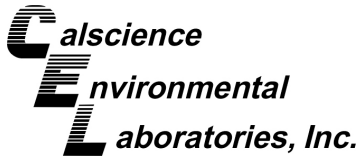
Project: P&D 23rd Ave. Partners

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S15 COMP	13-07-0966-1-A	06/14/13 00:00	Soil	ICP 7300	07/16/13	07/18/13 17:26	130718LA1
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Chromium		1.06		0.100		1	
S16 COMP	13-07-0966-2-A	06/14/13 00:00	Soil	ICP 7300	07/16/13	07/18/13 17:27	130718LA1
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Chromium		0.188		0.100		1	
S17 COMP	13-07-0966-3-A	06/14/13 00:00	Soil	ICP 7300	07/16/13	07/18/13 17:32	130718LA1
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Chromium		0.220		0.100		1	
Method Blank	097-05-006-6817	N/A	Aqueous	ICP 7300	07/16/13	07/18/13 17:00	130718LA1
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Chromium		ND		0.100		1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Quality Control - Spike/Spike Duplicate

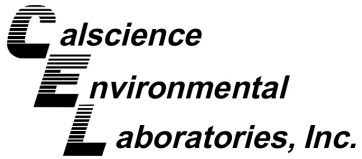
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 07/16/13
Work Order: 13-07-0966
Preparation: T22.11.5. All
Method: EPA 6010B

Project: P&D 23rd Ave. Partners

Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number					
13-07-1091-1	Aqueous	ICP 7300	07/18/13	07/18/13 17:05	130718SA1					
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Chromium	ND	5.000	4.817	96	4.605	92	75-125	5	0-20	



Quality Control - LCS

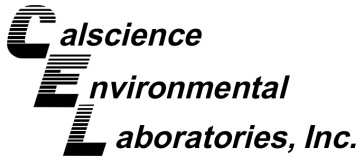
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Date Received: 07/16/13
Work Order: 13-07-0966
Preparation: T22.11.5. All
Method: EPA 6010B

Project: P&D 23rd Ave. Partners

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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number	
097-05-006-6817	Aqueous	ICP 7300	07/18/13 17:02	130718LA1	
<u>Parameter</u>	<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Chromium	5.000	4.891	98	80-120	



Sample Analysis Summary Report

Work Order: 13-07-0966

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	T22.11.5. All	469	ICP 7300	1


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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 13-07-0966

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	For any analysis identified as a "field" test with a holding time (HT) \leq 15 minutes where the sample is received outside of HT, Calscience will adhere to its internal HT of 24 hours. In cases where sample analysis does not meet Calscience's internal HT, results will be appropriately qualified.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



2795 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

13-07-0966

COC No. **85145** Page 1 of 1

Project Contact (Hardcopy or PDF to): Jennifer Worsley	EDF Report? YES	Chain-of-Custody Record and Analysis Request
--	------------------------	---

Company/Address: Kiff Analytical	Recommended but not mandatory to complete this section:		
	Sampling Company Log Code: CWGO		Analysis Request

Phone No.: 530-297-4800	FAX No.: 530-297-4808	Global ID: T0600177455			
Project Number: CB018H	P.O. No.: 85145	Deliverables to (Email Address): inbox@kiffanalytical.com			

Project Name: P+D 23rd Ave Partners	Project Address:	Container / Preservative								Matrix				8 Oz. Glass None	Soil	ICP 6010 WET SUB (Cr)													Due Date July 25, 2013	For Lab Use Only			
		Sampling																															
Sample Designation	Date	Time																															
S15 COMP	06/14/13		1										X			X															X		1
S16 COMP	06/14/13		1										X			X														X		2	
S17 COMP	06/14/13		1										X			X													X		3		

Relinquished by: <i>[Signature]</i>	Date 07/15/13	Time 1700	Received by:	Remarks: Bill to: Accounts Payable
Relinquished by:	Date	Time	Received by:	
Relinquished by: (CONTRAC)	Date 7/16/13	Time 09:15	Received by Laboratory: <i>[Signature]</i>	



2795 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

COC No. **85145** Page 1 of 1

Project Contact (Hardcopy or PDF to): Jennifer Worsley	EDF Report? YES	Chain-of-Custody Record and Analysis Request
--	-----------------	---

Company/Address: Kiff Analytical		Recommended but not mandatory to complete this section:													Analysis Request		Due Date					
Phone No.: 530-297-4800		FAX No.: 530-297-4808		Sampling Company Log Code: -CWGO													July 18, 2013		For Lab Use Only			
Project Number: CB018H		P.O. No.: 85145		Global ID: T0600177455																		
Project Name: P+D 23rd Ave Partners				Container / Preservative						Matrix							ICP 6010 WET SUB (Cr)					
Project Address:		Sampling																				
Sample Designation		Date		Time																		
		Date		Time																		
S15 COMP		06/14/13																				
S16 COMP		06/14/13																				
S17 COMP		06/14/13																				

Relinquished by:	Date	Time	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by Laboratory:	



800.334.5000
ontrac.com



D10010595904719

0966

Date Printed 7/15/2013

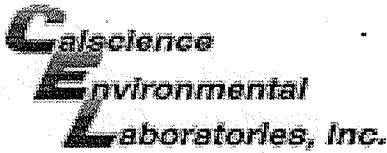
Tracking#D10010595904719

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95618

Sent By: SAMPLE RECEIVINGX125
Phone#: (530)297-4800
wgt(lbs): 35
Reference: SUB 85145
Reference 2:

<p><i>Ship To Company:</i> CALSCIENCE ENVIRONMENTAL 7440 LINCOLN WAY GARDEN GROVE, CA 92841 RECEIVING (714)895-5494</p>	<p><i>Service:</i> S <i>Sort Code:</i> ORG <i>Special Services:</i> Signature Required</p>
---	---

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WORK ORDER #: 13-07-0966

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KIFF

DATE: 07/16/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2°C (CF) = 2.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Initial: PS

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: PS

Sample _____ No (Not Intact) Not Present Initial: PS

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

250PB 250PB_n 125PB 125PB_z 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Canister **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** PS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** PS

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{na}: ZnAc₂+NaOH f: Filtered **Scanned by:** PS

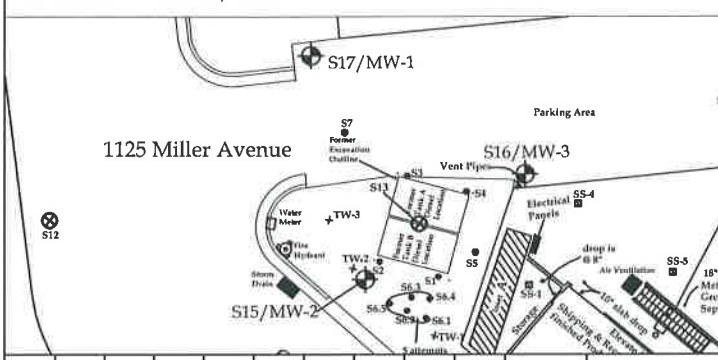
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ATTACHMENT G

LOCATION OF BORING/WELL:

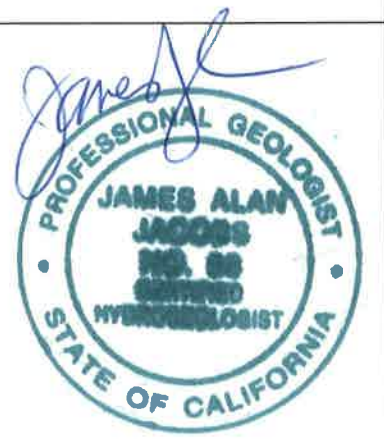
PROJECT:	1125 Miller Avenue Oakland, California	BORING NO.:	S17/MW-1
JOB NO.:	CB018H	TOTAL DEPTH:	25.0'
PROJ. MGR.:	J. JACOBS	LOGGED BY:	J. JACOBS, PG
		EDITED BY:	G. FISCO
DRILLING CONTRACTOR: GREGG DRILLING AND TESTING, INC.			
DRILL RIG TYPE: MARL RHINO M5T			
DRILLER'S NAME: LUIS MENJIVER/JESSE PATTISON			
SAMPLING METHODS: DIRECT PUSH/CONTINUOUS CORE			

STARTED TIME:	1:00 PM	DATE:	06/14/2013
COMPLETED TIME:	1:47 PM	DATE:	06/14/2013
BORING DEPTH:	25.0'	LEGEND	
CASING DEPTH:	24.0'	cc	Continuous Core Sleeve
WATER DEPTH:	21.0'	grab	Brass Tube
TIME:	1:50 PM	N	No Odor
DATE:	06/14/2013	F	Faint Odor
		M	Moderate Odor
		S	Strong Odor
LATITUDE: 37.7807930		LONGITUDE: -122.2368373	
TOP OF CASING ELEVATION: 21.42' AMSL		DATUM: NAVD 88	
CONDITIONS: SUNNY, 80° F			

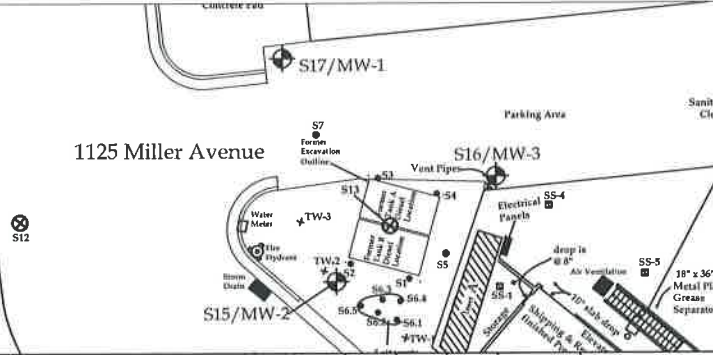


WELL CONSTRUCTION	SAMPLE DEPTH	SAMPLER TYPE	ODOR	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	FIRST WATER	PID	DEPTH (FEET)	GRAPHIC LOG
										1	<p>NA</p> <p>Total Depth of Soil Boring - 25 feet below ground surface (bgs) No water encountered in well at 1:45 PM. After wood plug is broken out, first water noted at 21.0' bgs at 1:50 PM.</p> <p><u>Well Completion:</u> 0.0' to 7.0' bgs - Neat Cement Grout 7.0' to 8.0' bgs - Hydrated Bentonite Chips 8.0' to 25.0' bgs - Filter Pack - 2/12 Sand 9.0' to 24.0' bgs - 0.02" Schedule 40 PVC Screen</p> <p>Clay (CL) Dark brown, moist, very stiff, trace sand grains, no odor.</p> <p>Clay (CL) Medium brown, moist, very stiff, occasional sand grains, no odor.</p> <p>Clay (CL) Yellow-medium brown, moist, very stiff, occasional sand grains, trace pebbles, no odor.</p> <p>Clay (CL) Yellow-brown, moist, very stiff, no odor.</p> <p>Sandy Clayey Gravel (GM) Dark brown, loose, moist.</p> <p>Silty Clay (CL) Medium brown, moist, occasional sand grains, no odor.</p> <p>Silty Gravel (GM) Yellowish-brown, loose, very moist, no odor.</p> <p>Silty Gravel (GM) Yellowish-brown, loose, very moist, occasional pebble, no odor.</p> <p>Silty Clay (CL) Light olive brown, moist, stiff, no odor.</p>
										2	
										3	
										4	
										5	
										6	
				↑	36	good			1.1	7	
	cc	N		36						8	
				↓						9	
				↑						10	
	cc	N				good				11	
				48	46	good				12	
				↓						13	
		N		↑						14	
				48	48					15	
		N		↓						16	
				↑						17	
	cc	N		↑					6.6	18	
				48	48					19	
		N		↓						20	
				48	48					21	
	cc	N		↑					10.1	22	
				↓						23	
		N		48	48	good				24	
	cc			↓						25	
PID Background = 0.3										26	

Total Depth 25.0 feet below ground surface



LOCATION OF BORING/WELL:



PROJECT:	1125 Miller Avenue Oakland, California	BORING NO.:	S15/MW-2
JOB NO.:	CB018H	TOTAL DEPTH:	25.0'
PROJ. MGR.:	J. JACOBS	LOGGED BY:	J. JACOBS, PG
		EDITED BY:	G. FISCO

DRILLING CONTRACTOR: GREGG DRILLING AND TESTING, INC.
 DRILL RIG TYPE: MARL RHINO M5T
 DRILLER'S NAME: LUIS MENJIVER/JESSE PATTISON
 SAMPLING METHODS: DIRECT PUSH/CONTINUOUS CORE

STARTED TIME:	1:00 PM	DATE:	06/14/2013
COMPLETED TIME:	1:45 PM	DATE:	06/14/2013

WELL CONSTRUCTION	SAMPLE DEPTH	SAMPLER TYPE	ODOR	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	FIRST WATER	PID	DEPTH (FEET)	GRAPHIC LOG
									NA	1	
									NA	2	
			F	48	36	fair			15.4	6	
	cc	F							84.3	8	
		F							9.7	9	
	cc									10	
		F		48	48	good			10.9	11	
		M							65.2	13	
				48	48	good				14	
	cc	S							154	15	
	cc	M							83.4	17	
				48	48	good				18	
	cc	M							70.2	19	
		F							2.6	21	
				48	42	fair				22	
		F							2.8	23	
	cc	F							0.7	24	
										25	
										26	

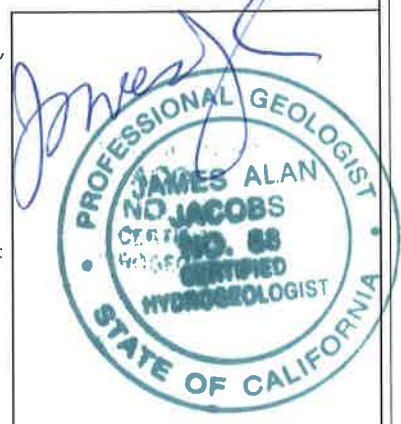
BORING DEPTH	25.0'	LEGEND
CASING DEPTH	24.0'	cc Continuous Core Sleeve
WATER DEPTH	20'-21'	grab Brass Tube
TIME:	1:47 PM	N No Odor
DATE:	06/14/2013	F Faint Odor
		M Moderate Odor
		S Strong Odor
LATITUDE: 37.7806835		LONGITUDE: -122.2368016
TOP OF CASING ELEVATION: 21.57' AMSL		DATUM: NAVD 88
CONDITIONS: SUNNY, 80° F		

Air Knife on 06/13/2013 by Gregg Drilling due to anticipated subsurface pipelines.
 Silty Sand (SM) Dark yellow brown (fill), dry to moist, no PID readings.

Total Depth of Soil Boring - 25 feet below ground surface (bgs)
 First water encountered in well at 20'-21' bgs at 1:47 PM.

Well Completion:
 0.0' to 7.0' bgs - Neat Cement Grout
 7.0' to 8.0' bgs - Hydrated Bentonite Chips
 8.0' to 25.0' bgs - Filter Pack - 2/12 Sand
 9.0' to 24.0' bgs - 0.02" Schedule 40 PVC Screen

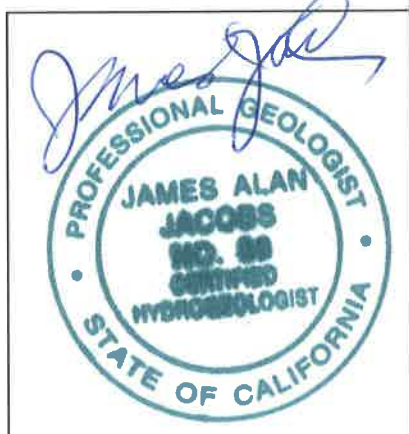
Silty Clay (CL)
 Dark gray, moist, medium stiff, occasional pebble, faint odor.
 Silty Clay (CL)
 Dark brown, moist, stiff, faint odor.
 Gravelly Clay (CL)
 Dark brown, loose, slight odor.
 Clay (CL)
 Medium brown, moist, faint hydrocarbon odor.
 Clay (CL)
 Olive gray, moist, stiff, occasional pebble, faint odor at 11'.
 Clay (CL)
 Olive gray, moist, stiff, occasional sand grain, trace pebbles, faint hydrocarbon odor.
 Clay (CL)
 Dark brown, moist, moderate hydrocarbon odor.
 Sandy Clayey Gravel (GC)
 Black-brown oily stain on outside of core @ 14.8', loose, moist from 14.5' to 15.5', strong hydrocarbon odor.
 Silty Sand (SM)
 Gray to brown, moist, loose, sand grains, occasional pebbles, moderate hydrocarbon odor.
 Silty Gravel with sand (GM)
 Yellowish brown, very moist, loose, moderate hydrocarbon odor.
 Silty Gravel (GM)
 Dark brown, wet, black to brown oil staining outside of sample tube (not in core sample).
 Sandy Gravel (GM)
 Light yellow-brown, wet, loose sand with occasional pebbles, faint hydrocarbon odor, oil staining on core tubing not inside core.
 Silty Clay (CL)
 Light olive brown, wet, stiff, faint hydrocarbon odor, oil staining on outside of tube.



Black to dark brown oil staining on outside of acetate soil tube liner. The cut soil samples did not exhibit oil staining in core pieces.

	PROJECT:	1125 Miller Avenue Oakland, California	BORING NO.:	S16/MW-3
	JOB NO.:	CB018H	TOTAL DEPTH:	25.0'
	PROJ. MGR.:	J. JACOBS	LOGGED BY:	J. JACOBS, PG
	DRILLING CONTRACTOR:	GREGG DRILLING AND TESTING, INC.		
	DRILL RIG TYPE:	MARL RHINO M5T		
	DRILLER'S NAME:	LUIS MENJIVER/JESSE PATTISON		
	SAMPLING METHODS:	SOIL COLLECTED FROM AUGERS; INADEQUATE FOR CONTINUOUS CORE TOOLING.		
	STARTED TIME:	10:31 AM	DATE:	06/14/2013
	COMPLETED TIME:	11:15 AM	DATE:	06/14/2013

WELL CONSTRUCTION	SAMPLE DEPTH	SAMPLER TYPE	ODOR	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min/ft)	FIRST WATER	PID	DEPTH (FEET)	GRAPHIC LOG	
										1	<p>NA</p> <p>Total Depth of Soil Boring - 25 feet below ground surface (bgs) First water encountered in well at 17.0' bgs at 12:00 PM.</p> <p><u>Well Completion:</u> 0.0' to 7.0' bgs - Neat Cement Grout 7.0' to 8.0' bgs - Hydrated Bentonite Chips 8.0' to 25.0' bgs - Filter Pack - 2/12 Sand 9.0' to 24.0' bgs - 0.02" Schedule 40 PVC Screen</p> <p>Sample S16-7' grab hand auger</p> <p>Clay (CL) Light brown, moist, stiff, no odor.</p> <p>Hand Auger 06/13/2013 from 5' to 10' bgs; stop 06/13/2013; 1:15 PM</p> <p>Clay (CL) Light brown, moist, stiff, occasional sand grains, no odor.</p> <p>Clay (CL) Light brown, very moist, stiff, occasional sand grains, no odor.</p> <p>Clay (CL) Light brown, wet, stiff, occasional sand grains, no odor.</p> <p>Clay (CL) Light to medium brown, wet, stiff, occasional sand grains, no odor.</p> <p>Silty Gravel (GM) Yellowish brown, wet, with sand grains, no odor.</p>	
		grab	N						0.0	7		
		grab							0.6	10		
			N							12		
		grab	N						0.5	15		
										16		
		grab	N						0.5	17		
										18		
		grab	N						0.0	20		
										21		
										22		
										23		
		grab	N						0.5	24		
										25		
PID Background = 0.2										26		Total Depth 25.0 feet below ground surface



ATTACHMENT H

PROJECT _____ EVENT _____ SAMPLER _____ DATE 6-20-13

ACTION	TIME	PUMP RATE	DTW
		(gpm)	
Start Pump / Begin			
Bailer	11:20	-	DR Draw
PUMP	12:00	1 gpm	
Stop	1:00 PM		
Sampled			
Final IWL			

Well type MW-1
(MW, EW, PZ, etc.)

Diameter 2"

3" gal/ft. casing

Intake depth _____

SWL 9-9
(if above screen) =TOP

SWL _____
(if in screen) =BOP

Measured TD 24.6' =TD
(as built)

PURGE CALCULATION

0.165 gal/ft. * 14.9' ft. = 2.43 gals. X ¹⁰ = 24.3 gals.

SWL to TD one volume purge volume - 3 casings

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:

Bailers PUMP

Geoprobe 7730

Actual gallons purged 45

Actual volumes purged 20

Well Yield ⊕ _____

Gallons Purged *	Temp °C	pH/EC (us / cm)	pH	Turbidity (NTU)	Other
1. 7'	19.3	667	7.8	71.7	
2. 5'	20.7	700	7.3	69.6	
3. 5'	21.6	601	7.12	73.25	
4. 10 ^{9L}	19.7	476	6.85	56.8	
5. 5'	19.5	549	6.81	24.2	
6. 5'	20.6	449	7.04	90.2	
7. 5'	20.0	442	6.72	61.3	
8. 5'	19.8	437	6.47	37.6	
9.					
10.					
11.					
12.					
13.					
14.					
15.					

*Take measurement at approximately each casing volume purged. ⊕

HY - Minimal W.L. drop MY - W.L. drop - able to purge 3 volumes during one sitting LY - Able to purge 3 volumes by returning later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

WELL OR LOCATION 1125 Red Building

PROJECT _____	EVENT _____	SAMPLER _____	DATE <u>6-20-13</u>
---------------	-------------	---------------	---------------------

<p>Intake depth _____</p> <p>SWL <u>10.1</u> (if above screen)</p> <p>SWL _____ (if in screen)</p> <p>Measured TD <u>25.5</u></p>	Well type <u>MW-2</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Diameter <u>2"</u>	Start Pump / Begin		<u>1 gpm</u>	<u>BRN</u>
	<u>2"</u> gal/ft. casing	<u>Pump 205pm</u>	<u>2:40</u>	<u>Stop Pump</u>	
		Stop			
		Sampled			
	Final IWL				

PURGE CALCULATION			
<u>0.165</u> gal/ft. * <u>14.5</u> ft. =		<u>2.43</u> gals. ¹⁰ X 3	<u>24.3</u> gals.
SWL to TD	one volume	purge volume - 3 casings	
2" = 0.165 gal/ft.	4" = 0.65 gal/ft.	6" = 1.47 gal/ft.	

Equipment Used / Sampling Method / Description of Event: <u>Bailers Pump</u> <u>Oatlon T-100</u>	Actual gallons purged <u>40</u> Actual volumes purged <u>20</u> Well Yield ⊕ _____
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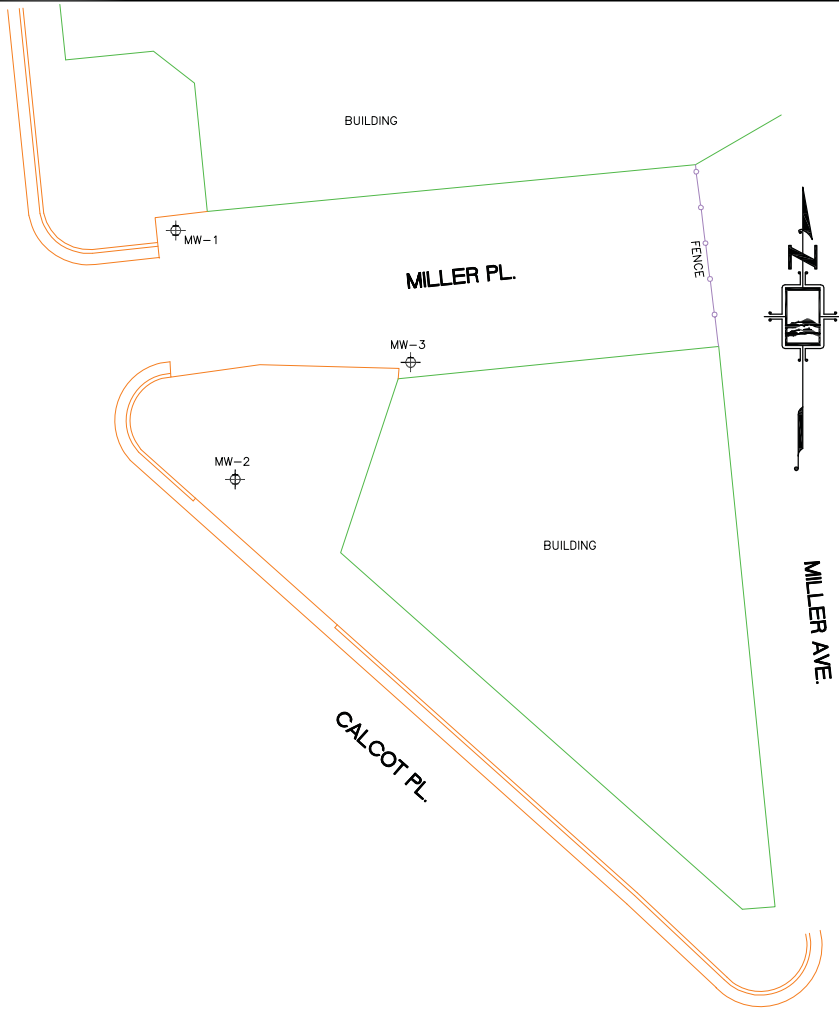
Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>5 gal</u>	<u>22.1</u>	<u>474</u>	<u>7.76</u>	<u>740</u>	<u>BRN</u>
2. <u>5 gal</u>	<u>21.7</u>	<u>442</u>	<u>6.88</u>	<u>788</u>	<u>BRN</u>
3. <u>5 gal</u>	<u>19.8</u>	<u>440</u>	<u>6.79</u>	<u>577</u>	
4. <u>5 gal</u>	<u>19.5</u>	<u>438</u>	<u>5.83</u>	<u>436</u>	
5. <u>5 gal</u>	<u>19.5</u>	<u>436</u>	<u>5.85</u>	<u>314</u>	
6. <u>5 gal</u>	<u>19.4</u>	<u>436</u>	<u>6.01</u>	<u>358</u>	
7. <u>5</u>	<u>19.4</u>	<u>434</u>	<u>5.32</u>	<u>244</u>	
8. <u>5</u>	<u>19.5</u>	<u>434</u>	<u>5.83</u>	<u>243</u>	
9.					
10.					
11.					
12.					
13.					
14.					
15.					

*Take measurement at approximately each casing volume purged. ⊕ HY - Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting LY - Able to purge 3 volumes by returning later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

ATTACHMENT I

Monitoring Well Exhibit

Prepared For:
Clearwater Group



DESC.	NORTHING	EASTING	LATITUDE	LONGITUDE	EL. PVC	EL. RIM
MW-1	2111423.9	6059751.4	37.7807930	-122.2368373	21.42	21.88
MW-2	2111383.9	6059761.0	37.7806835	-122.2368016	21.57	22.09
MW-3	2111402.7	6059789.2	37.7807367	-122.2367051	23.40	23.68

BASIS OF COORDINATES AND ELEVATIONS:
 COORDINATES ARE CALIFORNIA STATE PLANE, ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK.
 COORDINATE DATUM IS NAD 83.
 REFERENCE GEOID IS GEOID03.
 VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.



<p>MW Exhibit 1125 Miller Ave. Oakland Alameda County California</p>		<p>1255 Starboard Drive West Sacramento California 95691 (916) 372-8124 mark@morrowsurveying.com</p>	<p>Date: June, 2013 Field: 6-20-13 RL Scale: 1"=20' Revised: Field Book: MW-56 Dwg. No. 0933-016 MAM</p>
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ATTACHMENT J



INTEGRATED WASTESTREAM MANAGEMENT, INC.
1945 CONCOURSE DRIVE, SAN JOSE, CA 95131
PHONE: 408.433.1990 FAX: 408.433.9521

CERTIFICATE OF DISPOSAL

Generator Name: John Protopappas
Address: P.O. Box 687
Oakland, CA 94604
Contact: John Protopappas
Phone: 510-452-2944

Facility Name: P&D 23rd Avenue Associates
Address: 1125 Milller Avenue
Oakland, CA
Facility Contact: Olivia Jacobs, Clearwater Group
Phone: 510-307-9943 x223

IWM Job #: 100193-DS
Description of Waste: 6 Drum(s) of
Non-Hazardous
Soil
Removal Date: 7/26/13
Ticket #: RSVRL260713


Transporter Information

Name: IWM, Inc.
Address: 1945 Concourse Drive
San Jose, CA 95131
Phone: (408) 433-1990

Disposal Facility Information

Name: Republic Services Vasco Road Landfill
Address: 4001 N. Vasco Road
Livermore, CA 94550
Phone: (925) 447-0491

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon 
Authorized Representative (Print Name and Signature)

7/26/13
Date

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1			
3. Generator's Name and Mailing Address <i>Miller Ave 1125 Miller Ave, Oakland CA</i>									
4. Generator's Phone ()									
5. Transporter 1 Company Name		6. US EPA ID Number		A. State Transporter's ID					
				B. Transporter 1 Phone <i>(916) 763-7641</i>					
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID					
				D. Transporter 2 Phone					
9. Designated Facility Name and Site Address <i>ISE 1105 AIRPORT RD, R.O VISTA, CA</i>		10. US EPA ID Number		E. State Facility's ID					
				F. Facility's Phone <i>(707) 374-3834</i>					
11. WASTE DESCRIPTION			12. Containers		13. Total Quantity		14. Unit Wt./Vol.		
			No. Type						
a. <i>NON-HAZ PUDGE WATER</i>			1 Poly		112		Gal		
b.									
c.									
d.									
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.									
Printed/Typed Name						Signature		Date	
								Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature		Date	
<i>Adam Feeney</i>						<i>Adam Feeney</i>		6 26 13	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Date	
								Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						Signature		Date	
<i>MICHAEL WHITEHEAD</i>						<i>Michael Whitehead</i>		7 30 13	

NON-HAZARDOUS WASTE GENERATOR

TRANSPORTER FACILITY



ATTACHMENT K





ATTACHMENT L

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_XY FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_XY
<u>Report Title:</u>	MW-1 through MW-3
<u>Facility Global ID:</u>	T0600177455
<u>Facility Name:</u>	23RD AVENUE PARTNERS
<u>File Name:</u>	Geo_XY.zip
<u>Organization Name:</u>	Clearwater Group
<u>Username:</u>	CLEARWATERGROUP
<u>IP Address:</u>	173.13.151.1
<u>Submittal Date/Time:</u>	8/7/2013 10:27:01 AM
<u>Confirmation Number:</u>	4298692226

[VIEW GEO_XY SUBMITTAL DATA ON MAP](#)

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_Z FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_Z
<u>Report Title:</u>	MW-1 through MW-3
<u>Facility Global ID:</u>	T0600177455
<u>Facility Name:</u>	23RD AVENUE PARTNERS
<u>File Name:</u>	Geo_Z.zip
<u>Organization Name:</u>	Clearwater Group
<u>Username:</u>	CLEARWATERGROUP
<u>IP Address:</u>	173.13.151.1
<u>Submittal Date/Time:</u>	8/7/2013 11:02:11 AM
<u>Confirmation Number:</u>	5579029142

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	EDF
<u>Report Title:</u>	2013 Well Installation and Investigation (85145)
<u>Report Type:</u>	Soil and Water Investigation Report
<u>Facility Global ID:</u>	T0600177455
<u>Facility Name:</u>	23RD AVENUE PARTNERS
<u>File Name:</u>	EDF_PD23rdAvePartners_85145.ZIP
<u>Organization Name:</u>	Clearwater Group
<u>Username:</u>	CLEARWATERGROUP
<u>IP Address:</u>	173.13.151.1
<u>Submittal Date/Time:</u>	8/12/2013 1:57:22 PM
<u>Confirmation Number:</u>	5033318698

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)