Appendix B3 Additional Site Assessment Report

ADDITIONAL SITE ASSESSMENT REPORT AND WORK PLAN FOR ADDITIONAL SITE ASSESSMENT

SHELL SERVICE STATION
18502 Beach Boulevard (at Ellis Avenue)
Huntington Beach, California

July 16, 2010

SUBMITTED TO:
ORANGE COUNTY HEALTH CARE AGENCY
Environmental Health Division
1241 East Dyer Road
Santa Ana, California 92705
Attention: Ms. Geniece Higgins

PREPARED FOR:
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OCHCA CASE NUMBER: 95UT047
WPI PROJECT NUMBER: 09.666
SAP CODE: 120804

WARRANTY STATEMENT

This report has been prepared by Wayne Perry, Inc. for the exclusive use of Equilon Enterprises LLC dba Shell Oil Products US, as it pertains to the Shell Service Station located at 18502 Beach Boulevard (at Ellis Avenue) in Huntington Beach, California. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, hydrogeologists, and engineers practicing in this field. No other warranty, expressed or implied, is made as to the professional advice in this report.

If you have questions or require additional information regarding this report, please contact Mr. Marvin Katz of Shell at (310) 550-5846 or Mr. Chris McDonald at (714) 826-0352.

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July 16, 2010

WPI Project Number: 09.666

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1.0 INTRODUCTION

The remediation system at18502 Beach Boulevard (at Ellis Avenue) in Huntington Beach, California (site) was shut down in September 2009 due to fouling of the groundwater extraction system conveyance lines. Based on the presence of separate phase hydrocarbons in well MW-11 and dissolved phase benzene, MTBE, and TBA concentrations above the maximum contaminant level, the Orange County Health Care Agency (OCHCA) requested that the remediation system be turned on immediately.

Review of the system data indicated that extraction rates had been less than .01 pounds/hour for the last 5,920 hours of system operation and groundwater extraction rates had consistently been less than 0.5 gpm. Further groundwater analytical data indicated that the extent of impacted groundwater was not fully defined to the north and east of the site, and the groundwater conditions at the site were not adequately defined.

Therefore, Wayne Perry Inc. (WPI) proposed additional assessment to better define groundwater and soil conditions at the site in order to evaluate remedial alternatives prior to reinitiating remedial activities at the site. This report, submitted by WPI on behalf of Equillon Enterprises LLC dba Shell Oil Products US (Shell), documents the procedures and results of the additional site assessment.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The site is located on the southeast corner of the intersection of Beach Boulevard and Ellis Avenue in Huntington Beach, California (Figure 1). Currently, there is a Shell Service Station at the site with four 10,000 gallon double-walled fiber steel underground storage tanks (USTs), three dispenser islands, underground doubled walled fiberglass product lines, a waste-oil UST, and a station building with a food-mart and three service bays (Figure 2).

The surrounding land use is a combination of commercial and residential. A Jack-in-the-Box restaurant and a liquor store are located north of the site across Ellis Avenue. Single family residences are located northeast and east of the site. Immediately east and south of the site are a strip mall and Habana Cabana restaurant. West of the site across Beach Boulevard is Chevron Station 9-8474, which is an open leaking underground storage tank case with the OCHCA (94UT043). A Denny's restaurant is located across the intersection to the northwest of the site.

2.2 SITE HISTORY

Date	Activity/Method	No. of Wells Borings or Samples	Report Date	Consultant	Comments
07/95	Dispenser island upgrade	—	—	WGR Southwest Inc.	Petroleum hydrocarbons (HCs) were detected in soil samples collected as part of the upgrade activities.
11/95	Site assessment	4 borings (B1 through B4)	11/95	WGR	HCs were detected in soil samples from B-1, B-2, and B-4 to a depth of approximately 40 feet.
3/97	Site assessment	3 wells (MW-1 through MW-3) and 1 boring (B5)	3/97	WGR	Dissolved-phase hydrocarbons were detected in groundwater samples from MW-1 and MW-2. Separate-phase hydrocarbons (SPH) were found in MW-3.
4/98 to 12/04	SPH recovery	–	–	WGR	Volume of SPH recovered not reported.
10/98	Additional site assessment	4 wells (MW-4 through MW-7)	10/98	WGR	TPH and BTEX were detected in soil samples from MW-4, MW-5, and MW-6 to a maximum depth of approximately 50 feet. TPH, BTEX, and/or MTBE were detected in groundwater samples from MW-4, MW-6, and MW-7.
4/00	Additional site assessment	10 soil borings (WGR-1 to WGR-10)	4/00	WGR	MTBE and BTEX were detected in soil samples collected adjacent to the existing fuel storage tank.
9/00	Remedial Action Plan	—	9/29/00	WGR	WGR proposed a vapor extraction and aquifer test.
3/01	Additional site assessment	4 wells (MW-8 to MW-11)	5/23/01	WGR	TPH, BTEX, and/or MTBE were detected in soil samples from MW-8 to MW-11 to a maximum depth of approximately 45 feet. TPH, BTEX, MTBE and TBA were detected in groundwater samples from MW-8, MW-10, and MW-11. SPH was found in well MW-9
4/01	Vapor Extraction Test	—	—	WGR	Test results indicate that SVE was a viable remedial method.
2003-2004	Soil Vapor Extraction	—	—	WGR	A soil vapor extraction system was installed by first quarter 2003 and continued operation until December 2004.
3/04	Work plan for Additional ite Assessment	—	3/24/04	WGR	WGR proposed the installation of one groundwater monitoring well north of the site in Ellis Aveune.
6/04	Correction Action Plan	—	06/22/04	WGR	WGR proposed DPE for remediation of petroleum hydrocarbons.

Date	Activity/Method	No. of Wells Borings or Samples	Report Date	Consultant	Comments
07/04	Phase II Site Assessment	1 well (MW-12)	07/25/04	WGR	MTBE, TPH, and BTEX were not detected in soil samples collected from MW-12. Groundwater samples were not collected from MW-2 due to insufficient water.
11/04	Groundwater Treatment System Shut Down	—	—	WGR	System effluent sample failed bioassay test. Accordingly, the groundwater treatment system was shut down.
8/05	Submittal of Waste Discharge Application	—	8/24/05	WGR	WGR submitted an application for a Waste Discharge Permit for reinjection/percolation of treated groundwater impacted by petroleum hydrocarbons.
9/05	Waste Discharge Application Addendum	—	9/2/05	WGR	Submitted site plan and figures for waste discharge permit.
9/07	SPH Recovery	—	9/28/07	WPI	Skimmer was installed in MW-9 to remove SPH.
3/08	DPE System Restarted	—	3/4/08	WPI	DPE system restarted
7/09	Agency Correspondence	—	7/2/09	—	The OCHCA determined that wells MW-1, MW-2, MW-3, MW-8, MW-9, and MW-11 would be monitored quarterly and wells MW-4, MW-5, MW-6, MW-7, MW-10, and MW-12 could be monitored semi-annually.
8/09	Agency Correspondence	—	8/3/09	—	The OCHCA rescinded the July 2009 reduced sampling schedule and required quarterly monitoring of all wells including remediation wells.
9/09	Remediation System Shut Down and Evaluation	—	9/8/09	WPI	The DPE system was shut down and OCHCA notified on September 16, 2009.
11/09	Evaluation of Remediation System and Work Plan for Additional Site Assessment	—	11/30/09	WPI	Based on the site conditions additional assessment was necessary to clarify site lithology, better define the extent of petroleum hydrocarbons in the soil, define the extent of impacted groundwater east of MW-3 and MW-7, and accurately evaluate remedial options for this site. WPI proposed 5 borings and installation of two groundwater monitoring wells.

Date	Activity/Method	No. of Wells Borings or Samples	Report Date	Consultant	Comments
12/09	Agency Correspondence	—	12/22/09	—	The OCHCA requested a revised work plan that included historical soil and groundwater analytical data, installation of an additional well to the south/southeast of the site, determination of groundwater flow during periods of non remediation, and a soil vapor survey.
9/09	Wells Redeveloped	—	1/13/10	WPI	Wells MW-4 and MW-11 were redeveloped.
12/09	Agency Correspondence	—	12/23/09	—	The OCHCA requested documentation for the redevelopment of wells MW-4 and MW-11, and a work plan for the abandonment and replacement of well MW-11.
1/10	Work Plan for Soil Vapor Survey	—	1/21/10	WPI	WPI proposed 8 soil vapor samples.
1/10	Agency Response	—	1/22/10	WPI	WPI stated that a CAP would be submitted by March 31, 2010.
1/10	Agency Response	—	1/22/10	WPI	Based on the January 15, 2010 gauging data, well MW-11 does not need to be replaced. The vapor extraction system was restarted and bailing of MW-11 was initiated. WPI stated that a CAP would be submitted by March 31, 2010.
3/10	Revised Work Plan for Additional Site Assessment	—	3/1/10	WPI	WPI included historical soil and groundwater analytical data and groundwater flow patterns during times of non remediation. WPI proposed collecting soil and depth discrete groundwater samples at five locations and installing three groundwater monitoring wells.

Date	Activity/Method	No. of Wells Borings or Samples	Report Date	Consultant	Comments
3/10	Agency Correspondence	—	3/16/10	—	The OCHCA approved the January 2010 work plan for soil vapor survey and requested that two of the vapor sample locations be moved to the southern property line, one of the vapor sample locations be moved near MW-11, one additional vapor sample be collected along the southern property line, two additional soil vapor samples be collected at the liquor store across Ellis Avenue, and that all soil vapor samples be collected at 5, 15, 25, 35, and 40 feet.
3/10	Response to March 16, 2010 OCHCA Correspondence	—	3/31/10	WPI	WPI stated that without technical justification for the changes in the vapor sampling program, the scope of work outlined in the January 2010 work plan would be implemented without change with the exception of the two additional vapor sample locations.
3/10	Revised CAP	—	3/31/10	WPI	WPI proposed air sparging coupled with vapor extraction as the most viable remedial alternative.
3/10	Revised Plot Plan for March 1, 2010 Work Plan	—	3/31/10	WPI	WPI submitted a revised plot plan showing the proposed CPT locations and clarification as to the sampling methods for the CPT.
4/10	Agency Correspondence	—	4/5/10	—	The OCHCA rejected the proposed feasibility testing and site remediation using air sparging and requested a revised CAP 60 days after the completion of pending field assessment activities.
4/10	Agency Correspondence	—	4/6/10	—	The OCHCA approved the March 2010 revised work plan.
4/10	Agency Correspondence	—	4/7/10	—	The OCHCA responded to the March 16, 2010 response letter and agreed to the two additional vapor sample locations and requested that WPI follow the directives and time line set forth in the March 16, 2010 correspondence.

Date	Activity/Method	No. of Wells Borings or Samples	Report Date	Consultant	Comments
4/10	Agency Response	--	4/28/10	WPI	WPI requested that the proposed soil vapor survey be postponed because redevelopment plans will be delayed for approximately 1 to 5 years and the site will remain an active gas station.
5/10	Revised Plot Plan for March 1, 2010 Work Plan	—	5/6/10	WPI	WPI submitted a revised plot plan showing the proposed well relocation from eastbound Ellis Avenue to the adjoining property.

Boring/well data is in Table 1. Soil analytical data is in Table 2. Historical groundwater data is in Table 3.

2.3 SITE GEOLOGY/HYDROLOGY

The site is located on the Huntington Beach Mesa within the northwestern portion of the Peninsular Ranges geomorphic province. The site is situated at an elevation of approximately 55 to 60 feet above sea level, approximately 2.4 miles inland from the Pacific Ocean (USGS, 1965).

Based on observations made during the various phases of assessment, the site is underlain by fine- to medium-grained sand and fine- to medium-grained silty sand with occasional thin layers of silt and clay.

The site is situated in the pressure area in the southwest portion of the Orange County Groundwater Basin. The principal water-bearing units in this area are the Talbert and Bolsa aquifers, which are both confined and surround the landward sides of the Huntington Beach Mesa. Depth to first groundwater ranges from approximately 40 to 42 feet.

2.4 SENSITIVE RECEPTORS

One active groundwater production well and three former wells have been identified by the Orange County Water District within a one mile radius of the site. A summary of the production well information is in Table 2.4.1.

Table 2.4.1 Summary of Production Well Data

State Well Number	Well Owner	Well Use	Well Status	Approximate Distance and Direction from Site
05S/11W-36C02S (DYKE)	unknown	Drinking Water Well – Public/ Municipal	active	2,418 feet northeast
ID Unknown (Well 01 – Ronald Rd)	unknown	Other Well	destroyed	3,416 feet North
05S/11W-26J02S (Well 01)	unknown	Drinking Water Well – Public/ Municipal	unknown	5,206 feet northwest
ID Unknown (HOLTZ)	unknown	Other Well	unknown	4,493 feet southeast

There are two schools and one health care facility within one half mile of the site. Sensitive receptor data is in Table 2.4.2.

Table 2.4.2 Potential Sensitive Receptors

Feature/Structure	Distance from Site (feet)	Direction from Site
California College Physical Art	200	south
St. Wilfrid's Pre-School	1,000	east
Sun Bridge Healthcare	1,300	southwest

3.0 SCOPE OF WORK

3.1 PRE-FIELD ACTIVITIES

The pre-field activities included:

- Updating the existing WPI Site Safety and Health Plan, as necessary;
- Scheduling subcontractors;
- Notifying Underground Service Alert (USA);
- Obtaining drilling permits.

3.2 FIELD ACTIVITIES

3.2.1 Utility Location

Underground Services Alert was notified of pending drilling activities at the site at least 48 hours prior to commencement of work. Prior to drilling, an underground line survey was performed to locate all underground utility crossings at the site. Immediately prior to drilling, the borehole

locations were air knifed to a depth of at least seven feet and to a width three inches greater than the diameter of the lead auger.

3.2.2 Soil/Groundwater Sampling

CPT-1 through CPT-4 were drilled on May 19 and 20, 2010 using a CPT rig operated by Gregg Drilling of Signal Hill, California (C-57 License 485165). The proposed CPT location between the western dispenser islands was not advanced due to the presence of pea gravel. Boring locations are shown on Figure 2.

Details of the soil and groundwater sampling procedures are in Table 3.2.2.

Table 3.2.2, Sampling Procedures

Number of Borings	Depth of Boring (feet)	Drilling Method	Sample Interval (feet)	Sample Method	Sample Analysis
4 (CPT-1 through CPT-4)	60	Direct Push	Soil: 5-54 Groundwater: 45 and 60	Soil: Piston sampler Groundwater: Hydropunch	Soil and groundwater: TPH-D using EPA 8015 modified; and TPPH and volatile organic compounds using EPA 8260B full scan Selected soil samples: density, porosity (total, effective, air filled, water filled), permeability to air, hydraulic conductivity

3.2.3 Well Installation

Wells MW-13, MW-14, and MW-15 were installed on May 24 and 25, 2010, using a hollow stem auger drill rig operated by Gregg Drilling. Well and boring locations are shown on Figure 2. Copies of the well installation permits are in Appendix A.

Details of the soil sampling and well installation procedures are in Tables 3.2.3a and 3.2.3b.

Table 3.2.3a, Soil Sampling Procedures

Number of Borings	Depth of Boring (feet)	Drilling Method	Sample Interval (feet)	Sample Method	Sample Analysis
3 (MW-13 to MW-15)	MW-14 and MW-15: 51 MW-13: 61	Hollow stem auger	MW-14, MW-15: 5-50 MW-13: 5-60	Modified California split spoon	TPH-D using EPA 8015 modified; and TPPH and volatile organic compounds using EPA 8260B full scan

Table 3.2.3b, Well Construction Details

Number of Wells	Type of Well	Depth of Well (feet)	Casing Material	Screen Interval	Filter Pack* Interval (feet)	Well Seals	
						Bentonite Chip:	Neat Cement
3 (MW-13 to MW-15)	Groundwater monitoring	MW-14, MW-15: 50 MW-13: 60	Blank: 2-inch diameter, schedule 40 PVC Slotted Casing: 2-inch diameter, schedule 40 PVC with factory milled 0.020 slot	MW-14, MW-15: 30-50 MW-13: 40-60	MW-14, MW-15: 28-51 MW-13: 38-61	MW-14, MW-15: 25-28 MW-13: 35-38	MW-14, MW-15: 0.5-25 MW-13: 0.5-35

*Filter pack – 2/12 Monterey sand

Soil in the tubes was examined in the field for observable signs of petroleum hydrocarbons, screened for hydrocarbon vapors using a photoionization detector calibrated to hexane, and examined for soil classification. Soil was classified in general accordance with the Unified Soil Classification System. The soil classification and description, including blow counts, grain size, size grading, subordinate constituents, color, density, moisture content, and organic vapor readings, was recorded on a field boring/well log. Copies of the boring logs are in Appendix B.

Site investigation activities were conducted in accordance with a site-specific WPI Site Safety and Health Plan (SSHP) and under the supervision of a WPI California Professional Geologist.

3.2 Well Survey

On June 10, 2010, wells MW-13, MW-14, and MW-15 were surveyed to a known benchmark by W. Tom Foster Surveys, a California licensed surveyor. A copy of the well survey report is in Appendix C.

3.3 Well Development

The wells were developed by Blaine Tech Services Inc. (Blaine Tech) of San Jose, California on June 10, 2010. Copies of the well development field sheets are in Appendix D.

3.4 Groundwater Monitoring

All the wells were gauged and sampled on June 25, 2010, by Blaine Tech. A copy of the Blaine Tech report is included Appendix E. Groundwater samples were submitted under chain of custody procedures to Calscience Environmental Laboratories Inc. for analysis of total purgeable petroleum hydrocarbons (TPPH) and volatile organic compounds using EPA Method 8260B. A copy of the groundwater analytical report is included in Appendix E.

3.5 Equipment Decontamination

To avoid cross-contamination, all re-usable equipment was broken down after each use and cleaned using an approved non-phosphate detergent and double-rinsed in distilled water. The

augers, drive hammers, and other drilling equipment was replaced with clean equipment between boreholes.

3.6 Laboratory Analysis

Soil and depth discrete groundwater samples were submitted under chain of custody procedures to Calscience Environmental Laboratories Inc. for analysis of total purgeable petroleum hydrocarbons (TPPH) and volatile organic compounds using EPA Method 8260B. Copies of the soil and depth discrete groundwater analytical reports are in Appendix F.

Soil physical properties are in Table 4 and copies of the soil physical property reports are in Appendix G.

3.7 Waste Disposal

Soil cuttings, decontamination water, well development water, and groundwater sampling water was immediately contained in DOT approved 55-gallon drums. The drums were transported to a disposal facility under appropriate manifest procedures.

4.0 FINDINGS

4.1 Geology and Hydrology

Based on the CPT data, soil beneath the site consists primarily of sand interbedded with layers of silty sand, sandy silt, clay, silty clay. A copy of the Gregg drilling and testing CPT Report is in Appendix H.

Materials observed during drilling consisted primarily of fine- to medium-grained sand, fine- to medium-grained silty sand, fine-grained sand with silt, interbedded with layers of silt, sandy silt, silt with sand, clayey silt, and silt with clay to a depth of approximately 60 feet.

Depth to groundwater on June 25, 2010, ranged from 38.88 to 54.99 feet and the direction of groundwater flow was to the east and southeast (Figure 3). It should be noted that the direction of groundwater flow is typically to the north and northwest at this site.

4.2 ANALYTICAL RESULTS

4.2.1 Soil

Soil analytical results are summarized in Table 4.2.1.

Table 4.2.1, Summary of Soil Analytical Results

CONSTITUENT	FOUND IN BORINGS	RANGE OF DEPTHS (feet)	RANGE OF CONCENTRATION (µg/kg)	BORING/DEPTH HIGHEST CONCENTRATION FOUND
TPH-D	CPT-1, CPT-2, CPT-3, CPT-4, MW-13, and MW-14	5 to 50	8.4 to 3,400	CPT-3 at 15 feet
TPPH	CPT-1, CPT-2, and CPT-3	15 to 53	520 to 3,600,000	CPT-1 at 35 feet
Benzene	CPT-1 and CPT-4	40 to 50	13 to 64	CPT-4 at 50 feet
Toluene	CPT-1, CPT-2, CPT-3, and CPT-4	35 to 50	6 to 31,000	CPT-2 at 50 feet
Ethylbenzene	CPT-1, CPT-2, CPT-3, and CPT-4	35 to 50	6 to 44,000	CPT-1 at 35 feet
Xylenes	CPT-1, CPT-2, CPT-3, and CPT-4	35 to 50	18 to 380,000	CPT-1 at 35 feet
MTBE	CPT-1, CPT-2, CPT-3, and MW-15	40 to 53	14 to 440	CPT-2 at 40 feet
TBA	CPT-1 and CPT-2	40 to 45	210 to 3,600	CPT-1 at 40 feet
DIPE	Not detected	-	-	-
ETBE	Not detected	-	-	-
TAME	Not detected	-	-	-

Soil analytical results are also in Table 2 and summarized on Figure 4. Physical soil properties are in Table 4.

4.2.2 Groundwater

Groundwater analytical data is summarized in Table 4.2.2a and 4.2.2b.

Table 4.2.2b, Summary of Depth Discrete Groundwater Analytical Results

CONSTITUENT	FOUND IN BORINGS	RANGE OF DEPTHS (FEET)	RANGE OF CONCENTRATION (µg/l)	BORING/DEPTH HIGHEST CONCENTRATION FOUND
TPH-D	CPT-1, CPT-2, CPT-3, and CPT-4	45 to 60	92 to 390	CPT-1 at 60 feet
TPPH	CPT-1, CPT-2, CPT-3, and CPT-4	45 to 60	55 to 2,100	CPT-1 at 45 feet
Benzene	CPT-1, CPT-2, CPT-3, and CPT-4	45 to 60	0.52 to 87	CPT-1 at 45 feet
Toluene	CPT-1 and CPT-2	45 to 60	2.6 to 370	CPT-1 at 45 feet
Ethylbenzene	CPT-1 and CPT-2	45 to 60	1.1 to 100	CPT-1 at 45 feet
Xylenes	CPT-1 and CPT-2	45 to 60	4.9 to 540	CPT-1 at 45 feet
MTBE	CPT-1, CPT-2, and CPT-3	45 to 60	1.1 to 67	CPT-1 at 45 feet
TBA	CPT-1, CPT-3, and CPT-4	45	53 to 130	CPT-3 at 45 feet
DIPE	Not detected	-	-	-
ETBE	Not detected	-	-	-
TAME	Not detected	-	-	-

Depth discrete groundwater analytical data is in Table 5 and summarized on Figure 5.

Table 4.2.2a, Summary of Groundwater Analytical Results from June 25, 2010 Monitoring Event

CONSTITUENT	FOUND IN WELLS	RANGE OF CONCENTRATION (µg/l)	WELL WITH HIGHEST CONCENTRATION
TPPH	MW-1 through MW-4, MW-6 through MW-10, MW-12, MW-13, and MW-15	84 to 44,000	MW-9
Benzene	MW-1, MW-7, and MW-9	19 to 940	MW-1
Toluene	MW-1	6,200	MW-1
Ethylbenzene	MW-1, MW-7, and MW-9	1,700	MW-1
Xylenes	MW-1, MW-7, and MW-9	5,900	MW-1

CONSTITUENT	FOUND IN WELLS	RANGE OF CONCENTRATION (µg/l)	WELL WITH HIGHEST CONCENTRATION
MTBE	MW-3, MW-7, Mw-9, MW-10, MW-12, MW-13, and MW-15	7,000	MW-9
TBA	MW-2, MW-7 through MW-10, and MW-12	13,000	MW-9
DIPE	MW-12	15	MW-12
ETBE	Not detected	-	-
TAME	Not detected	-	-

Historical groundwater analytical data is in Table 3.

5.0 CONCLUSIONS

Based on the soil analytical data from CPT-1 to CPT-4, residual hydrocarbons extend to a depth of approximately 53 feet. The highest concentrations (hydrocarbons>10,000 µg/kg) were found at depths from 35 and 50 feet in samples from CPT-1 and CPT-2 located adjacent to the tank zone. In samples from both borings, hydrocarbon concentrations showed rapid attenuation with depth.

Depth discrete groundwater analytical data are shown on Figure 6. The data show that TPPH, TPH-D, benzene, MTBE, and/or TBA were detected in the 60-foot samples from CPT-1, CPT-2, and CPT-3. In CPT-1, CPT-3, and CPT-4, the analytical data shows that TPPH, benzene, MTBE, and TBA concentrations attenuated with depth. TPH-D increased with depth in groundwater samples from CPT-1 and CPT-4. It should be noted that the sample chromatographic pattern for TPH-D did not match the chromatographic pattern of the specified standard. Accordingly, the constituents identified as TPH-D may not in fact be diesel fuel.

Figure 7 is a benzene isoconcentration map in groundwater. The data show that the highest benzene concentrations (benzene>100 µg/L) were found in samples from well MW-1 located adjacent to the southeast dispenser island and MW-9 located adjacent to the tank zone. Benzene-impacted groundwater extends off site to the north and was detected in the sample from MW-7 in Ellis Avenue. The extent of benzene-impacted groundwater is not defined to the west and northwest of MW-7.

Figure 8 is a MTBE isoconcentration map in groundwater. MTBE-impacted groundwater extends off site to the north and east of the site. The data shows that the extent of MTBE-impacted groundwater is undefined to the north, northwest, and east of the site.

Figure 9 is an isoconcentration map for TBA. The data show that TBA-impacted groundwater extends off site to the north and northwest of the site is that the extent of TBA-impacted groundwater is undefined.

CPT data and observations made during drilling and sampling indicate that the site is underlain by layers of sand, silty sand, silt with varying amounts of sand and clay, and silty clay. Pore

pressure dissipation data shows significant differences in the piezometric heads in CPT-1 and CPT-2 as compared to the nearby monitoring wells. Groundwater gauging and elevation data show significantly different elevations and/or elevation trends in MW-6, MW-11, MW-12, and M-14. The data indicate that water bearing layers are not continuous across the site and the localized confining layers are present.

Based on the data, additional assessment is necessary to define the extent of impacted groundwater to the north, northwest of the site.

6.0 PROPOSED SCOPE OF WORK

WPI proposes the installation one additional groundwater monitoring well in Ellis Avenue. The proposed well location is shown on Figure 2.

6.1 PRE-FIELD ACTIVITIES

- Updating the existing WPI SSHP, as necessary;
- Scheduling subcontractors; and
- Notifying Underground Service Alert at least one week prior to commencement of work to perform an underground utility clearance for the planned drilling location.

6.2 FIELD ACTIVITIES

Prior to any excavation, a utility line survey will be performed to locate underground utility lines in Ellis Avenue. The well location will be air-knifed to a depth of at least seven feet depending on the location of the proposed well relative to the underground utility lines and to a width three inches larger than the anticipated borehole width.

Details of the soil sampling procedures are in Table 6.2a. Proposed well construction details are in Table 6.2b.

Table 6.2a, Soil Sampling Procedures

Number of Borings	Depth of Boring (feet)	Drilling Method	Sample Interval (feet)	Sample Method	Sample Analysis
1	60	Hollow stem auger	5-60	Modified California split spoon	TPPH, BTEX, oxygenates: EPA 8260B

Table 6.2b, Well Construction Details

Number of Wells	Type of Well	Depth of Well (feet)	Casing Material	Screen Interval	Filter Pack 2/12 Monterey	Well Seals	
						Bentonite Chip:	Neat Cement
1	Groundwater monitoring	60	Blank: 2 inch diameter, schedule 40 PVC Slotted Casing: 2 inch diameter, schedule 40 PVC with factory milled 0.020 slot	40 – 60 feet	38-60 feet	35-38 feet	1-35 feet

Soil generated from the boring will be placed in 55-gallon drums and sealed upon completion of the work activities. The soil cuttings will remain in the drums on site until they can be properly disposed.

At least 72 hours after well completion, the well will be developed by surging and bailing. A surge block will be used to draw fine-grained material into the well where it will be removed. After a period of surging, water and suspended fines will be removed using a PVC bailer. This process will be repeated until the removed water contains less than 10 NTUs of suspended solids or a baseline level of turbidity is established. Groundwater depths before and after development, well depth, well development times and dates, volumes of water removed, and turbidity levels will be recorded on a well development log. To prevent cross-contamination, the surge block and bailer will be washed with non-phosphate soap and double rinsed in de-ionized water prior to each measurement.

To avoid cross-contamination, all reusable equipment will be broken down prior to and after each use and cleaned, using an approved non-phosphate detergent, double-rinsed in distilled water, and allowed to air dry.

The top of casing elevations will be surveyed to an established benchmark by a state licensed contractor.

6.3 REPORTING

A report will be submitted to OCHCA which will include:

- Objectives and background;
- Methods used;
- Discussion of results and additional recommendations if necessary;
- Detailed description of field procedures;
- Chemical data summarized in tables and on figures;
- Boring/well logs; and
- Copies of laboratory reports and chain-of-custody documents.

6.4 SCHEDULING

The scope of work presented in this report will be implemented within 60 days after receipt of written approval by the OCHCA. The report documenting the procedures and findings will be submitted to Orange County Health Care Agency within 60 days after receipt of the laboratory data.

7.0 REFERENCES

WGR, 2004, Phase II Assessment Work Plan, Former Texaco Service Station, 18502 Beach Boulevard, Huntington Beach, California: Unpublished report prepared for Equilon Enterprises LLC dba Shell Oil Products, dated March 24, 2004.

Wayne Perry, Inc. (WPI), 2009, Groundwater Monitoring Report First Quarter 2010, Shell Service Station, 18502 Beach Boulevard, Huntington Beach, California: Unpublished report prepared for Equilon Enterprises LLC dba Shell Oil Products, dated April14, 2010.

TABLES

TABLE 1
WELL/BORING DATA
Shell Service Station
18502 Beach Boulevard, Huntington Beach

Name	Type	Date Installed	Surface Elevation (feet)	Total Depth (feet)	Sample Increment or Depth(s) (feet)		First Groundwater (feet)		Screen Diameter (inches)	Screen Depth (feet)		Comments
							Depth	Elevation		Top	Bottom	
CPT-3	Soil Boring/ Hydropunch	5/20/10	---	60	5	5 to 53	40	---	---	---	---	GW samples collected at 45 and 60 feet
CPT-4	Soil Boring/ Hydropunch	5/20/10	---	60	5	5 to 53	40	---	---	---	---	GW samples collected at 45 and 60 feet
MW-13	GW well	5/24/10	60.4	61	5	5 to 60	40	---	2	40	60	
MW-14	GW well	5/25/10	60.5	51	5	5 to 50	40	---	2	30	50	
MW-15	GW well	5/25/10	60.8	51	5	5 to 50	40	---	2	30	50	

Notes:
Depths in feet below ground surface.
Elevations in feet relative to mean sea level.
GW Well: groundwater monitoring well

TABLE 1
WELL/BORING DATA
Shell Service Station
18502 Beach Boulevard, Huntington Beach

Name	Type	Date Installed	Surface Elevation (feet)	Total Depth (feet)	Sample Increment or Depth(s) (feet)		First Groundwater (feet)		Screen Diameter (inches)	Screen Depth (feet)		Comments
							Depth	Elevation		Top	Bottom	
B-1	Soil Boring	11/95	---	50	5	5 to 50	---	---	---	---	---	
B-2	Soil Boring	11/95	---	40	5	5 to 40	---	---	---	---	---	
B-3	Soil Boring	11/95	---	20	5	5 to 20	---	---	---	---	---	
B-4	Soil Boring	11/95	---	40	5	5 to 40	---	---	---	---	---	
B-5	Soil Boring	3/26/97	---	45	5	5 to 45	---	---	---	---	---	
MW-1	GW well	3/26/97	---	51	5	5 to 50	---	---	4	36	51	
MW-2	GW well	3/27/97	---	51	5	5 to 50	---	---	4	36	51	
MW-3	GW well	3/27/97	---	51	5	5 to 50	---	---	4	36	51	
MW-4	GW well	9/16/98	---	51	5	5 to 50	---	---	4	36	51	
MW-5	GW well	9/18/98	---	50	5	5 to 50	---	---	4	31	46	
MW-6	GW well	9/17/98	---	51	5	5 to 50	---	---	4	36	51	
MW-7	GW well	9/16/98	---	50	5	5 to 50	---	---	4	31	46	
WGR-1	Soil Boring	4/5/00	---	45	5	5 to 45	---	---	---	---	---	
WGR-2	Soil Boring	4/5/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-3	Soil Boring	4/5/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-4	Soil Boring	4/6/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-5	Soil Boring	4/6/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-6	Soil Boring	4/6/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-7	Soil Boring	4/6/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-8	Soil Boring	4/7/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-9	Soil Boring	4/7/00	---	40	5	5 to 40	---	---	---	---	---	
WGR-10	Soil Boring	4/7/00	---	40	5	5 to 40	---	---	---	---	---	
MW-8	GW well	3/23/01	---	50	5	5 to 50	---	---	4	20	50	
MW-9	GW well	3/22/01	---	50	5	5 to 50	---	---	4	20	50	
MW-10	GW well	3/23/01	---	50	5	5 to 50	---	---	4	20	50	
MW-11	GW well	3/22/01	---	50	5	5 to 50	---	---	4	35	50	
MW-12	GW well	6/11/04	---	50	5	5 to 50	---	---	4	35	50	
CPT-1	Soil Boring/ Hydropunch	5/19/10	---	60	5	5 to 54	40	---	---	---	---	GW samples collected at 45 and 60 feet
CPT-2	Soil Boring/ Hydropunch	5/19/10	---	60	5	5 to 54	40	---	---	---	---	GW samples collected at 60 feet

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
B5	3/26/1997								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<300	-	-	-	-	-	-	
10	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<300	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<300	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
25	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<300	-	-	-	-	-	-	
30	**0.13**	-	-	ND<5	**6**	**9.9**	**17**	ND<30	-	-	-	-	-	-	
35	**0.14**	-	-	**11**	**30**	**7.1**	**38**	ND<300	-	-	-	-	-	-	
40	**7.1**	-	-	**540**	**1600**	**240**	**1700**	ND<3000	-	-	-	-	-	-	
41.5-43.0	**0.3**	-	-	**100**	**460**	**59**	**450**	ND<2000	-	-	-	-	-	-	
45	**0.3**	-	-	**100**	**460**	**59**	**450**	ND<2000	-	-	-	-	-	-	
MW-1	3/26/1997								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<300	-	-	-	-	-	-	
10	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
15	**0.11**	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
25	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
30	**1.2**	-	-	**7**	**30**	**17**	**110**	ND<30	-	-	-	-	-	-	
35	**0.29**	-	-	**7.2**	**35**	**7.8**	**59**	ND<30	-	-	-	-	-	-	
40	**8.1**	-	-	**380**	**490**	**330**	**1100**	ND<2000	-	-	-	-	-	-	
45	**3900**	-	-	**9600**	**230000**	**73000**	**480000**	ND<30000	-	-	-	-	-	-	
50	**170**	-	-	**2700**	**18000**	**4900**	**31000**	ND<20000	-	-	-	-	-	-	
MW-2	3/27/1997								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	**61**	-	-	-	-	-	-	
10	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	**190**	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	**1500**	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	**180**	-	-	-	-	-	-	
25	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	**100**	-	-	-	-	-	-	
30	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
35	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
40	ND<0.05	-	-	**7.3**	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
45	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
50	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
B1	11/1995								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	**260**	-	-	ND<1	ND<1	ND<1	**1.4**	-	-	-	-	-	-	-	
10	**3300**	-	-	ND<5	ND<5	**44**	**230**	-	-	-	-	-	-	-	
15	**5000**	-	-	ND<10	**13**	**85**	**470**	-	-	-	-	-	-	-	
20	**1900**	-	-	ND<5	**5.1**	**32**	**190**	-	-	-	-	-	-	-	
25	**1700**	-	-	ND<5	ND<5	**28**	**150**	-	-	-	-	-	-	-	
30	**6.6**	-	-	ND<0.03	**0.094**	**0.1**	**0.65**	-	-	-	-	-	-	-	
35	**18**	-	-	**0.8**	**2.1**	**0.55**	**2.9**	-	-	-	-	-	-	-	
40	**0.85**	-	-	ND<0.03	**0.098**	ND<0.03	**0.144**	-	-	-	-	-	-	-	
45	**1.3**	-	-	**0.21**	**0.18**	**0.059**	**0.21**	-	-	-	-	-	-	-	
50	**160**	-	-	ND<0.3	**4.1**	**2.6**	**12**	-	-	-	-	-	-	-	
B2	11/1995								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
10	**0.05**	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
20	**2200**	-	-	ND<10	ND<10	**21**	**130**	-	-	-	-	-	-	-	
25	**56**	-	-	ND<0.3	ND<0.3	**0.59**	**3.7**	-	-	-	-	-	-	-	
31.5	**8.7**	-	-	ND<0.3	**0.96**	ND<0.3	**1.1**	-	-	-	-	-	-	-	
36.5	**0.59**	-	-	ND<0.005	**0.015**	ND<0.005	**0.037**	-	-	-	-	-	-	-	
40	**6.7**	-	-	**1**	**1**	**0.15**	**1.5**	-	-	-	-	-	-	-	
B3	11/1995								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	**0.087**	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
10	**0.18**	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
B4	11/1995								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
10	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
25	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
30	ND<0.05	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
35	**0.098**	-	-	ND<0.005	ND<0.005	ND<0.005	ND<0.01	-	-	-	-	-	-	-	
40	**1.5**	-	-	**0.17**	**0.23**	**0.055**	**0.32**	-	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
MW-6	9/17/1998								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.5	-	-	ND<5	6	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.5	-	-	ND<5	6	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.5	-	-	15	95	19	107	ND<25	-	-	-	-	-	-	
20	ND<0.5	-	-	7	40	ND<5	22	ND<25	-	-	-	-	-	-	
25	ND<0.5	-	-	13	79	13	73	ND<25	-	-	-	-	-	-	
30	ND<0.5	-	-	ND<5	8	ND<5	ND<10	ND<25	-	-	-	-	-	-	
35	ND<0.5	-	-	98	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	ND<0.5	-	-	ND<5	35	ND<5	21	ND<25	-	-	-	-	-	-	
45	7.3	-	-	964	2230	199	1380	ND<25	-	-	-	-	-	-	
50	ND<0.5	-	-	43	45	7	34	ND<25	-	-	-	-	-	-	
MW-7	9/16/1998								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.5	-	-	ND<5	14	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.5	-	-	10	43	7	37	ND<25	-	-	-	-	-	-	
15	ND<0.5	-	-	ND<5	21	ND<5	16	ND<25	-	-	-	-	-	-	
20	ND<0.5	-	-	8	24	ND<5	27	ND<25	-	-	-	-	-	-	
25	ND<0.5	-	-	ND<5	37	ND<5	29	ND<25	-	-	-	-	-	-	
30	ND<0.5	-	-	ND<5	16	ND<5	ND<10	74	37	-	-	-	-	-	
35	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	8600	-	-	72000	492000	200000	1130000	33000	ND<2000	-	-	-	-	-	
45	0.6	-	-	16	70	16	87	ND<25	-	-	-	-	-	-	
50	ND<0.5	-	-	14	72	15	57	ND<25	-	-	-	-	-	-	
WGR-1	4/5/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
30	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	510	330	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
45	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
MW-3	3/27/1997								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
10	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
15	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
20	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
25	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
30	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
35	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
40	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
45	0.14	-	-	ND<5	ND<5	13	ND<10	ND<30	-	-	-	-	-	-	
50	ND<0.05	-	-	ND<5	ND<5	ND<5	ND<10	ND<30	-	-	-	-	-	-	
MW-4	9/16/1998								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.5	-	-	ND<5	7	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.5	-	-	ND<5	10	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.5	-	-	ND<5	10	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.5	-	-	ND<5	14	ND<5	ND<10	ND<25	-	-	-	-	-	-	
25	ND<0.5	-	-	ND<5	19	ND<5	18	ND<25	-	-	-	-	-	-	
30	ND<0.5	-	-	ND<5	14	ND<5	ND<10	ND<25	-	-	-	-	-	-	
35	ND<0.5	-	-	ND<5	8	ND<5	ND<10	28	24	-	-	-	-	-	
40	ND<0.5	-	-	8	34	ND<5	22	ND<25	-	-	-	-	-	-	
45	ND<0.5	-	-	52	7	ND<5	42	ND<25	-	-	-	-	-	-	
50	2.1	-	-	566	137	102	264	ND<25	-	-	-	-	-	-	
MW-5	9/18/1998								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
25	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
30	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
35	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
45	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
50	ND<0.5	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
WGR-6	4/6/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	**0.75**	-	-	ND<5	ND<5	ND<5	ND<10	**1100**	**180**	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**200**	**21**	-	-	-	-	-	
15	**2.5**	-	-	ND<5	ND<5	ND<5	ND<10	**3200**	**3100**	-	-	-	-	-	
20	**0.59**	-	-	ND<5	ND<5	ND<5	ND<10	**840**	**75**	-	-	-	-	-	
25	**0.66**	-	-	ND<5	ND<5	ND<5	ND<10	**960**	**89**	-	-	-	-	-	
30	**3.3**	-	-	ND<5	ND<5	ND<5	ND<10	**7300**	**7700**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**120**	**29**	-	-	-	-	-	
40	ND<0.50	-	-	**30**	ND<5	**13**	**14**	ND<25	-	-	-	-	-	-	
WGR-7	4/6/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**310**	**210**	-	-	-	-	-	
20	**0.88**	-	-	ND<5	ND<5	ND<5	ND<10	**1200**	**230**	-	-	-	-	-	
25	**0.82**	-	-	ND<5	ND<5	ND<5	ND<10	**1100**	**590**	-	-	-	-	-	
30	**8.3**	-	-	ND<5	ND<5	ND<5	ND<10	**11000**	**9800**	-	-	-	-	-	
35	ND<0.50	-	-	**10**	ND<5	ND<5	ND<10	**330**	**350**	-	-	-	-	-	
40	**1.3**	-	-	**350**	ND<5	**100**	ND<10	ND<25	-	-	-	-	-	-	
WGR-8	4/7/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**38**	ND<5	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
30	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	ND<0.50	-	-	**27**	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
WGR-9	4/7/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**110**	**30**	-	-	-	-	-	
25	**0.52**	-	-	ND<5	ND<5	ND<5	ND<10	**380**	**41**	-	-	-	-	-	
30	**0.77**	-	-	ND<5	ND<5	ND<5	ND<10	**590**	**150**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**78**	**31**	-	-	-	-	-	
40	**2.3**	-	-	**210**	ND<5	**96**	**220**	**68**	**25**	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
WGR-2	4/5/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**31**	**11**	-	-	-	-	-	
25	**0.52**	-	-	ND<5	ND<5	ND<5	ND<10	**650**	**1300**	-	-	-	-	-	
30	**0.99**	-	-	ND<5	ND<5	ND<5	ND<10	**1300**	**1700**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
40	**26**	-	-	**1700**	**5300**	**630**	**3900**	ND<25	-	-	-	-	-	-	
WGR-3	4/5/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**310**	**290**	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**150**	**110**	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**150**	**150**	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**200**	**210**	-	-	-	-	-	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**220**	**140**	-	-	-	-	-	
30	**3.2**	-	-	ND<5	ND<5	ND<5	ND<10	**2100**	**3200**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**340**	**170**	-	-	-	-	-	
40	**15**	-	-	**980**	**1500**	**380**	**2200**	**34**	**11**	-	-	-	-	-	
WGR-4	4/6/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**85**	**53**	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**170**	ND<5000	-	-	-	-	-	
15	**2.8**	-	-	ND<5	ND<5	ND<5	ND<10	**3900**	**4600**	-	-	-	-	-	
20	**1.5**	-	-	ND<5	ND<5	ND<5	ND<10	**2200**	**680**	-	-	-	-	-	
25	**0.91**	-	-	ND<5	ND<5	ND<5	ND<10	**1300**	**59**	-	-	-	-	-	
30	**7.5**	-	-	ND<5	ND<5	ND<5	ND<10	**11000**	**11000**	-	-	-	-	-	
35	**0.88**	-	-	**13**	**16**	**10**	**40**	**130**	ND<5	-	-	-	-	-	
40	**140**	-	-	ND<5	ND<5	**970**	ND<10	ND<25	-	-	-	-	-	-	
WGR-5	4/6/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**240**	**94**	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**120**	**85**	-	-	-	-	-	
20	**1.0**	-	-	ND<5	ND<5	ND<5	ND<10	**1200**	**870**	-	-	-	-	-	
25	**0.82**	-	-	ND<5	ND<5	ND<5	ND<10	**1100**	**240**	-	-	-	-	-	
30	**18**	-	-	ND<5	ND<5	ND<5	ND<10	**27000**	**29000**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**440**	**240**	-	-	-	-	-	
40	ND<0.50	-	-	**13**	ND<5	**970**	ND<10	ND<25	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
MW-10	3/23/2001								* All Constituents tested using EPA methods 8015M (TPH-g) and 8021B, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**130**	ND<5.0	-	-	-	-	-	
20	**0.62**	-	-	ND<5	ND<5	ND<5	ND<10	**870**	**470**	-	-	-	-	-	
25	**0.61**	-	-	ND<5	ND<5	ND<5	ND<10	**860**	**140**	-	-	-	-	-	
30	**13**	-	-	ND<5	ND<5	ND<5	ND<10	**25000**	**13000**	-	-	-	-	-	
35	**1.1**	-	-	**5.9**	ND<5	ND<5	ND<10	**1100**	**810**	-	-	-	-	-	
40	**1**	-	-	**89**	ND<5	**44**	**47**	**98**	**69**	-	-	-	-	-	
45	**3.1**	-	-	**240**	**620**	**62**	**360**	ND<25	-	-	-	-	-	-	
50	ND<0.50	-	-	**5.7**	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
MW-11	3/22/2001								* All Constituents tested using EPA methods 8015M (TPH-g) and 8021B, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**230**	**890**	-	-	-	-	-	
10	**0.65**	-	-	ND<5	ND<5	ND<5	ND<10	**990**	**1500**	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**210**	**990**	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**520**	**1500**	-	-	-	-	-	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**280**	**660**	-	-	-	-	-	
30	**1**	-	-	ND<5	ND<5	ND<5	ND<10	**1500**	**1700**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**46**	**180**	-	-	-	-	-	
40	**360**	-	-	**2600**	**18000**	**7400**	**45000**	ND<1300	-	-	-	-	-	-	
45	**3.1**	-	-	**130**	**400**	**130**	**530**	ND<25	-	-	-	-	-	-	
50	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
MW-12	6/11/2004								* All Constituents tested using EPA methods 8015M (TPH-g) and 8021B, unless otherwise noted						
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
30	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
40	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**190**	-	ND<50	ND<10	ND<10	ND<10	ND<250	
45	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	
50	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<5	-	ND<50	ND<10	ND<10	ND<10	ND<250	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
WGR-10	4/7/2000								* All Constituents tested using EPA methods 8015g (TPH-g) and 8020, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
20	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
25	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**400**	**51**	-	-	-	-	-	
30	**8.7**	-	-	ND<5	ND<5	ND<5	ND<10	**12000**	**14000**	-	-	-	-	-	
35	ND<0.50	-	-	**13**	**6.6**	**6.5**	ND<10	**78**	**16**	-	-	-	-	-	
40	**3.8**	-	-	**460**	**5.6**	**230**	**420**	**76**	**27**	-	-	-	-	-	
MW-8	3/23/2001								* All Constituents tested using EPA methods 8015M (TPH-g) and 8021B, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**35**	**27**	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	**0.98**	-	-	ND<5	ND<5	ND<5	ND<10	**1400**	**710**	-	-	-	-	-	
20	**1.40**	-	-	ND<5	ND<5	ND<5	ND<10	**1800**	**850**	-	-	-	-	-	
25	**11**	-	-	ND<5	ND<5	ND<5	ND<10	**8200**	**5100**	-	-	-	-	-	
30	**8.5**	-	-	ND<5	ND<5	ND<5	ND<10	**12000**	**11000**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**470**	**200**	-	-	-	-	-	
40	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
45	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
50	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
MW-9	3/22/2001								* All Constituents tested using EPA methods 8015M (TPH-g) and 8021B, unless otherwise noted						
5	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
10	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
15	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**620**	**540**	-	-	-	-	-	
20	**0.52**	-	-	ND<5	ND<5	ND<5	ND<10	**740**	**350**	-	-	-	-	-	
25	**5.7**	-	-	ND<5	ND<5	ND<5	ND<10	**9100**	**12000**	-	-	-	-	-	
30	**8.6**	-	-	ND<5	ND<5	ND<5	ND<10	**19000**	**20000**	-	-	-	-	-	
35	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	**200**	**430**	-	-	-	-	-	
40	**1.5**	-	-	**220**	**29**	**140**	**100**	**58**	**46**	-	-	-	-	-	
45	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	
50	ND<0.50	-	-	ND<5	ND<5	ND<5	ND<10	ND<25	-	-	-	-	-	-	

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
CPT-4	5/20/2010														
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
35	-	**54**	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
40	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
45	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
50	-	ND<5.0	ND<500	**64**	**28**	**6.8**	**18**	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
53	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
MW-13	5/24/2010														
5	-	**50**	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
35	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
40	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
45	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
50	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
55	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
60	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
MW-14	5/25/2010														
5	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	**5.7**	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
35	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
40	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
45	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
50	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp

TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
CPT-1	5/19/2010														
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	**1200**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
35	-	**1200**	**3600000**	ND<5000	**31000**	**44000**	**380000**	-	ND<5000	ND<50000	ND<10000	ND<10000	ND<10000	ND<500000	sp
40	-	**59**	**810**	**18**	**97**	**9.4**	**76**	-	**390 J**	**3600 J**	ND<10	ND<10	ND<10	ND<500	ml
45	-	ND<5.0	**69000**	ND<500	ND<500	**1000**	**4100**	-	ND<500	ND<5000	ND<1000	ND<1000	ND<1000	ND<50000	cl
50	-	ND<5.0	ND<500	**13**	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	cl
54	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
CPT-2	5/19/2010														
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
35	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
40	-	ND<5.0	**520**	ND<5.0	**23**	**6**	**27**	-	**440 J**	**3200 J**	ND<10	ND<10	ND<10	ND<500	sm
45	-	ND<5.0	**550**	ND<5.0	ND<5.0	ND<5.0	**28**	-	**56**	**210**	ND<10	ND<10	ND<10	ND<500	ml
50	-	**64**	**740000**	ND<2000	**5800**	**12000**	**69000**	-	ND<2000	ND<20000	ND<4000	ND<4000	ND<4000	ND<200000	ml
54	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
CPT-3	5/20/2010														
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	**3400**	**1200**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
35	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
40	-	ND<5.0	**800**	ND<5.0	**6**	**9.9**	**76**	-	**32**	ND<50	ND<10	ND<10	ND<10	ND<500	sm
45	-	**220**	**1100**	ND<5.0	ND<5.0	ND<5.0	**40**	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
50	-	**8.4**	**2500**	ND<5.0	**40**	**61**	**440**	-	**25**	ND<50	ND<10	ND<10	ND<10	ND<500	ml
53	-	ND<5.0	**1800**	ND<5.0	**9**	**15**	**89**	-	**14**	ND<50	ND<10	ND<10	ND<10	ND<500	sm

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
MW-1		Top of casing elevation (ft): 60.55						Screen Interval: 36 to 51												
	3/31/1997	39.39	0.29	21.38																
	6/11/1997		>3																	
	7/16/1997	42.38	3.55	20.87																
	10/3/1997	43.55	5.05	20.84																
	2/18/1998	43.40	5.07	21.00																
	6/12/1998	40.73	0.59	20.27																
	9/12/1998	40.12	0.14	20.54																
	9/20/1998	Top of casing elevation (ft): 57.62																		
	10/28/1998																			
	5/13/1999																			Not gauged/sampled
	8/19/1999	39.95	0.00	17.67	49.13															Sockease in well
	12/10/1999	39.83	0.11	17.87																
	3/28/2000	39.66	0.01	17.97																
	6/14/2000	39.51	0.01	18.12																
	9/5/2000	39.34	0.00	18.28	48.74															Not sampled
	12/12/2000	39.28	0.00	18.34	48.85															Not sampled
	3/14/2001	39.24	0.00	18.38	48.88															Not sampled
	6/21/2001	39.34	0.00	18.28	48.74															Not sampled
	8/21/2001	39.45	0.00	18.17	48.74	73000		120	2200	1600	6300		<10	<500	<20	<20	<20			
	12/27/2001	39.31	0.00	18.31	48.74	81000		920	5900	2800	17200		170	1100 J	<100	<100	<100			No purge sample
		Top of casing elevation (ft): 57.24																		
	3/21/2002	39.65	0.00	17.59	48.74	70000		780	3300	1900	13500		180 J	410 J	<500	<500	<500			No purge sample
	6/24/2002	39.92	0.00	17.32	48.74	74000		1500	5400	1800	13100		360	150 J	<100	<100	<100			No purge sample
	9/5/2002	39.86	0.00	17.38	48.74	69000		1200	5500	2400	12900		600	70 J	<100	<100	<100			No purge sample
	12/17/2002	40.05	0.00	17.19	48.74	120000		1300	7100	2600	18700		560	<500	<100	<100	<100			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003																			Well inaccessible
	6/27/2003	38.43	0.00	18.81		58000		660	2200	1500	10300		1300	<500	<100	<100	<100			No purge sample
	9/24/2003	38.62	0.00	18.62		45000		630	720	1300	9000		180	<500	<100	<100	<100			
	12/22/2003	38.37	0.00	18.87		57000		690	720	1500	4600		<50	<500	<100	<100	<100			
	3/31/2004	38.87	0.00	18.37		29000		970	3200	430	4800		410	<500	<100	<100	<100			
	6/24/2004																			Well inaccessible
	9/29/2004	39.41	0.00	17.83		32000		1600	4500	420	4800		190	<250	<50	<50	<50			
	11/18/2004	46.03	0.00	11.21		120000		4400	14000	2200	9700		470	<500	<100	<100	<100			
	3/30/2005	38.80	0.00	18.44		27000		180	2100	1700	5200		17	<10	<2.0	<2.0	<2.0			
	6/23/2005	38.07	0.00	19.17		16000		93	720	1400	1910		<25	<250	<50	<50	<50			
	9/28/2005	38.05	0.00	19.19		11000		53	130	940	535		<10	<100	<20	<20	<20			
	12/20/2005	38.28	0.00	18.96		3600		27	43	380	58		6.4	<50	<5.0	<5.0	<5.0			
	3/15/2006	38.23	0.00	19.01		7900		100	180	720	230		<5.0	<50	<5.0	<5.0	<5.0			
	6/21/2006	38.17	0.00	19.07		7400		20	250	780	630		<10	<50	<10	<10	<10			
	9/19/2006	38.38	0.00	18.86		26000		170	1200	1800	3100		<10	<100	<10	<10	<10			
	12/18/06	38.55	0.00	18.69	47.25	21000		140	380	2100	1700		<20	<200	<20	<20	<20			No purge sample
	03/20/07	38.53	0.00	18.71	47.25	29000		230	470	2300	2400		<20	<200	<20	<20	<20			
	06/21/07	38.57	0.00	18.67	47.25	9000		110	280	1200	940		<10	<100	<10	<10	<10			No purge sample
	09/27/07	38.70	0.00	18.54	47.15	11000		320	600	1600	910		<25	<250	<25	<25	<25			
	12/12/07	38.88	0.00	18.36	44.14	10000		740	940	1700	820		<20	<200	<20	<20	<20			
	03/26/08	38.53	0.00	18.71	44.19		20000	810	1600	1200	1670		<20	<200	<40	<40	<40			
	06/18/08	38.83	0.00	18.41	44.13		17000	300	300	1300	852		<20	<200	<40	<40	<40			
	09/22/08	39.64	0.00	17.60	47.97		19000	200	140	1100	590		<20	<200	<40	<40	<40			No purge sample
	12/23/08	40.02	0.00	17.22	48.01		120000	6300	28000	2600	12000		<20	<200	<40	<40	<40			No purge sample
	03/24/09	41.67	0.00	15.57	48.02		140000	4700	27000	2600	13000		<200	<2000	<400	<400	<400			
	06/18/09																			Stinger in well

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TABLE 2
SOIL ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPPH (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE 8020 (µg/kg)	MTBE 8260B (µg/kg)	TBA (µg/kg)	DIPE (µg/kg)	ETBE (µg/kg)	TAME (µg/kg)	ETHANOL (µg/kg)	USCS
MW-15	5/25/2010														
5	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
10	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
15	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
20	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
25	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp
30	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
35	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	ml
40	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sm
45	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	13	ND<50	ND<10	ND<10	ND<10	ND<500	sp
50	-	ND<5.0	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	ND<5.0	ND<50	ND<10	ND<10	ND<10	ND<500	sp

Notes:
ND = not detected
TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary butyl ether
TBA = tertiary butyl alcohol
DIPE = diisopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
*= The sample chromatographic pattern for TPH does not match the chromatographic pattern of the spacified standard.
Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
J= Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	12/12/07	38.14	0.00	18.57	48.39	370		<2.5	<2.5	<2.5	<5.0		<5.0	1400	<5.0	<5.0	<5.0			
	03/26/08	41.72	0.00	14.99	48.28		110	<0.50	<1.0	<1.0	<1.0		62	410	<2.0	<2.0	<2.0			
	06/18/08	47.25	0.00	9.46	48.37		84	<0.50	<1.0	<1.0	<1.0		2.7	<10	<2.0	<2.0	<2.0			
	09/22/08	38.84	0.00	17.87	49.02		910	1.1	<1.0	<1.0	<1.0		<1.0	2200	<2.0	<2.0	<2.0			No purge sample
	12/23/08	39.28	0.00	17.43	49.00		120	<0.50	<1.0	<1.0	<1.0		110	40	<2.0	<2.0	<2.0			No purge sample
	03/24/09	39.41	0.00	17.30	49.01		1200	5.8	3.1	3.7	<1.0		26	660	<2.0	<2.0	<2.0			
	06/18/09																			Stinger in well
	09/30/09	39.75	0.00	16.96	49.04		570	3.1	<1.0	3.0	<1.0		3.6	6800	<2.0	<2.0	<2.0			No purge sample
	12/29/09	39.76	0.00	16.95	49.25		260	<0.50	<1.0	<1.0	<1.0		<1.0	1300	<2.0	<2.0	<2.0			Ext. well
		Top of casing elevation (ft): 57.96																		
	03/04/10	39.44	0.00	18.52	49.04		210	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	830	ND<2.0	ND<2.0	ND<2.0			Ext. well
	06/25/10	38.88	0.00	19.08	49.00		140	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	2300	ND<2.0	ND<2.0	ND<2.0			
MW-3		**Top of casing elevation (ft): 60.64**						**Screen Interval: 36 to 51**												
	3/31/1997	42.05	0.00	18.59		16000		2500	1700	910	2700	<30								
	6/11/1997	42.33	0.00	18.31		56000		7700	13000	2500	9000	<2000								
	7/16/1997	42.05	0.00	18.59		55000		7200	10000	2200	7300	<2000								
	10/3/1997	40.15	0.00	20.49		15000		2800	2300	1000	1500	<800								
	2/18/1998	39.68	0.00	20.96		21100		4630	566	1600	858	<200								
	6/12/1998	39.39	0.00	21.25		12800		3160	351	1160	299	<1000								
	9/12/1998	39.31	0.00	21.33		5930		1580	5.4	635	20	<10								
		Top of casing elevation (ft): 57.60																		
	10/28/1998					1080		<0.3	<0.3	<0.3	<0.6	2220								
	3/1/1999	39.43	0.00	18.17	50.52	4100		167	6.1	240	10.1	75.1							0.4	
	5/13/1999	39.65	0.00	17.95	50.39	5340		552	5.2	500	11.9	139							1.9	No purge sample
	8/19/1999	39.82	0.00	17.78	50.40	10000		3400	17	1000	25	92	<10						2.5	No purge sample
	12/10/1999	39.99	0.00	17.61	50.40	6200		1300	60	350	70	95							1.1	No purge sample
	3/28/2000	39.90	0.00	17.70	50.38	4700		370	3.9	130	7.4	55	22						1.0	No purge sample
	6/14/2000	39.89	0.00	17.71	50.52	4800		730	<1.5	280	<3.0	100	24						2.2	No purge sample
	9/5/2000	39.75	0.00	17.85	50.50	2900		94	2.2	25	<3.0	120							1.8	No purge sample
	12/12/2000	39.71	0.00	17.89	50.54	2700		57	1.4	9.9	<2.0		29	120	3.3	<2.0	<2.0		1.7	No purge sample
	3/14/2001	39.69	0.00	17.91	50.50	3700		50	3.1	22	<2.0		80	<50	5.4	<2.0	<2.0		0.5	
	6/21/2001	39.87	0.00	17.73	50.52	3400		36	2.1	15	<2.0		57	120	3.7	<2.0	<2.0		1.4	No purge sample
	8/21/2001	39.80	0.00	17.80	50.52	<50		<0.5	<1	<1	<1		<1	<50	<2	<2	<2			
	12/27/2001	40.05	0.00	17.55	50.52	2000		23	<10	<10	<10		74	160 J	<20	<20	<20			No purge sample
		Top of casing elevation (ft): 57.21																		
	3/21/2002	40.04	0.00	17.17	50.52	1600		20	<5	5.3	<5		100	<250	<10	<10	<10			No purge sample
	6/24/2002	40.34	0.00	16.87	50.52	2500		21	1.6	4.4	1		190	150	7	<2	<2			No purge sample
	9/5/2002	40.38	0.00	16.83	50.52	2200		17	2	5	3		210	100	3	<2	<2			No purge sample
	12/17/2002	40.31	0.00	16.90	50.52	2700		15	<2.0	2.6	<2.0		270	<20	<4.0	<4.0	<4.0			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003																			Well inaccessible
	6/27/2003	38.26	0.00	18.95		1300		17	<2.0	4.3	<2.0		120	130	<4.0	<4.0	<4.0			No purge sample
	9/30/2003	38.30	0.00	18.91		2000		13	<1.0	1.3	<2.0		180	110	<2.0	<2.0	<2.0			
	12/22/2003	38.54	0.00	18.67		2000		8.4	<2.0	<2.0	<4.0		230	130	<4.0	<4.0	<4.0			
	3/31/2004	38.70	0.00	18.51		660		4.4	5.6	<2.0	9.6		390	180	<4.0	<4.0	<4.0			
	6/24/2004	39.41	0.00	17.80		390		9.5	5.6	<5.0	16.6		1200	240	<10	<10	<10			
	9/29/2004	39.52	0.00	17.69		680		19	6.5	12	12		1600	410	<10	<10	<10			
	11/17/2004	41.18	0.00	16.03		2400		88	28	52	50		1800	400	<20	<20	<20			
	3/30/2005	38.55	0.00	18.66		1200		<5.0	<10	<10	<20		830	220	<20	<20	<20			
	6/23/2005	37.81	0.00	19.40		250*		<5.0	<10	<10	<20		1300	270	<20	<20	<20			
	9/28/2005	37.83	0.00	19.38		510		<5.0	<10	<10	<20		1700	250	<20	<20	<20			

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	09/30/09	40.56	0.00	16.68	47.96		47000	2000	7700	1100	4700		<50	<500	<100	<100	<100			No purge sample
	12/29/09	40.53	0.00	16.71	47.92		62000	2700	8700	1900	6200		<50	<500	<100	<100	<100			Ext. well
		Top of casing elevation (ft): 58.97																		
	03/04/10	40.44	0.00	18.53	47.81		42000	1300	7700	1300	6100		ND<50	ND<500	ND<100	ND<100	ND<100			Ext. well
	06/25/10	40.09	0.00	18.88	48.06		51000	940	6200	1700	5900		ND<50	ND<500	ND<100	ND<100	ND<100			
MW-2		**Top of casing elevation (ft): 60.12**						**Screen Interval: 36 to 51**												
	3/31/1997	39.59	0.00	20.53		450		85	0.69	<0.3	2.3	<30								
	6/11/1997	39.75	0.00	20.37		6400		1200	800	120	540	<300								
	7/16/1997	39.66	0.00	20.46		15000		3600	2800	270	1800	<600								
	10/3/1997	39.40	0.00	20.72		13000		3400	110	640	1100	<300								
	2/18/1998	39.02	0.00	21.10		8800		2350	73	695	102	<100								
	6/12/1998	38.82	0.00	21.30		6800		2250	<15	747	<30	<1000								
	9/12/1998	38.67	0.00	21.45		3950		1000	6.4	391	24.4	110								
	9/20/1998	**Top of casing elevation (ft): 57.06**																		
	10/28/1998					<500		<0.3	<0.3	<0.3	<0.6	<5								
	3/1/1999	38.91	0.00	18.15	50.52	3560		283	<0.3	220	4.5	155	<5.0						1.5	
	5/13/1999	39.11	0.00	17.95	50.51	3040		246	<1.5	223	4.5	216	86.8						1.2	No purge sample
	8/19/1999	39.32	0.00	17.74	50.55	2200		120	<0.3	90	2.7	64							1.2	No purge sample
	12/10/1999	39.49	0.00	17.57	50.41	2700		29	5.2	47	8.4	200	150						1.8	No purge sample
	3/28/2000	39.31	0.00	17.75	50.56	2100		32	6.4	42	11	160	250						1.2	No purge sample
	6/14/2000	39.24	0.00	17.82	50.54	2400		67	41	120	52	230	330						1.1	No purge sample
	9/5/2000	39.00	0.00	18.06	50.48	1600		59	11	83	16	170	270						1.8	No purge sample
	12/12/2000	38.85	0.00	18.21	50.54	2500		130	40	79	38.4		110	<50	<2.0	<2.0	<2.0		1.2	No purge sample
	3/14/2001	38.98	0.00	18.08	50.51	3600		430	58	85	120		83	<50	<2.0	<2.0	<2.0		0.6	
	6/21/2001	39.23	0.00	17.83	50.53	5700		1300	23	130	32		170	<500	<20	<20	<20		1.4	No purge sample
	8/21/2001	39.25	0.00	17.81	50.53	1200		290	39	<25	<25		180	70 J	<50	<50	<50			
	12/27/2001	39.13	0.00	17.93	50.53	8300		2700	170	800	314		320	150 J	<50	<50	<50			No purge sample
		Top of casing elevation (ft): 56.71																		
	3/21/2002	39.44	0.00	17.27	50.53	5500		1500	100	430	320		290	<1200	<50	<50	<50			No purge sample
	6/24/2002	39.72	0.00	16.99	50.53	6100		1500	100	340	450		310	140 J	<20	<20	<20			No purge sample
	9/5/2002	39.79	0.00	16.92	50.53	6500		1500	73	420	540		210	100 J	<10	<10	<10			No purge sample
	12/17/2002	39.84	0.00	16.87	50.53	11000		1800	21	650	420		440	<200	<40	<40	<40			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003	37.60	0.00	19.11		12000		1300	430	470	1990		230	<200	<40	<40	<40			No purge sample
	6/27/2003	37.67	0.00	19.04																
	9/24/2003	37.62	0.00	19.09		1800		57	<5	24	<10		450	59	<10	<10	<10			
	12/22/2003	37.73	0.00	18.98		5900		500	<5	200	<10		130	95	<10	<10	<10			
	3/31/2004	38.25	0.00	18.46		8700		880	1100	110	1860		940	370	<10	<10	<10			
	6/24/2004	NM	NM																	Well inaccessible
	9/29/2004	38.60	0.00	18.11		1300		170	<10	79	<20		2800	5200	<20	<20	<20			
	11/17/2004	44.56	0.00	12.15		3400		110	29	35	213		5000	3300	<50	<50	<50			
	3/30/2005	37.93	0.00	18.78		3800		110	<25	160	<50		1900	4000	<50	<50	<50			
	6/23/2005	37.25	0.00	19.46		1100		18	<25	<25	<50		620	6300	<50	<50	<50			
	9/28/2005	39.39	0.00	17.32		810		5.6	<10	<10	<20		42	5400	<20	<20	<20			
	12/20/2005	37.35	0.00	19.36		630		<5.0	<5.0	<5.0	<10		<10	7000	<10	<10	<10			
	3/15/2006	37.35	0.00	19.36		690		<5.0	<5.0	<5.0	<10		<10	5800	<10	<10	<10			
	6/21/2006	37.31	0.00	19.40		250		<0.50	<0.50	<0.50	<1.0		1.8	4600	<1.0	<1.0	<1.0			
	9/19/2006	37.68	0.00	19.03		170		<2.5	<2.5	<2.5	<5.0		<5.0	2100	<5.0	<5.0	<5.0			
	12/18/06	37.82	0.00	18.89	48.25	460		<0.50	<0.50	<0.50	<1.0		2.0	2200	<1.0	<1.0	<1.0			No purge sample
	03/20/07	37.84	0.00	18.87	48.31	580		<5.0	<5.0	<5.0	<10		<10	1600	<10	<10	<10			
	06/21/07	36.91	0.00	19.80	48.34	400		<2.0	<2.0	<2.0	<4.0		<4.0	1400	<4.0	<4.0	<4.0			No purge sample
	09/27/07	37.94	0.00	18.77	48.37	430		<1.2	<1.2	<1.2	<2.5		<2.5	1200	<2.5	<2.5	<2.5			

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HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	3/15/2006	43.20	0.00	15.34		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	6/21/2006	43.13	0.00	15.41		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	9/19/2006	43.37	0.00	15.17		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	12/18/06	43.51	0.00	15.03	52.77	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			No purge sample
	03/20/07	43.60	0.00	14.94	52.86	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	06/21/07	43.61	0.00	14.93	52.86	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			No purge sample
	09/27/07	43.98	0.00	14.56	52.87	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	12/12/07	43.82	0.00	14.72	52.85	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	03/26/08	43.87	0.00	14.67	52.81		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	06/18/08	43.97	0.00	14.57	52.85		<50	<0.50	<1.0	<1.0	<1.0		1.1	<10	<2.0	<2.0	<2.0			
	09/22/08	44.08	0.00	14.46	53.15		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	12/23/08	44.40	0.00	14.14	53.15		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	03/24/09	44.65	0.00	13.89	53.16		74	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	06/18/09				44.10															Well dry
	09/30/09	44.69	0.00	13.85	52.71		120	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	12/29/09	44.77	0.00	13.77	53.09		51	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	Top of casing elevation (ft): 63.23																			
	03/04/10	41.83	0.00	21.40	52.65		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/25/10	44.58	0.00	18.65	51.89		720	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
MW-5	**Top of casing elevation (ft): 57.40**							**Screen Interval: 31 to 46**												
	10/28/1998					<500		1	<0.3	<0.3	0.9	<5								
	3/1/1999	38.88	0.00	18.52	50.15	<500		<0.3	<0.3	<0.3	<0.6	6.3							0.7	
	5/13/1999	38.98	0.00	18.42	50.11	<500		<0.3	<0.3	<0.3	<0.6	<5.0							1.5	No purge sample
	8/19/1999	39.14	0.00	18.26	50.17	<500		<0.3	<0.3	<0.3	<0.6	10							2.7	No purge sample
	12/10/1999	39.34	0.00	18.06	50.04	<500		<0.3	<0.3	<0.3	<0.6	8.4							1.1	No purge sample
	3/28/2000	38.97	0.00	18.43	50.14	<500		<0.3	<0.3	<0.3	<0.6	<5.0							1.4	No purge sample
	6/14/2000	38.56	0.00	18.84	50.12	<500		<0.3	<0.3	<0.3	<0.6	<5.0							2.1	No purge sample
	9/5/2000	38.45	0.00	18.95	50.10	<500		<0.3	<0.3	<0.3	<0.6	<5.0							2.9	No purge sample
	12/12/2000	38.42	0.00	18.98	50.13	<500		<0.50	<1.0	<1.0	<2.0		<1.0	<50	<2.0	<2.0	<2.0		1.7	No purge sample
	3/14/2001	38.01	0.00	19.39	50.12	<500		<0.50	<1.0	<1.0	<2.0		<1.0	<50	<2.0	<2.0	<2.0		2.3	
	6/21/2001	38.47	0.00	18.93	50.15	<100		<0.50	<1.0	<1.0	<2.0		<1.0	<50	<2.0	<2.0	<2.0		2.2	No purge sample
	8/21/2001	38.55	0.00	18.85	50.15	<50		<0.5	1.5	<1	<1		<1	<50	<2	<2	<2			
	12/27/2001	38.67	0.00	18.73	50.15	<50		<0.5	<1	<1	<1		<1	<50	<2	<2	<2			No purge sample
	Top of casing elevation (ft): 57.02																			
	3/21/2002	37.72	0.00	19.30	50.15	<50		<0.5	<1	<1	<1		<1	<50	<2	<2	<2			No purge sample
	6/24/2002	38.89	0.00	18.13	50.15	<50		<0.5	<1	<1	<1		<1	<50	<2	<2	<2			No purge sample
	9/5/2002	37.98	0.00	19.04	50.15	<50		<0.5	<1	<1	<1		<1	<50	<2	<2	<2			No purge sample
	12/17/2002	39.19	0.00	17.83	50.15	<50		<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	3/26/2003	39.13	0.00	17.89	50.15	<50		<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	6/25/2003	39.21	0.00	17.81	50.15	<50		<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	6/27/2003	39.29	0.00	17.73	50.15															
	9/24/2003	39.35	0.00	17.67		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	12/22/2003	39.45	0.00	17.57		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	3/31/2004	39.51	0.00	17.51		<50		0.59	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	6/24/2004	39.92	0.00	17.10		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	9/29/2004	40.15	0.00	16.87		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	11/17/2004	40.25	0.00	16.77		<50		0.55	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	3/30/2005	39.57	0.00	17.45		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	6/23/2005	38.85	0.00	18.17		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	9/28/2005	38.90	0.00	18.12		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	12/20/2005	39.08	0.00	17.94		<50		<0.50	0.85	<0.50	1.7		<1.0	<10	<1.0	<1.0	<1.0			
	3/15/2006	38.91	0.00	18.11		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	12/20/2005	38.18	0.00	19.03		730		<5.0	<5.0	<5.0	<10		1500	180	<10	<10	<10			
	3/15/2006	38.12	0.00	19.09		3000		<5.0	<5.0	<5.0	<10		2000	100	<10	<10	<10			
	6/21/2006	38.20	0.00	19.01		910		<10	<10	<10	<20		1700	290	<20	<20	<20			
	9/19/2006	38.34	0.00	18.87		1400		<10	<10	<10	<20		1500	230	<20	<20	<20			
	12/18/06	38.53	0.00	18.68	48.17	900		<0.50	<5.0	<5.0	<10		1400	380	<10	<10	<10			No purge sample
	03/20/07	38.61	0.00	18.60	48.23	750		<5.0	<5.0	<5.0	<10		1100	480	<10	<10	<10			
	06/21/07	38.70	0.00	18.51	48.23	1200		<5.0	<5.0	<5.0	<10		1800	610	<10	<10	<10			No purge sample
	09/27/07	38.87	0.00	18.34	48.21	770		<5.0	<5.0	<5.0	<10		940	660	<10	<10	<10			
	12/12/07	38.84	0.00	18.37	48.19	850		<5.0	<5.0	<5.0	<10		1200	1300	<10	<10	<10			
	03/26/08	40.32	0.00	16.89	48.19		690	<0.50	<1.0	<1.0	<1.0		650	750	<2.0	<2.0	<2.0			
	06/18/08	37.53	0.00	19.68	48.15		540	<5.0	<10	<10	<10		310	360	<20	<20	<20			
	09/22/08	39.61	0.00	17.60	49.10		740	<5.0	<10	<10	<10		470	740	<20	<20	<20			No purge sample
	12/23/08	39.98	0.00	17.23	49.10		660	<2.5	<5.0	<5.0	<5.0		540	230	<10	<10	<10			No purge sample
	03/24/09	**39.71**	**0.00**	**17.50**	**48.98**		1800	52	<5.0	<5.0	<5.0		370	750	<10	<10	<10			
	06/18/09																			Stinger in well
	09/30/09	40.51	0.00	16.70	49.05		300	<1.0	<2.0	<2.0	<2.0		190	160	<4.0	<4.0	<4.0			No purge sample
	12/29/09	40.66	0.00	16.55	48.98		180	<0.50	<1.0	<1.0	<1.0		120	95	<2.0	<2.0	<2.0			Ext. well
	Top of casing elevation (ft): 58.57																			
	03/04/10	40.24	0.00	18.33	48.83		170	ND<0.50	ND<1.0	ND<1.0	ND<1.0		170	170	ND<2.0	ND<2.0	ND<2.0			Ext. well
	06/25/10	39.47	0.00	19.10	48.87		93	ND<0.50	ND<1.0	ND<1.0	ND<1.0		63	ND<10	ND<2.0	ND<2.0	ND<2.0			
MW-4	**Top of casing elevation (ft): 58.94**							**Screen Interval: 36 to 51**												
	10/28/1998					3770		572	66.2	32	481	51.9								
	3/1/1999																			Car parked on well
	5/13/1999	40.70	0.00	18.24	50.90	2820		560	7.1	2.7	170	80.0							1.5	No purge sample
	8/19/1999	40.85	0.00	18.09	50.94	2300		450	9.0	0.8	62	80							2.8	No purge sample
	12/10/1999	41.09	0.00	17.85	50.95	1900		290	2.7	<0.3	30	79							0.8	No purge sample
	3/28/2000	40.97	0.00	17.97	50.91	1600		210	2.0	0.4	11	56	58						1.0	No purge sample
	6/14/2000	40.92	0.00	18.02	50.92	1200		180	2.0	<0.3	2.2	82	67						1.0	No purge sample
	9/5/2000	40.79	0.00	18.15	50.90	870		110	1.3	<0.3	1.3	96							1.7	No purge sample
	12/12/2000	40.75	0.00	18.19	50.92	660		140	1.2	<1.0	<2.0		63	<50	<2.0	<2.0	<2.0		1.4	No purge sample
	3/14/2001	40.63	0.00	18.31	50.90	1100		230	1.9	<1.0	1.9		70	<50	<2.0	<2.0	<2.0		0.7	
	6/21/2001	40.75	0.00	18.19	50.89	100		1.9	<1.0	<1.0	<2.0		45	<50	<2.0	<2.0	<2.0		1.4	No purge sample
	8/21/2001	40.72	0.00	18.22	50.89	360		51	<1	<1	<1		190	<50	<2	<2	<2			
	12/27/2001	40.00	0.00	18.94	50.89	220		31	<1	<1	1.6		55	<50	<2	<2	<2			No purge sample
	Top of casing elevation (ft): 58.54																			
	3/21/2002	41.00	0.00	17.54	50.89	260		34	<1	<1	<1		55	<50	<2	<2	<2			No purge sample
	6/24/2002	41.14	0.00	17.40	50.89	300		35	<1	<1	<1		50	<50	<2	<2	<2			No purge sample
	9/5/2002	41.31	0.00	17.23	50.89	200		18	2	<1	2		44	<50	<2	<2	<2			No purge sample
	12/17/2002	41.32	0.00	17.22	50.89	220		20	<1.0	<1.0	1.2		36	<10	<2.0	<2.0	<2.0			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003	43.37	0.00	15.17		73		5.9	<1.0	<1.0	<1.0		26	<10	<2.0	<2.0	<2.0			No purge sample
	6/27/2003	43.47	0.00	15.07																
	9/24/2003	43.45	0.00	15.09		60		3.9	<1.0	<1.0	<2.0		27	16	<2.0	<2.0	<2.0			
	12/22/2003	43.65	0.00	14.89		<50		3.4	<1.0	<1.0	<2.0		26	16	<2.0	<2.0	<2.0			
	3/31/2004	43.73	0.00	14.81		<50		3	<1.0	<1.0	<2.0		24	13	<2.0	<2.0	<2.0			
	6/24/2004	44.15	0.00	14.39		<50		1.4	<1.0	<1.0	<2.0		13	<10	<2.0	<2.0	<2.0			
	9/29/2004	44.40	0.00	14.14		<50		<0.50	<1.0	<1.0	<2.0		9.5	<10	<2.0	<2.0	<2.0			
	11/17/2004	44.89	0.00	13.65		<50		<0.50	<1.0	<1.0	<2.0		5.8	<10	<2.0	<2.0	<2.0			
	3/30/2005	43.80	0.00	14.74		<50		<0.50	<1.0	<1.0	<2.0		1.3	<10	<2.0	<2.0	<2.0			
	6/23/2005	43.10	0.00	15.44		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	9/28/2005	43.02	0.00	15.52		<50		<0.50	<1.0	<1.0	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	12/20/2005	43.20	0.00	15.34		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	9/19/2006	48.54	0.00	8.79		390		150	0.60	2.1	2.9		<1.0	10	<1.0	<1.0	<1.0			
	12/18/06	48.42	0.00	8.91	50.30	920		310	<2.5	18	10		<5.0	<50	<5.0	<5.0	<5.0			No purge sample
	03/20/07	48.39	0.00	8.94	50.02	630		590	<2.5	17	5.6		<5.0	<50	<5.0	<5.0	<5.0			
	06/21/07	48.30	0.00	9.03	50.02	2300		87	<0.50	3.2	<1.0		<1.0	19	<1.0	<1.0	<1.0			No purge sample
	09/27/07	48.50	0.00	8.83	50.01	350		50	<0.50	<0.50	<1.0		<1.0	34	<1.0	<1.0	<1.0			
	12/12/07	48.35	0.00	8.98	50.00	400		42	<1.0	1.3	<2.0		<2.0	26	<2.0	<2.0	<2.0			
	03/26/08	46.89	0.00	10.44	50.14		380	72	<1.0	2.9	<1.0		<1.0	19	<2.0	<2.0	<2.0			
	06/18/08	48.20	0.00	9.13	50.00		460	41	<1.0	1.1	<1.0		<1.0	20	<2.0	<2.0	<2.0			
	09/22/08	48.25	0.00	9.08	50.25		590	160	<1.0	3.0	<1.0		<1.0	16	<2.0	<2.0	<2.0			No purge sample
	12/23/08	48.99	0.00	8.34	50.22		270	0.95	<1.0	<1.0	<1.0		<1.0	21	<2.0	<2.0	<2.0			No purge sample
	03/24/09	49.01	0.00	8.32	50.09		580	<0.50	<1.0	<1.0	<1.0		<1.0	17	<2.0	<2.0	<2.0			
	06/18/09	49.38	0.00	7.95	50.00		470	<0.50	<1.0	<1.0	<1.0		<1.0	19	<2.0	<2.0	<2.0	<100		
	09/30/09	49.35	0.00	7.98	50.01		440	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	12/29/09	49.51	0.00	7.82	50.14		380	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
		Top of casing elevation (ft): 59.96																		
	03/04/10	49.55	0.00	10.41	50.15		500	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/25/10	49.41	0.00	10.55	50.08		570	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
MW-7		**Top of casing elevation (ft): 57.16**						**Screen Interval: 31 to 46**												
	10/28/1998					64900		11000	14600	2890	10900									
	3/1/1999	39.32	0.02	17.86																Not Sampled
	5/13/1999	39.43	0.02	17.75																
	8/19/1999	39.60	0.02	17.58																
	12/10/1999	39.67	0.00	17.49	45.93	110000		8100	24000	4000	22000	<500							1.3	No purge sample
	3/28/2000	39.62	0.01	17.55																
	6/14/2000	39.64	0.00	17.52	46.04	82000		7000	12000	2800	11000	520	87						1.0	No purge sample
	9/5/2000	39.46	0.01	17.71		88000		8600	15000	2300	17000	<250							1.9	Traces of SPH while bailing
	12/12/2000	39.50	0.00	17.66	46.05	83000		11000	17000	3300	10500		370	<5000	<200	<200	<200		0.3	No purge sample
	3/14/2001	39.63	0.00	17.53	45.98	88000		13000	21000	4500	13700		1000	<5000	<200	<200	<200		1.0	Sheen
	6/21/2001	39.58	0.04	17.61																
	8/21/2001	39.68	0.03	17.50																
	12/27/2001	39.85	0.04	17.34																
		Top of casing elevation (ft): 56.78																		
	3/21/2002	39.98	0.09	16.87																
	6/24/2002	40.11	0.01	16.68		37000		2600	1400	1700	3500		220	180 J	<50	<50	<50			No purge sample
	9/5/2002	40.24	0.12	16.64																SPH, no sxs collected
	12/17/2002	40.38	0.30	16.64																SPH, no sxs collected
	3/26/2003	40.62	0.58	16.62																SPH, no sxs collected
	6/25/2003	40.60	0.59	16.65																SPH, no sxs collected
	6/27/2003	40.65	0.54	16.56																SPH, no sxs collected
	9/24/2003	40.50	0.12	56.88																SPH, no sxs collected
	12/22/2003	41.20	1.34	57.85																SPH, no sxs collected
	3/31/2004	41.21	0.95	16.33																SPH, no sxs collected
	6/24/2004	40.96	0.33	16.08																SPH, no sxs collected
	9/29/2004	41.14	3.00	18.04		97000		330	7500	380	24700		480	<500	<100	<100	<100			
	11/17/2004	42.78	0.00	14.00		100000		450	13000	5000	26700		720	<500	<100	<100	<100			
	3/30/2005	41.10	0.00	56.78		65000		<50	4300	9000	51000		370	<1000	<200	<200	<200			
	6/23/2005	40.42	0.00	16.36		59000*		28	460	1700	8800		410	<250	<50	<50	<50			
	9/28/2005	42.88	0.00	13.90		39000		83	250	940	3700		430	<200	<40	<40	<40			
	12/20/2005	40.93	0.00	15.85		54000		280	600	2500	14000		1300	<1000	<100	<100	<100			
	3/15/2006	40.85	0.00	15.93		42000		380	100	110	3700		1800	<1000	<100	<100	<100			
	6/21/2006	40.88	0.00	15.90		58000		260	55	1000	4000		1900	760	<10	<10	<10			
	9/19/2006	41.25	0.00	15.53		<1200		<12	<12	<12	<25		<25	13000	<25	<25	<25			

TABLE 3
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SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	6/21/2006	38.98	0.00	18.04		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	9/19/2006	39.35	0.00	17.67		<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	12/18/06	39.48	0.00	17.54	50.04	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			No purge sample
	03/20/07	39.59	0.00	17.43	50.04	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	06/21/07	39.72	0.00	17.30	49.98	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			No purge sample
	09/27/07	39.95	0.00	17.07	49.99	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	12/12/07	40.02	0.00	17.00	50.02	<50		<0.50	<0.50	<0.50	<1.0		<1.0	<10	<1.0	<1.0	<1.0			
	03/26/08	39.77	0.00	17.25	49.98		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	06/18/08	39.88	0.00	17.14	50.01		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	09/22/08	40.30	0.00	16.72	50.03		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	12/23/08	40.48	0.00	16.54	50.00		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	03/24/09	40.59	0.00	16.43	50.05		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
	06/18/09	40.86	0.00	16.16	50.13		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0	<100		
	09/30/09	40.96	0.00	16.06	49.98		**<50**	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			No purge sample
	12/29/09	41.10	0.00	15.92	50.31		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
		Top of casing elevation (ft): 59.66																		
	03/04/10	40.80	0.00	18.86	50.00		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/25/10	40.79	0.00	18.87	50.00		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
MW-6		**Top of casing elevation (ft): 57.72**						**Screen Interval: 36 to 51**												
	10/28/1998																			
	3/1/1999				50.23															Dry well
	5/13/1999				50.23															Dry well
	8/19/1999	49.93	0.00		50.26															Dry well
	12/10/1999	45.72	0.00	12.00	50.14	56000		6500	13000	1400	6400	<100							0.4	No purge sample
	3/28/2000	40.43	0.00	17.29	50.25	41000		5500	4000	1500	4600	<250							1.1	No purge sample
	6/14/2000	39.84	0.00	17.88	50.25	51000		5900	6900	1500	4400	940	<50						1.0	No purge sample
	9/5/2000	39.60	0.00	18.12	50.10	26000		4600	1500	1300	2700	<250							1.6	No purge sample
	12/12/2000	39.54	0.00	18.18	50.26	30000		4700	1900	1100	2460		<50	<2500	<100	<100	<100		1.1	No purge sample
	3/14/2001	40.00	0.00	17.72	50.24	43000		5600	5300	1800	3900		<50	<2500	<100	<100	<100		0.4	
	6/21/2001	39.69	0.00	18.03	50.08	15000		3400	670	970	880		<50	<2500	<100	<100	<100		1.4	No purge sample
	8/21/2001	39.70	0.00	18.02	50.08	23000		4800	2700	1400	700		<25	<1200	<50	<50	<50			
	12/27/2001	30.19	0.00	27.53	50.08	28000		4800	4100	1400	3140		<50	190 J	<100	<100	<100			No purge sample
		Top of casing elevation (ft): 57.33																		
	3/21/2002	30.41	0.00	26.92	50.08	19000		3400	1900	1200	2430		<50	<2500	<100	<100	<100			No purge sample
	6/24/2002	30.94	0.00	26.39	50.08	23000		4400	1900	1400	2640		<50	170 J	<100	<100	<100			No purge sample
	9/5/2002	41.36	0.00	15.97	50.08	20000		3500	1100	1100	1700		<50	100 J	<100	<100	<100			No purge sample
	12/17/2002	43.00	0.00	14.33	50.08	20000		4300	1300	1300	1560		<20	<200	<40	<40	<40			No purge sample
	3/26/2003	44.39	0.00	12.94	50.08	12000		3900	97	1000	880		<50	<500	<100	<100	<100			No purge sample
	6/25/2003	43.17	0.00	14.16	50.08	9300		3400	69	500	430		<50	<500	<100	<100	<100			No purge sample
	6/27/2003	43.25	0.00	14.08	50.08															
	9/24/2003	49.95	0.00	7.38		690		100	2.1	11	22		<1.0	82	<2.0	<2.0	<2.0			
	12/22/2003	46.02	0.00	11.31		5000		140	<1.0	38	<2.0		<1.0	100	<2.0	<2.0	<2.0			
	3/31/2004	47.06	0.00	10.27		900		200	<1.0	89	<2.0		<1.0	27	<2.0	<2.0	<2.0			
	6/24/2004	48.04	0.00	9.29		540		170	<2.0	26	<4.0		<2.0	<20	<4.0	<4.0	<4.0			
	9/29/2004	49.14	0.00	8.19		21000		37	1.4	130	<2.0		<1.0	190	<2.0	<2.0	<2.0			
	11/17/2004	49.89	0.00	7.44		1500*		420	2.8	20	4.2		<1.0	75	<2.0	<2.0	<2.0			
	3/30/2005	49.10	0.00	8.23		1700		250	<2.0	45	<4.0		<2.0	54	<4.0	<4.0	<4.0			
	6/23/2005	48.54	0.00	8.79		630		11	<1.0	2.9	<2.0		<1.0	13	<2.0	<2.0	<2.0			
	9/28/2005	48.64	0.00	8.69		2700		200	1.4	34	<2.0		<1.0	<10	<2.0	<2.0	<2.0			
	12/20/2005	48.72	0.00	8.61		2400		59	2.4	17	2.9		<1.0	<10	<1.0	<1.0	<1.0			
	3/15/2006	48.85	0.00	8.48		2800		260	<5.0	18	12		<10	<100	<10	<10	<10			
	6/21/2006	48.61	0.00	8.72		1200		140	0.84	7.1	1.4		<1.0	11	<1.0	<1.0	<1.0			

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	12/29/09	40.00	0.00	17.15	48.98		1900	11	<1.0	1.4	<1.0		41	1400	<2.0	<2.0	<2.0			Ext. well
		Top of casing elevation (ft): 58.39																		
	03/04/10	39.73	0.00	18.66	48.82		920	ND<1.0	ND<2.0	ND<2.0	ND<2.0		8.0	610	ND<4.0	ND<4.0	ND<4.0			Ext. well
	06/25/10	39.42	0.00	18.97	48.84		1400	ND<1.0	ND<2.0	ND<2.0	ND<2.0		ND<2.0	1600	ND<4.0	ND<4.0	ND<4.0			
MW-9		**Top of casing elevation (ft): unknown**						**Screen Interval: 20 to 50**												
	9/14/2001	40.74	0.38																	
	12/27/2001	40.25	0.25																	
		Top of casing elevation (ft): 56.78																		
	3/21/2002	40.15	0.59	17.10																
	6/24/2002	39.82	0.04	16.99																
	9/5/2002	39.96	0.04	16.85																
	12/17/2002	40.25	0.28	16.75																
	3/26/2003																			Well inaccessible
	6/25/2003	37.88	0.00	18.90		70000		1800	4500	1400	13000		9100	<1000	<200	<200	<200			No purge sample
	6/27/2003	37.90	0.00	18.88																
	9/24/2003	37.85	0.00	18.93		99000		3500	11000	2500	16700		12000	1600	<200	<200	<200			
	12/22/2003	38.07	0.00	18.71		140000		2600	8400	2100	15200		10000	1200	<200	<200	<200			
	3/31/2004	38.51	0.00	18.27		39000		1500	2700	1300	7100		5200	<1000	<200	<200	<200			
	6/24/2004	NM	NM																	Well inaccessible
	9/29/2004	43.97	0.00	12.81		1800		<25	<50	<50	<100		3900	630	<100	<100	<100			
	11/17/2004	47.49	0.00	9.29																Iufficient Water
	3/30/2005	38.10	0.27	18.90																Free Product
	6/23/2005	38.29	1.04	19.32																Free Product
	9/28/2005	38.37	0.24	18.60																Free Product
	12/20/2005	35.86	0.22	21.10																Free Product
	3/15/2006	37.60	0.05	19.22																Free Product
	6/21/2006	37.80	0.24	19.17																Free Product
	9/19/2006	37.76	0.26	19.23																Free Product
	12/18/06	38.13	0.18	18.61																
	03/20/07	38.15	0.12	18.72																
	06/21/07	38.21	0.02	18.59																
	09/27/07	38.40	0.09	18.45																
	12/12/07	38.56	0.13	18.32																
	03/26/08	38.61	0.07	18.22																No sample taken
	06/18/08	39.56	0.08	17.28																No sample taken
	09/22/08	40.13	0.00	16.65	48.69		74000	970	2900	2000	21700		11000	11000	<40	<40	<40			No purge sample
	12/23/08	40.19	0.00	16.59	48.75		100000	1200	620	1500	20000		11000	18000	<200	<200	<200			No purge sample
	03/24/09	40.10	0.00	16.68	48.62		55000	210	<100	110	4800		9400	14000	<200	<200	<200			
	06/18/09																			Stinger in well
	09/30/09	40.13	0.00	16.65	48.74		22000	1300	<100	170	710		7800	13000	<200	<200	<200			No purge sample
	12/29/09	40.13	0.00	16.65	48.75		45000	1200	<100	180	3800		8100	11000	<200	<200	<200			Ext. well
		Top of casing elevation (ft): 58.11																		
	03/04/10	39.89	0.00	18.22	48.63		29000	900	62	500	3500		5800	7300	ND<100	ND<100	ND<100			Ext. well
	06/25/10	39.21	0.00	18.90	48.56		44000	780	ND<50	770	3000		7000	13000	ND<100	ND<100	ND<100			
MW-10		**Top of casing elevation (ft): unknown**						**Screen Interval: 20 to 50**												
	9/14/2001	39.96	0.00			42000		4700	52	1900	970		28000	1200 J	<100	<100	<100			No purge sample
	12/27/2001	40.12	0.00			7800		530	<50	230	<50		6600	9600	<100	<100	<100			No purge sample
		Top of casing elevation (ft): 57.66																		
	3/21/2002	40.20	0.00	17.46		16000		2900	<50	1500	<50		9800	240 J	<100	<100	<100			No purge sample
	6/24/2002	40.38	0.00	17.28		21000		3400	<50	1800	<50		9700	1100 J	<100	<100	<100			No purge sample
	9/5/2002	40.54	0.00	17.12		13000		1600	<50	930	<50		5600	980 J	<100	<100	<100			No purge sample

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	12/18/06	40.14	0.00	16.64	45.79	6700		23	<5.0	120	45		1200	750	<10	<10	<10			No purge sample
	03/20/07	40.25	0.00	16.53	42.23	11000		20	7.7	380	990		1700	1000	<10	<10	<10			
	06/21/07	40.33	0.00	16.45	42.24	4800		<20	<20	96	<40		2000	1200	<40	<40	<40			No purge sample
	09/27/07	40.38	0.00	16.40	42.50	3500		6.3	<5.0	76	16		1600	660	<10	<10	<10			
	12/12/07	40.84	0.00	15.94	42.52	2800		<5.0	<5.0	60	10		1400	790	<10	<10	<10			
	03/26/08	40.72	0.00	16.06	42.60		2600	2.7	<1.0	21	1.2		1300	560	<2.0	<2.0	<2.0			
	06/18/08	40.51	0.00	16.27	42.50		4000	100	<20	130	25		1400	710	<40	<40	<40			
	09/22/08	40.59	0.00	16.19	42.50		3300	91	15	35	27.5		1600	830	<2.0	<2.0	<2.0			No purge sample
	12/23/08	41.96	0.00	14.82	42.48		2500	12	<20	<20	35		830	530	<40	<40	<40			No purge sample
	03/24/09	41.40	0.00	15.38	42.59		2500	11	<10	27	19		370	810	<20	<20	<20			
	06/18/09	41.12	0.00	15.66	42.60		6600	18	2.2	330	600		120	500	<4.0	<4.0	<4.0	<200		
	09/30/09	41.26	0.00	15.52	42.55		6000	32	<2.0	230	330		100	770	<4.0	<4.0	<4.0			No purge sample
	12/29/09	41.38	0.00	15.40	42.77		4600	9.8	<2.0	140	150		150	880	<4.0	<4.0	<4.0			
		Top of casing elevation (ft): 59.41																		
	03/04/10	41.12	0.00	18.29	42.63		3400	11	ND<2.0	190	280		120	800	ND<4.0	ND<4.0	ND<2.0			
	06/25/10	39.82	0.00	19.59	41.81		1400	19	ND<2.0	17	6.9		610	1200	ND<4.0	ND<4.0	ND<4.0			
MW-8		**Top of casing elevation (ft): unknown**						**Screen Interval: 20 to 50**												
	9/14/2001	39.50	0.00			67000		7000	13000	2700	5800		15000	390 J	<200	<200	<200			No purge sample
	12/27/2001	39.61	0.00			58000		8400	9700	3200	4800		8600	330 J	<500	<500	<500			No purge sample
		Top of casing elevation (ft): 57.15																		
	3/21/2002	39.65	0.00	17.50		41000		5900	5600	2800	3590		6500	<5000	<200	<200	<200			No purge sample
	6/24/2002	39.33	0.00	17.82		57000		8000	8900	3300	4470		5900	350 J	<200	<200	<200			No purge sample
	9/5/2002	39.93	0.00	17.22		44000		5400	3700	2200	2500		9800	400 J	<200	<200	<200			No purge sample
	12/17/2002	40.02	0.00	17.13		43000		6300	2200	3200	3000		4400	<500	<100	<100	<100			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003																			Well inaccessible
	6/27/2003	37.94	0.00	19.21		73000		5300	19000	3000	10000		89	<500	<100	<100	<100			No purge sample
	9/24/2003	38.05	0.00	19.10		47000		4800	5300	3000	4090		89	<500	<100	<100	<100			
	12/22/2003	37.97	0.00	19.18		48000		4400	2000	2800	3400		<50	<500	<100	<100	<100			
	3/31/2004	38.24	0.00	18.91		58000		3600	1500	1300	9100		<50	<500	<100	<100	<100			
	6/24/2004	38.64	0.00	18.51		27000		1600	5700	350	4800		240	<1000	<200	<200	<200			
	9/29/2004	39.33	0.00	17.82		32000		1300	7400	680	4600		540	<1000	<200	<200	<200			
	11/17/2004	39.19	0.00	17.96		29000		1300	7300	900	3600		430	<500	<100	<100	<100			
	3/30/2005	38.15	0.00	19.00		25000		1800	1800	2800	2658		390	210	<40	<40	<40			
	6/23/2005	37.39	0.00	19.76		20000		1700	920	2900	1933		730	290	<40	<40	<40			
	9/28/2005	39.47	0.00	17.68		18000		1000	250	2000	980		510	1400	<40	<40	<40			
	12/20/2005	37.57	0.00	19.58		10000		650	110	1400	570		460	1800	<10	<10	<10			
	3/15/2006	37.54	0.00	19.61		9800		470	54	110	220		320	2800	<20	<20	<20			
	6/21/2006	37.53	0.00	19.62		4800		310	50	740	200		230	4000	<10	<10	<10			
	9/19/2006	37.84	0.00	19.31		10000		450	98	1600	320		300	1300	<50	<50	<50			
	12/18/06	37.02	0.00	20.13	48.05	9100		330	57	1400	170		220	980	<10	<10	<10			No purge sample
	03/20/07	37.84	0.00	19.31	48.14	7100		530	41	1500	29		160	390	<20	<20	<20			
	06/21/07	37.90	0.00	19.25	48.15	9100		510	100	1300	480		370	1700	<20	<20	<20			No purge sample
	09/27/07	38.24	0.00	18.91	48.10	6500		480	51	1100	220		230	740	<10	<10	<10			
	12/12/07	38.25	0.00	18.90	48.14	6500		550	130	1200	650		410	1500	<10	<10	<10			
	03/26/08	38.43	0.00	18.72	48.22		8400	150	180	520	260		400	260	<10	<10	<10			
	06/18/08	38.49	0.00	18.66	48.10		4300	200	10	400	<5.0		280	970	<10	<10	<10			
	09/22/08	39.04	0.00	18.11	48.86		5800	190	9.4	640	7.0		180	1000	<10	<10	<10			No purge sample
	12/23/08	39.42	0.00	17.73	48.82		6500	280	69	220	<5.0		32	64	<10	<10	<10			No purge sample
	03/24/09	39.99	0.00	17.16	48.83		5400	270	8.3	150	<5.0		20	64	<10	<10	<10			
	06/18/09																			Stinger in well
	09/30/09	40.00	0.00	17.15	48.87		1600	39	<2.0	<2.0	<2.0		170	790	<4.0	<4.0	<4.0			No purge sample

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	3/15/2006	43.65	0.00	13.27		210000		7800	15000	5000	16000		4400	<5000	<500	<500	<500			
	6/21/2006	43.41	0.00	13.51		190000		440	1200	2100	13000		4200	<1000	<100	<100	<100			
	9/19/2006	43.41	0.00	13.51																Iufficient Water
	12/18/06	43.56	0.00	13.36	44.09															Iufficient water
	03/20/07	43.16	0.00	13.76	43.52															
	06/21/07	43.21	0.00	13.71	43.51															Iufficient water
	09/27/07	43.70	0.00	13.22	44.11	30000		260	74	340	1400		2000	1900	<10	<10	<10			
	12/12/07	44.11	0.00	12.81	44.18															Iufficient water
	03/26/08	44.10	0.00	12.82	44.20															Iufficient water
	06/18/08	43.84	0.00	13.08	43.90															Iufficient water
	09/22/08	43.92	0.00	13.00	44.07		31000	400	<50	630	1770		220	<500	<100	<100	<100			No purge sample
	12/23/08	43.90	0.00	13.02	43.98															Iufficient water
	03/24/09				44.17															Well Dry
	06/18/09				44.23															Well Dry
	09/30/09	43.86	0.01	13.07	44.30		90000	1900	4100	3100	15000		1700	680	<100	<100	<100			No purge sample
	12/29/09	45.27	0.11	11.65																
	01/05/10	45.27	0.20	11.95																
	02/23/10	45.27	0.11	12.14																
		Top of casing elevation (ft): 59.55																		
	03/04/10	44.89	0.14	14.77																
	04/23/10	44.56	0.16	15.11																
	05/20/10	44.02	0.10	15.61																
	06/25/10	42.27	0.05	17.32																
MW-12		**Top of casing elevation (ft): 56.10**						**Screen Interval: 35 to 50**												
	11/17/2004	50.25	0.00	5.85																Iufficient Water
	3/30/2005	50.05	0.00	6.05																Iufficient Water
	6/23/2005	50.03	0.00	6.07																Iufficient Water
	9/28/2005	49.67	0.00	6.43																Iufficient Water
	12/20/2005	49.85	0.00	6.25																Iufficient Water
	3/15/2006	49.62	0.00	6.48																Iufficient Water
	6/21/2006	49.63	0.00	6.47		67		<0.50	<0.50	<0.50	<1.0		19	<10	<1.0	<1.0	<1.0			
	9/19/2006	49.40	0.00	6.70																Iufficient Water
	12/18/06	49.63	0.00	6.47	50.12															Iufficient water
	03/20/07	49.47	0.00	6.63	50.15															
	06/21/07	49.54	0.00	6.56	50.13															Iufficient water
	09/27/07	49.50	0.00	6.60	50.15	110		<0.50	<0.50	<0.50	<1.0		81	14	<1.0	<1.0	<1.0			
	12/12/07	49.06	0.00	7.04	49.48	<50		<0.50	<0.50	<0.50	<1.0		51	20	2.4	<1.0	<1.0			
	03/26/08	49.50	0.00	6.60	50.13		<50	<0.50	<1.0	<1.0	<1.0		8.9	23	<2.0	<2.0	<2.0			
	06/18/08	49.65	0.00	6.45	50.18		73	<0.50	<1.0	<1.0	<1.0		29	<10	5.4	<2.0	<2.0			
	09/22/08	49.42	0.00	6.68	50.25		91	<0.50	<1.0	<1.0	<1.0		2.3	<10	2.7	<2.0	<2.0			No purge sample
	12/23/08	49.30	0.00	6.80	50.22		<50	<0.50	<1.0	<1.0	<1.0		1.5	<10	2.6	<2.0	<2.0			No purge sample
	03/24/09	**49.25**	**0.00**	**6.85**	50.06		270	0.70	<1.0	<1.0	<1.0		50	<10	6.8	<2.0	<2.0			
	06/18/09	49.15	0.00	6.95	50.30		<50	<0.50	<1.0	<1.0	<1.0		1.5	10	<2.0	<2.0	<2.0	<100		
	09/30/09	48.95	0.00	7.15	50.18		54	<0.50	<1.0	<1.0	<1.0		1.5	<10	<2.0	<2.0	<2.0			No purge sample
	12/29/09	49.12	0.00	6.98	50.32		<50	<0.50	<1.0	<1.0	<1.0		<1.0	<10	<2.0	<2.0	<2.0			
		Top of casing elevation (ft): 58.73																		
	03/04/10	49.40	0.00	9.33	50.21		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0		ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0			
	06/25/10	47.65	0.00	11.08	50.15		340	ND<0.50	ND<1.0	ND<1.0	ND<1.0		240	100	15	ND<2.0	ND<2.0			
MW-13		**Top of casing elevation (ft): 60.03**						**Screen Interval: UNKNOWN**												
	06/10/10	54.82	0.00	5.21	58.78															
	06/25/10	54.99	0.00	5.04	59.01		84	ND<0.50	ND<1.0	ND<1.0	ND<1.0		56	ND<10	ND<2.0	ND<2.0	ND<2.0			

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
	12/17/2002	40.53	0.00	17.13		5800		690	<10	540	<10		900	<100	<20	<20	<20			No purge sample
	3/26/2003																			Well inaccessible
	6/25/2003																			Well inaccessible
	6/27/2003	38.39	0.00	19.27		1100		17	<1.0	16	<1.0		26	<10	<2.0	<2.0	<2.0			No purge sample
	9/24/2003	38.77	0.00	18.89		3200		69	<1.2	42	<2.0		400	110	<2.0	<2.0	<2.0			
	12/22/2003	38.40	0.00	19.26		1700		9.6	<1.0	4.2	<2.0		130	53	<2.0	<2.0	<2.0			
	3/31/2004	38.77	0.00	18.89		690		27	2.69	22	15.2		110	120	<2.0	<2.0	<2.0			
	6/24/2004	39.52	0.00	18.14		900		110	4.4	6.5	12.6		1100	190	<2.0	<2.0	<2.0			
	9/29/2004	39.39	0.00	18.27		2100		11	<1.0	1.2	<2.0		400	100	<2.0	<2.0	<2.0			
	11/17/2004	39.72	0.00	17.94		1100		15	7.6	<5.0	<10		1300	230	<10	<10	<10			
	3/30/2005	38.54	0.00	19.12		1100		<5.0	<10	<10	<20		1800	260	<20	<20	<20			
	6/23/2005	38.12	0.00	19.54		670*		<10	<20	<20	<40		2800	390	<40	<40	<40			
	9/28/2005	40.22	0.00	17.44		1200		<10	<20	<20	<40		1900	630	<40	<40	<40			
	12/20/2005	38.21	0.00	19.45		1500		<10	<10	<10	<20		2600	1000	<20	<20	<20			
	3/15/2006	38.11	0.00	19.55		2500		<10	<10	<10	<20		2300	1400	<20	<20	<20			
	6/21/2006	38.13	0.00	19.53		1200		<10	<10	<10	<20		1500	2100	<20	<20	<20			
	9/19/2006	38.20	0.00	19.46		1100		<2.5	<2.5	<2.5	<5.0		620	2200	<5.0	<5.0	<5.0			
	12/18/06	38.34	0.00	19.32	48.09	600		<1.0	<1.0	<1.0	<2.0		150	1500	<2.0	<2.0	<2.0			No purge sample
	03/20/07	38.42	0.00	19.24	48.05	350		<1.0	<1.0	<1.0	<2.0		69	1700	<2.0	<2.0	<2.0			
	06/21/07	38.61	0.00	19.05	48.07	620		0.93	<0.50	<0.50	<1.0		40	1600	<1.0	<1.0	<1.0			No purge sample
	09/27/07	38.63	0.00	19.03	48.06	510		<5.0	<5.0	<5.0	<10		31	1300	<10	<10	<10			
	12/12/07	38.79	0.00	18.87	48.08	310		<0.50	<0.50	<0.50	<1.0		23	1300	<1.0	<1.0	<1.0			
	03/26/08	38.84	0.00	18.82	48.10		430	<0.50	<1.0	<1.0	<1.0		8.9	1700	<2.0	<2.0	<2.0			
	06/18/08	38.89	0.00	18.77	48.05		450	<0.50	<1.0	<1.0	<1.0		17	610	<2.0	<2.0	<2.0			
	09/22/08	39.70	0.00	17.96	48.70		520	<0.50	<1.0	<1.0	<1.0		3.0	590	<2.0	<2.0	<2.0			No purge sample
	12/23/08	40.77	0.00	16.89	48.64		550	0.61	<1.0	<1.0	<1.0		140	90	<2.0	<2.0	<2.0			No purge sample
	03/24/09	40.62	0.00	17.04	48.74		560	<0.50	<1.0	<1.0	<1.0		71	82	<2.0	<2.0	<2.0			
	06/18/09																			Stinger in well
	09/30/09	40.62	0.00	17.04	48.68		260	<0.50	<1.0	<1.0	<1.0		46	240	<2.0	<2.0	<2.0			No purge sample
	12/29/09	40.56	0.00	17.10	48.72		350	<0.50	<1.0	<1.0	<1.0		53	250	<2.0	<2.0	<2.0			Ext. well
		Top of casing elevation (ft): 58.97																		
	03/04/10	40.38	0.00	18.59	48.78		260	ND<0.50	ND<1.0	ND<1.0	ND<1.0		12	270	ND<2.0	ND<2.0	ND<2.0			Ext. well
	06/25/10	40.25	0.00	18.72	48.81		340	ND<0.50	ND<1.0	ND<1.0	ND<1.0		2.9	500	ND<2.0	ND<2.0	ND<2.0			
MW-11		**Top of casing elevation (ft): unknown**						**Screen Interval: 35 to 50**												
	9/14/2001																			Dry well
	12/27/2001																			Dry well
		Top of casing elevation (ft): 56.92																		
	3/21/2002																			Dry well
	6/24/2002																			Dry well
	9/5/2002																			Dry well
	12/17/2002	42.15	0.00	14.77		1000000		8000	35000	19000	75000		<1000	<10000	<2000	<2000	<2000			
	3/26/2003	42.96	0.21	14.13																
	6/25/2003	43.66	0.02	13.28		660000		9900	66000	68000	287000		<1000	<10000	<2000	<2000	<2000			
	6/27/2003	43.66	0.02	13.28																
	9/24/2003	NM	NM																	Dry Well
	12/22/2003	44.06	0.00	12.86																Dry Well
	9/29/2004	44.17	0.00	12.75																Dry Well
	11/17/2004	44.21	0.00	12.71																Iufficient Water
	3/30/2005	43.95	0.00	12.97																Iufficient Water
	6/23/2005	43.57	0.00	13.35		110000		8000	9000	3200	9900		3400	<1000	<200	<200	<200			
	9/28/2005	43.71	0.00	13.21		300000		7600	11000	3800	11500		2600	<1000	<200	<200	<200			
	12/20/2005	43.75	0.00	13.17		110000		7900	12000	4600	13000		4200	<1000	<100	<100	<100			

TABLE 4
DEPTH DISCRETE GROUNDWATER ANALYTICAL DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

Sample ID and Depth (feet)	TPH-G	TPH-D (µg/L)	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8020 (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	COMMENTS
CPT-1	5/19/2010														
45	-	**250**	**2100**	**84**	**370**	**100**	**540**	-	**67**	**96**	ND<4.0	ND<4.0	ND<4.0	ND<200	
60	-	**390**	**55**	**2.9**	**2.6**	**1.1**	**4.9**	-	**1.1**	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100	
CPT-2	5/19/2010														
60	-	**250**	**90**	**0.81**	**8**	**4.4**	**20**	-	**11**	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100	
CPT-3	5/20/2010														
45	-	**150**	**380**	**3.3**	ND<1.0	ND<1.0	ND<1.0	-	**35**	**130**	ND<2.0	ND<2.0	ND<2.0	ND<100	
60	-	**92**	ND<50	**0.52**	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100	
CPT-4	5/20/2010														
45	-	**110**	**270**	**1.9**	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	**53**	ND<2.0	ND<2.0	ND<2.0	ND<100	
60	-	**250**	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100	

Notes:
ND = not detected
TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary butyl ether
TBA = tertiary butyl alcohol
DIPE = diisopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
*= The sample chromatographic pattern for TPH does not match the chromatographic pattern of the spacified standard.
Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
J= Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

TABLE 3
HISTORICAL GROUNDWATER DATA
SHELL SERVICE STATION
18502 Beach Blvd., Huntington Beach

WELL	DATE	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	COMMENTS
MW-14		**Top of casing elevation (ft): 60.03**						**Screen Interval: UNKNOWN**												
	06/10/10				50.63															Well dry
	06/25/10				50.20															Well dry
MW-15		**Top of casing elevation (ft): 60.11**						**Screen Interval: UNKNOWN**												
	06/10/10	42.08	0.00	18.03	49.68															
	06/25/10	41.82	0.00	18.29	49.86		350	ND<0.50	ND<1.0	ND<1.0	ND<1.0		240	ND<10	ND<2.0	ND<2.0	ND<2.0			

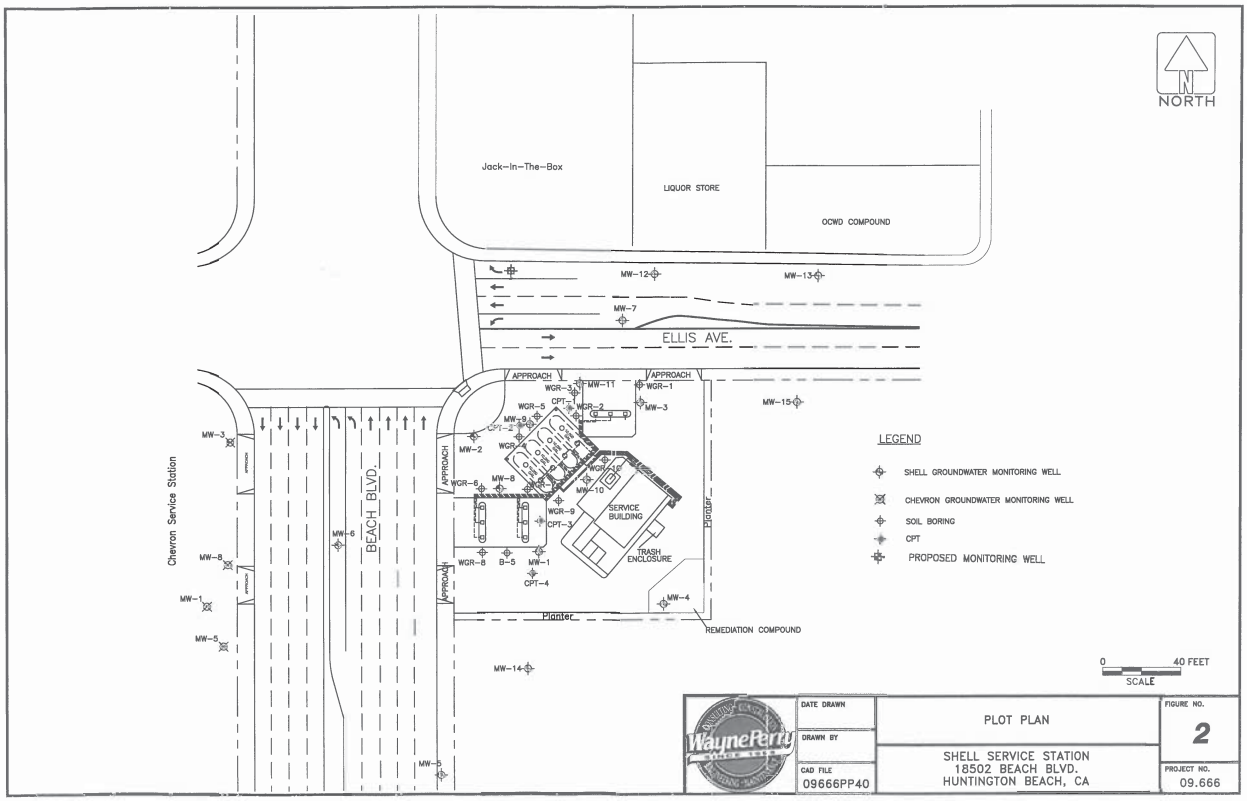
Notes:
1. ND - Not detected
2. ug/L - micrograms per liter
3. TPH-G - Total petroleum hydrocarbo as gasoline
4. MTBE - Methyl-tert butyl ether
5. TBA - Tert-butyl alcohol
6. DIPE - Di-isopropyl ether
7. ETBE - Ethyl tert-butyl ether
8. TAME - Tert-amyl methyl ether
9. DO - Dissolved oxygen
10. J - Estimated value between the Method Detection Limit and the Practical Quantitation Limit
11. When separate-phase hydrocarbo are present, groundwater elevation is adjusted using the relation: Corrected Groundwater Elevation = Top-of-casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).
12. Data prior to August 21, 2001 provided by Wayne Perry, Inc.
13. Site resurveyed on February 27, 2002. Survey data provided by WGR Southwest, Inc.
14. Beginning in 4Q05, TPH-g concentratio obtained via GC/MS.

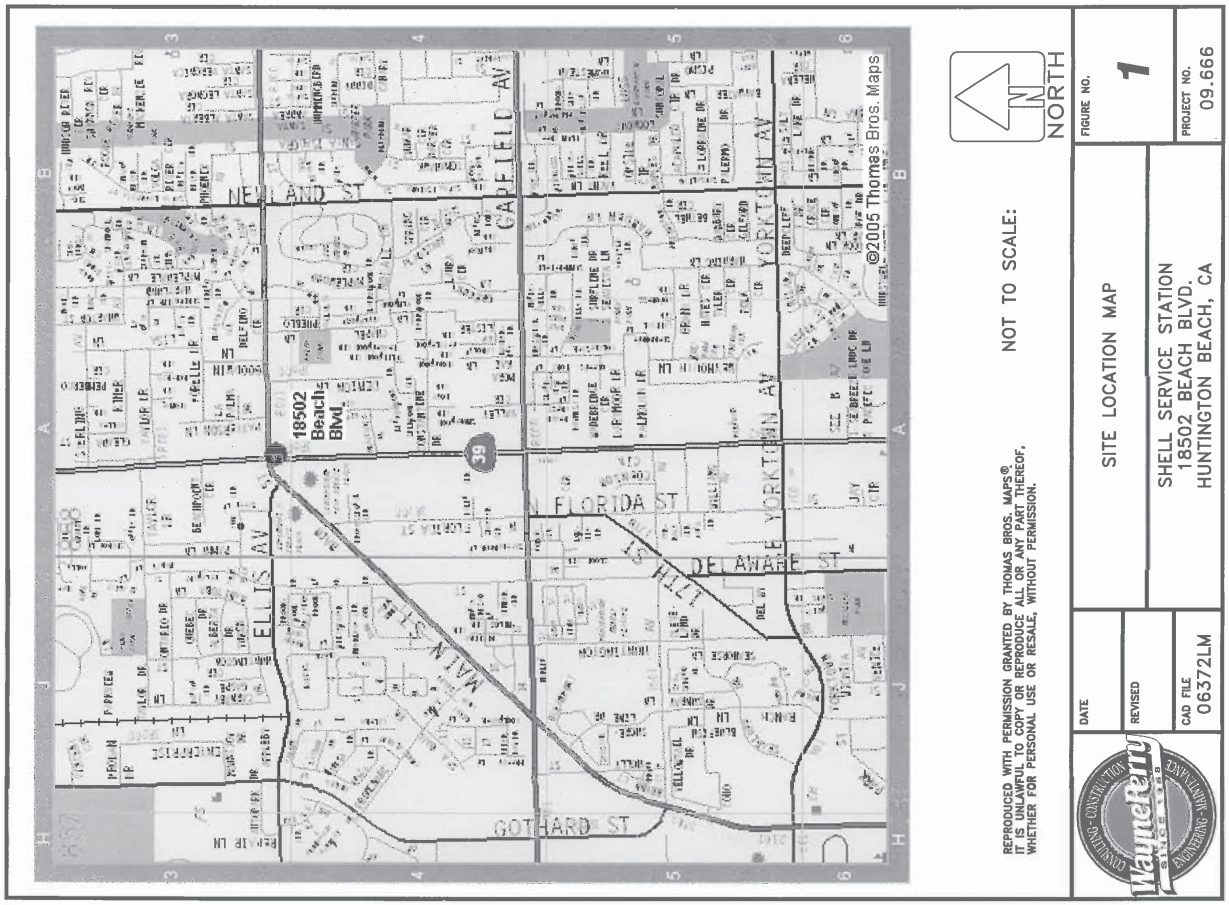
FIGURES

TABLE 5
PHYSICAL PROPERTIES DATA
Shell Service Station
18502 Beach Blvd., Huntington Beach, CA

				POROSITY (2)				25 PSI CONFINING PRESSURE				
SAMPLE ID	DEPTH (FEET)	MOISTURE CONTENT (% by weight)	DRY BULK DENSITY (g/cm^3)	TOTAL (cm^3/cm^3)	AIR FILLED (cm^3/cm^3)	TOTAL ORGANIC CARBON (mg/kg)	FRACTION ORGANIC CARBON (g/g)	EFFECTIVE PERMEABILITY TO AIR (2) (millidarcy)	EFFECTIVE PERMEABILITY TO AIR (4) (millidarcy)	HYDRAULIC CONDUCTIVITY (5) (cm/s)	EFFECTIVE PERMEABILITY TO WATER (4,5) (millidarcy)	HYDRAULIC CONDUCTIVITY (4,5) (cm/s)
CPT1d10	10	12.1	1.47	0.451	0.274	1500	1.50E-03	2802	-	1.69E-04	-	-
CPT1d25	25	4	1.47	44.5	38.7	-	-	-	4191	-	-	-
CPT1d50	50	39.3	1.19	54.8	8	-	-	-	-	-	1.13	1.16E-06
CPT4d10	10	5.3	1.45	0.46	0.383	600	6.00E-04	7061	-	3.27E-04	-	-
CPT4d25	25	3.3	1.49	43.7	38.8	-	-	-	7722	-	-	-
CPT4d53	53	6.4	1.41	47.2	38.2	-	-	-	-	-	1931	1.98E-03

NOTES:
- : Sample not anaylzed
(2) : Total Porosity=no pore fluids in place; all interconnected pore channels; Air filled=pore cannels not occupied by pore fluids.
(4) : Native state or effective= With as-received pore fluids in place.
(5) : Permeability to water and hydraulic conductivity measured at saturated conditions.


NORTH
Jack-In-The-Box
LIQUOR STORE
OCWD COMPOUND
ELLIS AVE.
BEACH BLVD.
Chevron Service Station
APPROACH
SERVICE BUILDING
TRASH ENCLOSURE
Planter
REMEDIATION COMPOUND
LEGEND
SHELL GROUNDWATER MONITORING WELL
CHEVRON GROUNDWATER MONITORING WELL
SOIL BORING
CPT
PROPOSED MONITORING WELL
0 40 FEET
SCALE
DATE DRAWN
DRAWN BY
CAD FILE
09666PP40
PLOT PLAN
SHELL SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA
FIGURE NO.
2
PROJECT NO.
09.666


NEWLAND ST
CAPEFIELD AV
YORKTOWN AV
18502 Beach Blvd.
N FLORIDA ST
DELAWARE ST
ELLIS AV
MAIN ST
GOTHARD ST
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NORTH
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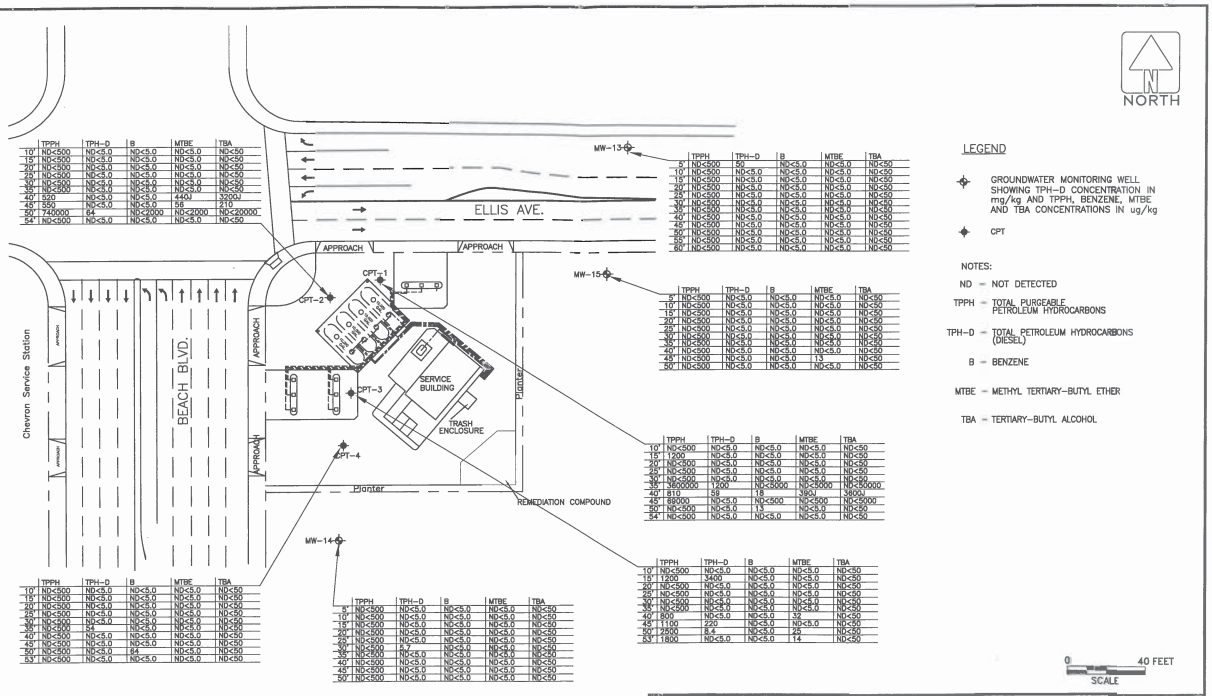
SITE LOCATION MAP
SHELL SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA
FIGURE NO.
1
PROJECT NO.
09.666
DATE
REVISED
CAD FILE
06372LM



	TPPH	TPH-D	B	MTBE	TBA
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
45'	500	ND<5.0	ND<5.0	440J	320U
48'	550	ND<5.0	ND<5.0	56	210
50'	740000	64	ND<2000	ND<2000	ND<20000
54'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

	TPPH	TPH-D	B	MTBE	TBA
5'	ND<500	50	ND<5.0	ND<5.0	ND<50
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
45'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
50'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
55'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
60'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

	TPPH	TPH-D	B	MTBE	TBA
5'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
45'	ND<500	ND<5.0	ND<5.0	13	ND<50
50'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

	TPPH	TPH-D	B	MTBE	TBA
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	1200	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	3800000	1200	ND<5000	ND<5000	ND<50000
40'	810	58	18	380J	360U
45'	68000	ND<5.0	ND<500	ND<500	ND<5000
50'	ND<500	ND<5.0	13	ND<5.0	ND<50
54'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

	TPPH	TPH-D	B	MTBE	TBA
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	1200	3400	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	800	ND<5.0	ND<5.0	32	ND<50
45'	1100	220	ND<5.0	ND<5.0	ND<50
50'	2200	8.4	ND<5.0	28	ND<50
53'	1800	ND<5.0	ND<5.0	14	ND<50

	TPPH	TPH-D	B	MTBE	TBA
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
45'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
50'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
53'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

	TPPH	TPH-D	B	MTBE	TBA
5'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
10'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
15'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
20'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
25'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
30'	ND<500	5.7	ND<5.0	ND<5.0	ND<50
35'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
40'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
48'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50
50'	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<50

LEGEND

GROUNDWATER MONITORING WELL SHOWING TPH-D CONCENTRATION IN mg/kg AND TPPH, BENZENE, MTBE AND TBA CONCENTRATIONS IN ug/kg

CPT

NOTES:

ND = NOT DETECTED

TPPH = TOTAL PURGEABLE PETROLEUM HYDROCARBONS

TPH-D = TOTAL PETROLEUM HYDROCARBONS (DIESEL)

B = BENZENE

MTBE = METHYL TERTIARY-BUTYL ETHER

TBA = TERTIARY-BUTYL ALCOHOL

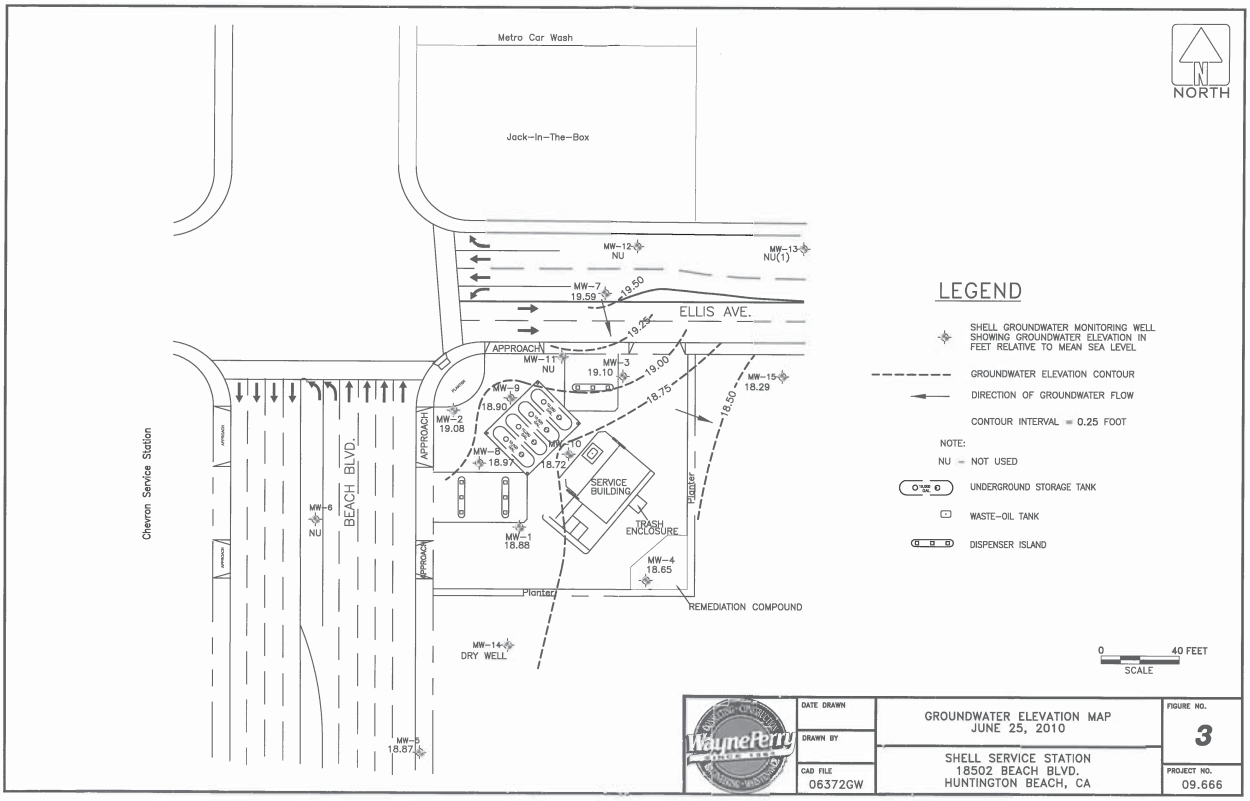
DATE DRAWN	
DRAWN BY	
CAD FILE	09666HDS

HYDROCARBON DISTRIBUTION IN SOIL MAP

SHELL SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA

FIGURE NO. 4

PROJECT NO. 09.666



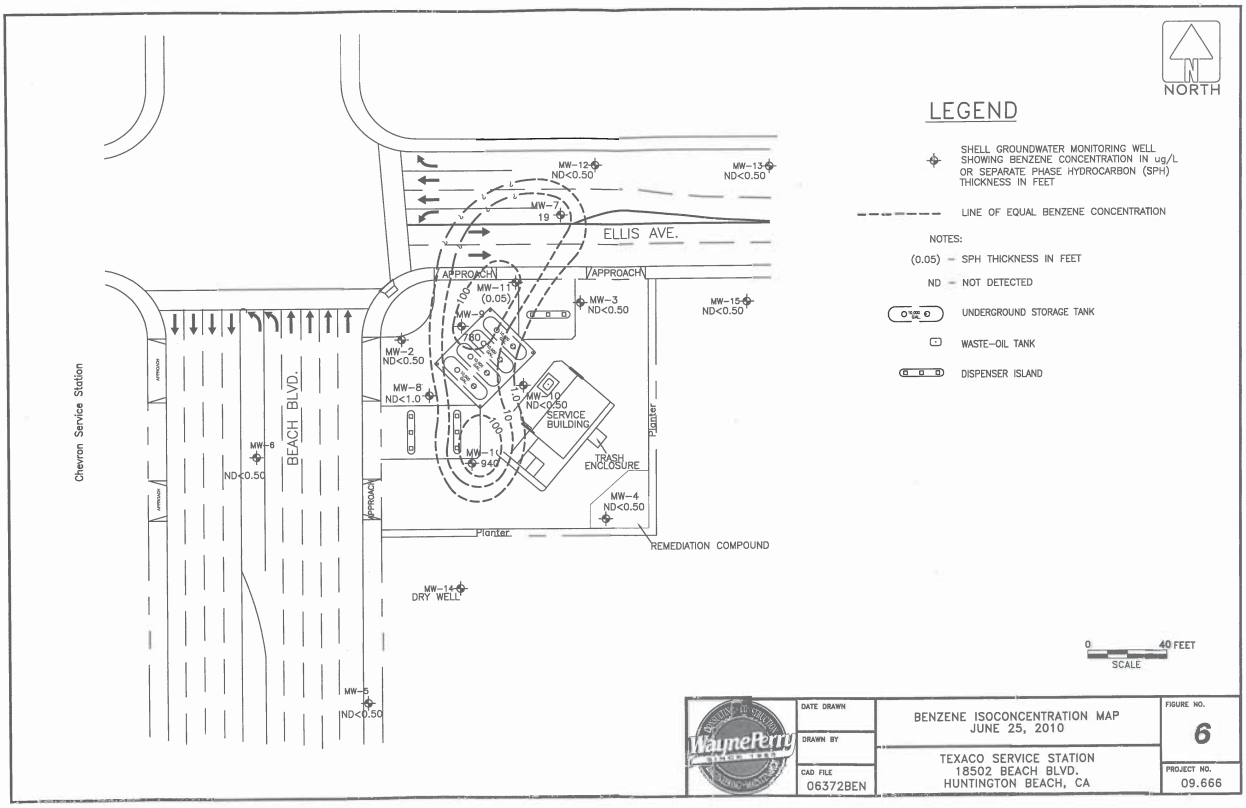
DATE DRAWN	
DRAWN BY	
CAD FILE	06372GW

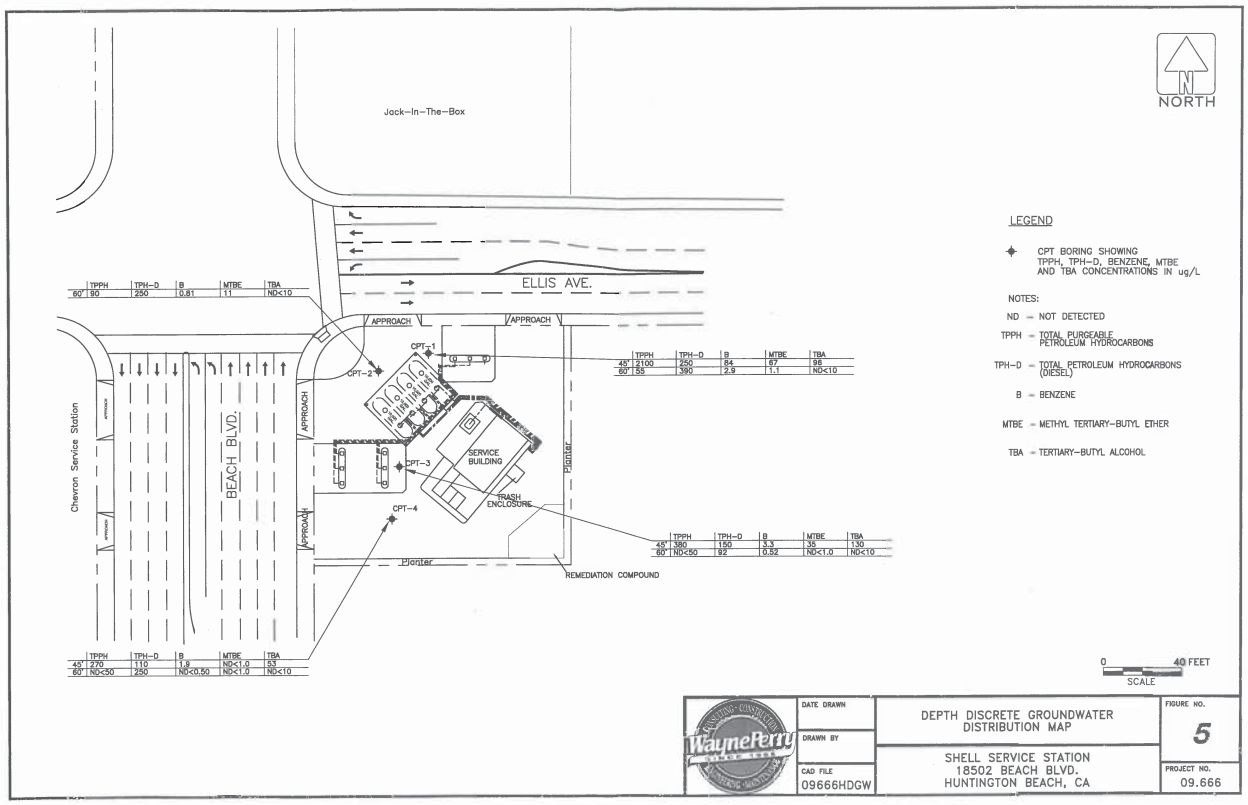
GROUNDWATER ELEVATION MAP
JUNE 25, 2010

SHELL SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA

FIGURE NO. 3

PROJECT NO. 09.666



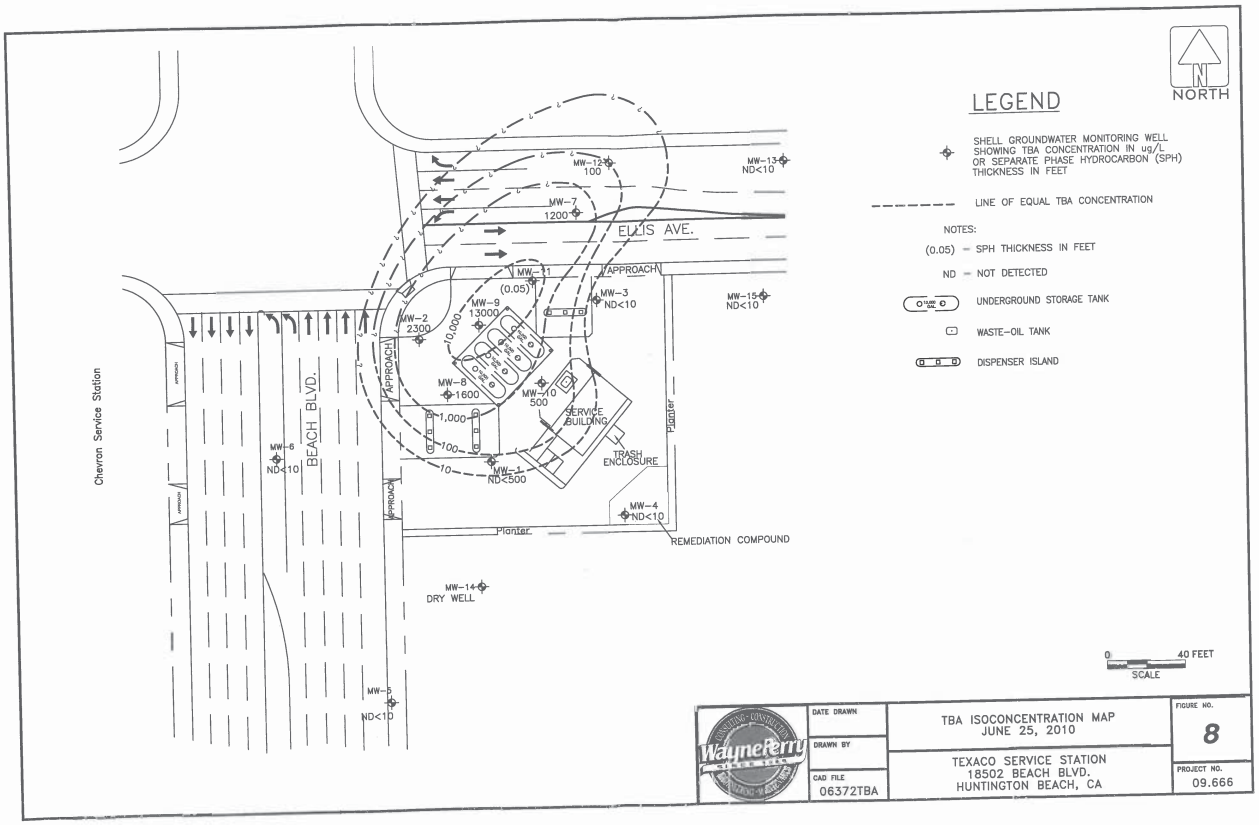


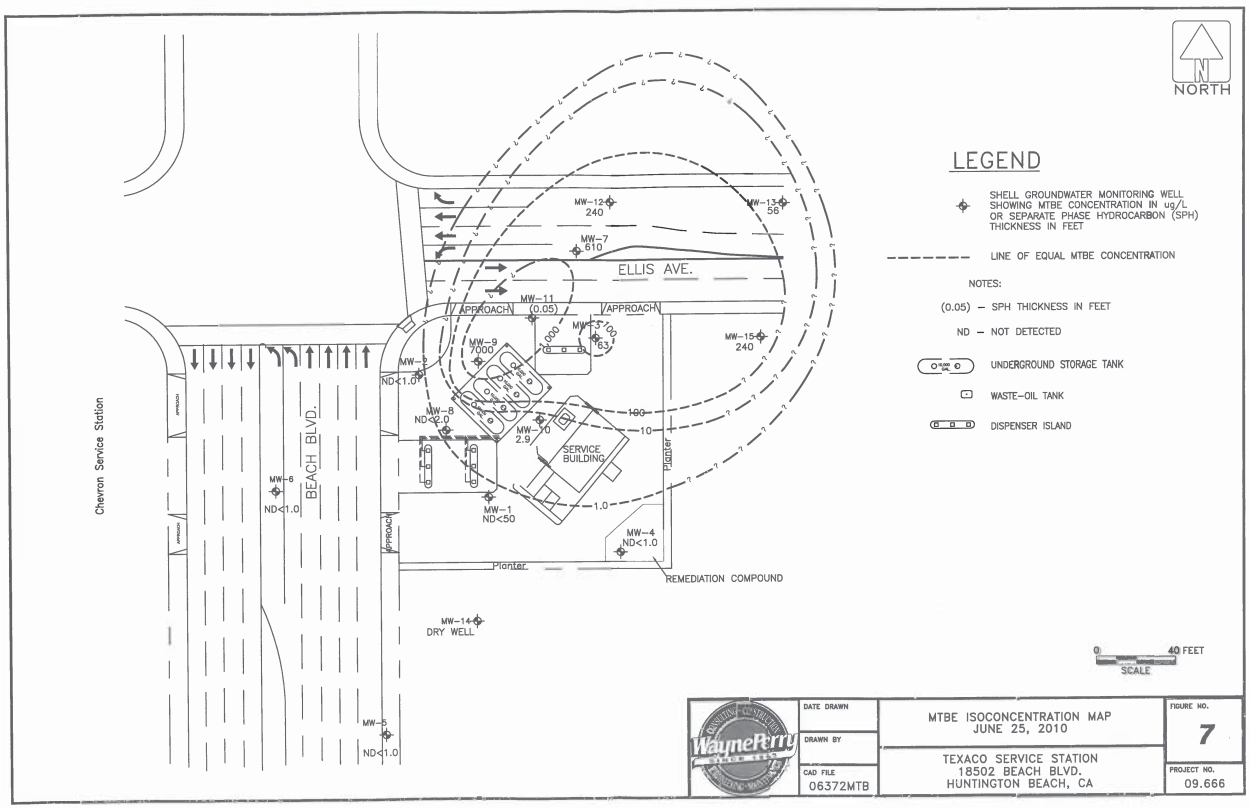
	TPPH	TPH-D	B	MTBE	TBA
60'	90	250	0.81	11	ND<10

	TPPH	TPH-D	B	MTBE	TBA
45'	2100	350	54	67	98
60'	55	390	2.9	1.1	ND<10

	TPPH	TPH-D	B	MTBE	TBA
45'	380	150	3.3	35	130
60'	ND<50	92	0.52	ND<1.0	ND<10

	TPPH	TPH-D	B	MTBE	TBA
45'	270	110	1.8	ND<1.0	53
60'	ND<50	250	ND<0.50	ND<1.0	ND<10


NORTH
LEGEND
SHELL GROUNDWATER MONITORING WELL SHOWING TBA CONCENTRATION IN ug/L OR SEPARATE PHASE HYDROCARBON (SPH) THICKNESS IN FEET
LINE OF EQUAL TBA CONCENTRATION
NOTES:
(0.05) – SPH THICKNESS IN FEET
ND – NOT DETECTED
UNDERGROUND STORAGE TANK
WASTE-OIL TANK
DISPENSER ISLAND
MW-12 100
MW-13 ND<10
MW-7 1200
ELLIS AVE.
MW-11 (0.05)
APPROACH
MW-3 ND<10
MW-15 ND<10
MW-9 13000
MW-2 2300
10,000
MW-8 1600
MW-10 500
1,000
100
10
SERVICE BUILDING
TRASH ENCLOSURE
MW-1 ND<500
MW-6 ND<10
BEACH BLVD.
Chevron Service Station
Planter
MW-4 ND<10
REMEDIATION COMPOUND
MW-14 DRY WELL
MW-5 ND<10
0 40 FEET
SCALE
DATE DRAWN
DRAWN BY
CAD FILE 06372TBA
TBA ISOCONCENTRATION MAP
JUNE 25, 2010
TEXACO SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA
FIGURE NO. 8
PROJECT NO. 09.666


NORTH
LEGEND
SHELL GROUNDWATER MONITORING WELL SHOWING MTBE CONCENTRATION IN ug/L OR SEPARATE PHASE HYDROCARBON (SPH) THICKNESS IN FEET
LINE OF EQUAL MTBE CONCENTRATION
NOTES:
(0.05) – SPH THICKNESS IN FEET
ND – NOT DETECTED
UNDERGROUND STORAGE TANK
WASTE-OIL TANK
DISPENSER ISLAND
MW-12 240
MW-13 56
MW-7 610
ELLIS AVE.
MW-11 (0.05)
APPROACH
MW-3 63
MW-15 240
MW-9 7000
1,000
100
10
1.0
MW-8 ND<2.0
MW-10 2.9
SERVICE BUILDING
MW-1 ND<50
MW-6 ND<1.0
BEACH BLVD.
Chevron Service Station
Planter
MW-4 ND<1.0
REMEDIATION COMPOUND
MW-14 DRY WELL
MW-5 ND<1.0
0 40 FEET
SCALE
DATE DRAWN
DRAWN BY
CAD FILE 06372MTB
MTBE ISOCONCENTRATION MAP
JUNE 25, 2010
TEXACO SERVICE STATION
18502 BEACH BLVD.
HUNTINGTON BEACH, CA
FIGURE NO. 7
PROJECT NO. 09.666

APPENDIX A

CITY OF HUNTINGTON BEACH ENCROACHMENT AND OCHCA WELL INSTALLATION PERMITS

APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-4720
(714) 433-6000
FAX: (714) 433-6481

WELL PERMIT NUMBER 10-05-04

CITY: Huntington Beach
DATE: 5-4-10

WELL LOCATION (ADDRESS IF AVAILABLE): 18502 Beach Blvd.

NAME OF WELL OWNER: Shell Oil Product US.
ADDRESS: 20945 S. Willmington
CITY: Carson ZIP: CA. TELEPHONE:

NAME OF CONSULTING FIRM: Wayne Perry Inc.
BUSINESS ADDRESS: 8281 Commonwealth Ave.
CITY: Buena Park ZIP: 90621 TELEPHONE: (714) 826-0352

NAME OF DRILLING CO.: Gregg
C-57 LICENSE NO.: 485165
CITY: Signal Hill ZIP: TELEPHONE: (562) 427-6899

TYPE OF WELL (CHECK)
- PRIVATE DOMESTIC ☐
- PUBLIC DOMESTIC ☐
- IRRIGATION ☐
- CATHODIC ☐
- PROBE SURVEY (5) ☐
- MONITORING ☐
- SOIL BORING ☐
- OTHER ☐
- TOTAL NUMBER ~~3 [illegible]~~ 5 ~~[illegible]~~

A. WELLS – SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS)

B. SOIL BORINGS AND PROBES –
TOTAL DEPTH 50'
SEALING MATERIAL Bentonite Chips

C. PROPOSED START DATE 5-14-10

DIAGRAM OF WELL SITE (Use additional sheets and/or attachments)

☐ SITE PLAN ATTACHED

I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.

Jessica Korte 5-4-10
APPLICANT'S SIGNATURE DATE

Jessica Korte
PRINT NAME

(714) 826-0352 (714) 523-7880
PHONE NUMBER FAX NUMBER

FOR ACCOUNTING USE ONLY:
HSO NO. 324990 CHECK NO. 88911
DATE 5-4-10 AMOUNT $419.00
INTL. [illegible]

APPROVAL BY OTHER AGENCIES:
JURISDICTION
REMARKS

AUTHORIZED SIGNATURE DATE

DISPOSITION OF PERMIT (DO NOT FILL IN):

X APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

A. NOTIFY THIS AGENCY AT LEAST 48 HOURS
X PRIOR TO START. PLEASE CALL IF START DATE CHANGES.
☐ PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING.

B. ☐ SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO.

C. ☐ SECURE ALL MONITORING WELLS TO PREVENT TAMPERING.

D. ☐ OTHER

☐ DENIED

Dan Yokoyama 5/4/2010
PERMIT ISSUED BY DATE

DAN YOKOYAMA (714) 433-6288
PRINT NAME PHONE NUMBER

WHEN SIGNED BY ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A PERMIT.

F272-09.0803 (R11/01)

APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
FAX: (714) 433-6481

CITY: Huntington Beach
DATE: 5-4-10
WELL LOCATION (ADDRESS IF AVAILABLE): 14502 Beach Blvd.

NAME OF WELL OWNER: Shell Opus
ADDRESS: 20945 S. Willmington
CITY: Carson
ZIP:
TELEPHONE:

NAME OF CONSULTING FIRM: WAYNE PERRY, INC. WPI
BUSINESS ADDRESS: 8281 Commonwealth
CITY: Buena Park
ZIP: 90621
TELEPHONE: 714 526-0352

NAME OF DRILLING CO.: Gregg Drilling
C-57 LICENSE NO.: 455125
CITY: Signal Hill
ZIP:
TELEPHONE: (562) 427-6899

TYPE OF WELL *(CHECK)*

PRIVATE DOMESTIC	☐	PROBE SURVEY	☐
PUBLIC DOMESTIC	☐	MONITORING	☑
IRRIGATION	☐	SOIL BORING	☐
CATHODIC	☐	OTHER ____	☐
		TOTAL NUMBER	3

A. WELLS – SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS)

B. SOIL BORINGS AND PROBES –
TOTAL DEPTH: 50
SEALING MATERIAL: Bentonite Chips

C. START DATE (IF KNOWN): 5-14-10

WELL PERMIT NUMBER: 10-05-03

DIAGRAM OF WELL SITE *(Use additional sheets and/or attachments)*

☐ SITE PLAN ATTACHED

I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.

Jessica Korte 5-4-10
APPLICANT'S SIGNATURE — DATE

Jessica Korte
PRINT NAME

(714) 526-0352 — (714) 523-7450
PHONE NUMBER — FAX NUMBER

FOR ACCOUNTING USE ONLY:
HSO NO. 324990
CHECK NO. 88911
DATE 5-4-10
AMOUNT $740.00
INTL. MM

APPROVAL BY OTHER AGENCIES:
JURISDICTION
REMARKS

AUTHORIZED SIGNATURE — DATE

DISPOSITION OF PERMIT (DO NOT FILL IN):

☒ **APPROVED** SUBJECT TO THE FOLLOWING CONDITIONS:

A. NOTIFY THIS AGENCY AT LEAST **48 HOURS**
☒ PRIOR TO START. PLEASE CALL IF START DATE CHANGES.
☐ PRIOR TO SEALING THE ANNULAR SPACE AND/OR FILLING OF THE CONDUCTOR CASING.

B. ☐ SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO.

C. ☒ SECURE ALL MONITORING WELLS TO PREVENT TAMPERING.

☐ OTHER

☐ CONSTRUCTION STARTED/COMPLETED PRIOR TO SUBMITTAL OF PERMIT APPLICATION

Dan Yokoyama 5/4/2010
PERMIT ISSUED BY — DATE

DAN YOKOYAMA (714) 433-6288
PRINT NAME — PHONE NUMBER

WHEN SIGNED BY ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A PERMIT.

F272-09.0803 (R8/05)

City of Huntington Beach
Public Works Department

Permit #: 10-138 Reporting District #: 413
PW File #: Receipt #: 1219015

PERMIT FOR RIGHT-OF-WAY ENCROACHMENT

◉ Construction ○ Obstruction ○ Bin Obstruction ○ Excavation

Project Location: Ellis , E/o Beach N/S

Description of Work: Set up traffic control to install monitoring well. Traffic per plan (WATCH).

Item ID	Item Description	Unit Price	Quantity	Extended Price
514	Traffic Control Setup	$625.00 each	1.00	$625.00
610	Abandon / Construct Monitor (Test) Well	$625.00 each	1.00	$625.00

0 - GIS / Survey points

Construction Total	$1,250.00
Construction Total x 8%	$100.00
Additional Admin. Fees	$0.00
Administration Fee	$115.00
Total Cost	**$215.00**

REQUIREMENTS

[illegible]ission is hereby granted to applicant to perform the above described work in accordance with a[illegible]ved plans and specifications furnished or herein made reference to. **48 hours advance notice** must be given prior to commencement of any phase of this work [telephone (714) 536-5431 for Engineering or (714) 536-5921 for water]. A copy of a valid permit and signed plans must be kept at the project site at all times while work is in progress. Chapter 10.16 and 12.24 of H.B.M.C. "Traffic Control" shall be enforced.

THE UNDERSIGNED APPLICANT CERTIFIES:

1. I am properly licensed as required by the City of Huntington Beach and State of California, and certify that in the performance of work for which this permit is issued I shall not employ any person in violation of the workers compensation laws of the State of California, and

2. I have read this application and all statements hereon are correct and complete. I agree to perform all work in accordance with the standard plans and specifications on file with the Director of Public Works. All USA markings will be removed by the applicant upon completion of work.

3. I will guarantee all work performed under this permit for a period of one year from the date of final acceptance. Failures will be corrected to the satisfaction of the Director of Public Works within two weeks after notification.

Business Name: Wayne Perry Inc
Business Address: 8281 Commonwealth Ave
Buena Park , CA 90621
Business Phone #: ( )
Emergency Phone #: ( )
State License #:
City License #:

By:
Signature — Date
Printed

Any trench work 5 feet and deeper, requires a shoring plan signed and stamped by a registered Civil Engineer.

Cash Deposit Required ○ Yes ◉ No
Amount: Receipt #:

Other Fees
- Water Inspection Fee - $150

For Official Use Only

Traffic Control Plan Required ○ Yes ◉ No
Traffic Control Per: APWA
WATCH Manual Pg(s):
Date Issued 05-May-10
Expiration Date: 04-Jul-10
Issued By: E. Powell
Signature
Powell, E.
Printed

Inspection	Date	Inspector
Preliminary		
Final		

Form 44 REV. 10/99 White -- OFFICE COPY / Yellow -- APPLICANT / Pink - PUBLIC WORKS INSPECTOR Yellow

APPENDIX B

BORING LOGS

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

Log of Boring/Well CPT-1

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *54 feet* / BORING DIAMETER: *1.5 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/19/10* FINISHED: *5/19/10*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Direct Push*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
						ASPHALT, 4 inches.				
						Silty SAND- fine- to medium-grained, dark grayish brown [10YR 4/2], moist.	sm			
5									5	
						SAND with Silt- fine-grained, light olive brown [2.5Y 5/3], moist.	sp			
10	X	CPT-1d10							10	
15	X	CPT-1d15				**Silty SAND**- fine-grained, light olive brown [2.5Y 5/3], moist.	sm		15	
20	X	CPT-1d20				**SAND**- fine-grained, light yellowish brown [2.5Y 6/3], moist;	sp		20	
25	X	CPT-1d25							25	
30	X	CPT-1d30				becomes light olive brown [2.5Y 5/4] at 30 feet.			30	
35	X	CPT-1d35							35	
40	X	CPT-1d40			31	**SILT** - light olive brown [2.5Y 5/3], moist; trace fine-grained sand.	ml		40	
45	X	CPT-1d45	0855		111	**Silty CLAY**- light olive brown [2.5Y 5/3], moist;	cl		45	
50	X	CPT-1d50	0905		5	iron oxide mottling and black [2.5Y 2.5/-] staining at 50 feet.			50	
	X	CPT-1d54	0910		156	**SAND**- fine- to medium-grained, olive yellow [2.5Y 6/6], moist.	sp			
55						Bottom at 54 feet.			55	

Remarks/Notes: 1) PID Used:
2) Airknifed to 10 feet.

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

Log of Boring/Well CPT-2

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *54 feet* / BORING DIAMETER: *1.5 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/19/10* FINISHED: *5/19/10*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Direct Push*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
						ASPHALT, 4 inches.	sp			
						Silty SAND- fine- to medium-grained, dark grayish brown [10YR 4/2], moist.				
5									5	
						SAND- fine-grained, olive [5Y 5/3], moist;	sp			
10	X	CPT-2d10	1230		0.0				10	
15	X	CPT-2d15	1235		0.0				15	
20	X	CPT-2d20	1240		0.0				20	
25	X	CPT-2d25	1245		0.0	no sample recovery at 25 feet.			25	
30	X	CPT-2d30	1250		0.0	**Silty SAND**- fine-grained, light olive brown [2.5Y 5/3], moist.	sm		30	
35	X	CPT-2d35	1300		0.0				35	
						SAND with Silt- fine-grained, dark gray [2.5Y 4/1], very moist to saturated.	sm			
▽40	X	CPT-2d40	1305		22				40	
						Sandy SILT- light olive brown [2.5Y 5/4], moist.	ml			
45	X	CPT-2d45	1315		7				45	
50	X	CPT-2d50	1320						50	
	X	CPT-2d54				**SAND**- fine- to medium-grained, olive yellow [2.5Y 6/6], moist.	sp			
55						Bottom at 54 feet.			55	

Remarks/Notes: 1) PID Used:
2) Airknifed to 10 feet.

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

Log of Boring/Well CPT-3

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *53 feet* / BORING DIAMETER: *1.5 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/20/10* FINISHED: *5/20/10*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Direct Push*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
						CONCRETE, 8 inches.	sm			
						Silty SAND- fine- to medium-grained, dark grayish brown [10YR 4/3], moist.				
5									5	
						SAND- fine-grained, light olive brown [2.5Y 5/3], moist;	sp			
10	X	CPT-3d10	0730		0.0				10	
15	X	CPT-3d15	0735		0.0				15	
20	X	CPT-3d20	0740		0.0				20	
25	X	CPT-3d25	0745		0.0	silt increases in sample at 25 feet; color change to light gray [2.5Y 7/1] at 25 feet;			25	
30	X	CPT-3d30	0750		0.0	color change to olive brown [2.5Y 4/3] at 30 feet.			30	
35	X	CPT-3d35	0755		0.0				35	
						Silty SAND- fine-grained, olive gray [5Y 5/2], very moist to saturated; hydrocarbon odor.	sm			
▽40	X	CPT-3d40	0800		111				40	
						SILT with Sand- olive [5Y 4/4], very moist to saturated; sand is fine-grained.	ml			
45	X	CPT-3d45	0810		25				45	
						SILT - olive [5Y 4/4], very moist to saturated; trace clay.	ml			
50	X	CPT-3d50	0820		109				50	
	X	CPT-3d53	0830		43	**SAND with Silt**- fine-grained, olive [5Y 4/3], saturated.	sm			
55						Bottom at 53 feet.			55	

Remarks/Notes: 1) PID Used:
2) Airknifed to 10 feet.

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

Log of Boring/Well CPT-4

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *Not Measured*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *53 feet* / BORING DIAMETER: *1.5 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/20/10* FINISHED: *5/20/10*	TOP OF WELL CASING ELEVATION: *N/A*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *N/A* DATE: *N/A*
DRILLING METHOD: *Direct Push*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
						ASPHALT, 5 inches.				
						Sandy SILT- dark grayish brown [10YR 4/2], moist; sand is fine- to medium-grained.	ml			
5									5	
						SAND- fine-grained, light olive brown [2.5Y 5/3], moist.	sp			
10	X	CPT-4d10	1015		0.0				10	
15	X	CPT-4d15	1020		8	**Sandy SILT**- olive gray [5Y 4/2], moist; sand is fine-grained.	ml		15	
						SAND- fine-grained, light brownish gray [2.5Y 6/2], moist;	sp			
20	X	CPT-4d20	1025		33				20	
25	X	CPT-4d25	1030		5	becomes light olive brown [2.5Y 5/3] at 25 feet.			25	
30	X	CPT-4d30	1035		0.0				30	
35	X	CPT-4d35	1040		0.0				35	
						Silty SAND- fine-grained, olive brown [2.5Y 4/3], saturated.	sm			
▽ 40	X	CPT-4d40	1050						40	
						Clayey SILT- olive brown [2.5Y 4/3], saturated.	ml			
45	X	CPT-4d45	1055		6				45	
						SILT with Clay- very dark gray [5Y 3/1], very moist.	ml			
50	X	CPT-4d50	1105		7				50	
	X	CPT-4d53	1115		23	**SAND**- fine-grained, light brownish gray [2.5Y 6/2], moist.	sp			
55						Bottom at 53 feet.			55	

Remarks/Notes: 1) PID Used:
2) Airknifed to 10 feet.

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Buena Park, California 90621
(714) 826-0352
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Log of Boring/Well MW-13

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *60.4 feet msl (estimate)*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *61 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/24/10* FINISHED: *5/24/10*	TOP OF WELL CASING ELEVATION: *60.03 feet msl*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *5.04 feet msl* DATE: *6/25/10*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class	Graphic Log	DEPTH (feet)	Well Diagram
						ASPHALT, 6 inches.				well box encased in concrete
						Silty SAND- fine-grained, grayish brown [2.5Y 5/2], medium dense, moist.	sm			
5		MW-13d5	0940		56				5	blank 2 inch dia. SCH 40 PVC from 0.5 -40 feet
10		MW-13d10	0945		5				10	
						SAND- fine- to medium-grained, light yellowish brown [2.5Y 6/4], dense, moist.	sp			
15		MW-13d15	0950		17				15	bentonite grout seal from 2-35 feet
20		MW-13d20	0955		33				20	
25		MW-13d25	1005		3				25	
30		MW-13d30	1015		30	**Clayey SILT**- olive [5Y 5/3], stiff, moist.	ml		30	
35		MW-13d35	1025		10	**SAND**- fine-grained, light olive brown [2.5Y 5/4], moist; trace silt; iron oxide mottling.	sp		35	
						Silty SAND- fine-grained, olive brown [2.5Y 4/3], very moist to saturated.	sm			bentonite chips from 35-38 feet
▽ 40		MW-13d40	1030		29				40	
						Clayey SILT- dark brown [10YR 3/3], very stiff, moist to very moist; iron oxide mottling.	ml			
45		MW-13d45	1045		0.0				45	screened (0.02 inch slots) 2 inch dia. SCH 40 PVC from 40-60 feet
50		MW-13d50	1055		0.0	**SAND**- fine-grained, light yellowish brown [2.5Y 6/3], moist;	sp		50	
55		MW-13d55	1130		3	becomes very moist at 55 feet;			55	#2/12 sand filter pack from 38-61 feet
60		MW-13d60	1140			becomes light olive brown [2.5Y 5/4], and saturated at 60 feet.			60	
65						Bottom at 61 feet.			65	

Remarks/Notes: 1) PID Used:
2) Airknifed to 7 feet.

WAYNE PERRY, INC.
8281 Commonwealth Avenue
Buena Park, California 90621
(714) 826-0352
www.wpinc.com

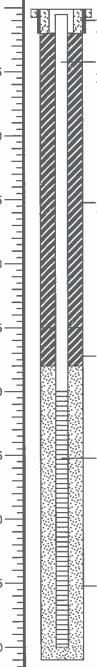
Log of Boring/Well MW-14

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *60.5 feet msl (estimate)*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *51 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/25/10* FINISHED: *5/25/10*	TOP OF WELL CASING ELEVATION: *60.03 feet msl*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *Dry Well* DATE: *6/25/10*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 6 inches.	
						SILT with Sand- dark grayish brown [10YR 4/2], medium stiff, moist; sand is fine- to medium-grained.	ml
5		MW-14d5	0740	3/3/4	0.0		
						SAND- fine-grained, light olive brown [2.5Y 5/4], medium dense, moist;	sp
10		MW-14d10	0745	6/7/9	2		
15		MW-14d15	0750	14/18/25	1		
20		MW-14d20	0800	20/25/28	2	becomes fine- to medium-grained at 20 feet.	
25		MW-14d25	0805	10/20/26	0.0		
						Silty SAND- fine-grained, light olive brown [2.5Y 5/4], dense, moist.	sm
30		MW-14d30	0815	12/13/18	0.0		
35		MW-14d35	0820	8/10/13	0.0		
40		MW-14d40	0830	6/6/10	0.0	**Clayey SILT**- light olive brown [2.5Y 5/4], very stiff, very moist to saturated.	ml
45		MW-14d45	0835	5/6/8	72		
50		~~MW-14d50~~	~~0840~~	~~8/9/14~~		**SAND**- fine-grained, grayish brown [2.5Y 5/2], medium dense, moist; iron oxide mottling.	sp
55						Bottom at 51 feet.	

Graphic Log



Well Diagram

Remarks/Notes: 1) PID Used:
2) Airknifed to 5 feet.

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Buena Park, California 90621
(714) 826-0352
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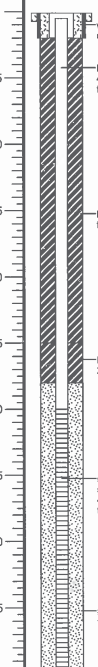
Log of Boring/Well MW-15

PROJECT: *Shell Service Station*	SURFACE ELEVATION: *60.8 feet msl (estimate)*
LOCATION: *18502 Beach Blvd. Huntington Beach, CA*	TOTAL DEPTH: *51 feet* / BORING DIAMETER: *8 inches*
PROJECT NO.: *09.666*	DEPTH TO FIRST SATURATION: *40 feet*
DATE BEGAN: *5/25/10* FINISHED: *5/25/10*	TOP OF WELL CASING ELEVATION: *60.11 feet msl*
DRILLING COMPANY: *Gregg Drilling and Testing, Inc.*	STATIC GW ELEVATION: *18.29 feet msl* DATE: *6/25/10*
DRILLING METHOD: *Hollow-Stem Auger*	LOGGED BY: *M. Escobedo* CHECKED BY: *D. Henry*

This log is a representation of subsurface conditions at the time and place of drilling. With the passage of time or at any other location, there may be consequential changes in conditions.

DEPTH (feet)	Samples	Sample I.D.	Time	Blow Counts (per 6 inches)	PID/LEL (ppm/%)	Geologic Description	Soil Class
						ASPHALT, 6 inches.	
						SILT with Sand- dark grayish brown [10YR 4/2], stiff, moist; sand is fine- to medium-grained.	ml
5		MW-15d5	1130	4/5/8	76		
						SAND- fine-grained, light olive brown [2.5Y 5/4], medium dense, moist;	sp
10		MW-15d10	1135	6/9/10	0.0		
15		MW-15d15	1140	12/16/20	0.0	becomes fine- to medium-grained and dense at 15 feet;	
20		MW-15d20	1145	16/26/35	10	becomes very dense at 20 feet.	
25		MW-15d25	1150	20/23/34	0.0		
						Sandy SILT- light olive brown [2.5Y 5/3], hard, moist; sand is fine-grained.	ml
30		MW-15d30	1200	21/21/30	7		
35		MW-15d35	1240	7/12/4	0.0		
						Silty SAND- fine-grained, olive brown [2.5Y 4/4], medium dense, very moist to saturated.	sm
40		MW-15d40	1245	8/13/15	0.0		
						SAND- fine-grained, olive brown [2.5Y 4/4], medium dense, very moist to saturated; trace silt; iron mottling;	sp
45		MW-15d45	1255	9/10/13	4		
50		~~MW-15d50~~	~~1305~~	~~7/12/13~~	~~0.0~~	becomes light olive brown [2.5Y 5/3], medium dense, moist.	
55						Bottom at 51 feet.	

Graphic Log



Well Diagram

Remarks/Notes: 1) PID Used:
2) Airknifed to 5 feet.

APPENDIX C

W. TOM FOSTERS WELL SURVEY REPORT

W. TOM FOSTER SURVEYS

Boundary - Topographic - Construction - Surveys

12422 Country Ln. Santa Ana, Ca. 92705 Ph/Fax (714) 832-6313

MONITORING WELL ELEVATIONS

Page 1 of 1 Page

June 11, 2010

Location: 18502 Beach Blvd., Huntington Beach, Ca.

Wayne Perry, Inc. Project No.: 09.666

W. Tom Foster Surveys Project No.: 10-001

Date of Survey: June 10, 2010

Bench Mark: HB-275-04 COUNTY OF ORANGE
FOUND ALUMINUM CAP "OCS BM HB-275-04" IN THE SW CORNER OF A CATCH BASIN IN THE SE CORNER OF THE INTERSECTION OF BEACH BL AND ELLIS AVE 60FT EAST OF THE C/L OF BEACH BL AND 112FT SOUTH OF THE C/L OF ELLIS AVE.
YEAR LEVELED 2005

ELEV = 59.425 FT. NAVD 88 DATUM 1995 ADJ

ELEV METHOD = DIG ACCURACY = <1cm

Special Notes: None.

All well elevations are taken on the north lip of the well casing, finish surface elevations are taken 2'+/- north of the well, vault elevations are taken on the north lip of the vault, unless otherwise noted. Elevation locations are marked with a flo-pen, also a cut is made if casing is PVC or a punch mark if casing is steel.

Well No.	Top Of Casing	Finish Surface	TC-FS	Remarks
MW-13	60.03	60.35	-0.32	2" PVC
MW-14	60.03	60.53	-0.50	2" PVC
MW-15	60.11	60.79	-0.68	2" PVC

The above data was obtained using standard Land Survey practices and was performed under the direction of Walter T. Foster,P.L.S. License No. L.S.4978

PROFESSIONAL LAND SURVEYOR WALTER T. FOSTER EXP. DEC. 31, 2011 L.S. NO. 4978 STATE OF CALIFORNIA

June 11, 2010

RECEIVED JUN 22 2010

BY:

W. TOM FOSTER SURVEYS
Boundary - Topographic - Construction - Surveys
12422 Country Ln. Santa Ana, Ca. 92705 Ph/Fax (714) 832-6313

MONITORING WELL LOCATIONS

June 11, 2010

Location: 18502 Beach Blvd., Huntington Beach, Ca.

Wayne Perry, Inc. Project No. 09.666

W. Tom Foster Surveys Project No. 10-001

Date of Survey: June 10, 2010

Latitudes and Longitudes shown hereon are based on the National Geodetic Survey's (NGS) published positions in the North American datum of 1983 (NAD83), Epoch of 2000.35, for continously operating reference stations (CORS) FVPK and SACY, California Coordinate Zone 6, on March 4, 2010.
* Values are in decimal degrees.

XY METHOD = CGPS GPS EQUIP = L530

XY DATUM = NAD83 XY ACCURACY = +/- 49cm

Well No.	Latitude*	Longitude*
MW-13	33.6940344	-117.9878975
MW-14	33.6933717	-117.9884631
MW-15	33.6938228	-117.9879350

The above data was obtained using standard Land Survey practices and was performed under the direction of Walter T. Foster,P.L.S. License No. L.S.4978

PROFESSIONAL LAND SURVEYOR
WALTER T. FOSTER
EXP. DEC. 31, 2011
NO. 4978
STATE OF CALIFORNIA

June 11, 2010

RECEIVED
JUN 22 2010
BY:.....

APPENDIX D

BLAINE TECH SERVICES INC. WELL DEVELOPMENT FIELD SHEETS

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 18502 BEACH - HUNTINGTON BCH Date 6/10/10

Job Number 100610-TR1 Technician TK Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-13	X			X	X				
MW-14	X			X	X				
MW-15	X			X	X				

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORREGT

Notes: NO TAGS

WELL GAUGING DATA

Project # 100610-TR1 Date 6/10/10 Client SHELL

Site 18502 BEACH - HUNTINGTON BEACH

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-13	0916	2					54.82	58.78		
MW-14	0735	2					DRY	50.63		
MW-15	0745	2					42.08	49.68		

WELL DEVELOPMENT DATA SHEET

Project #: 100610 - TR1	Client: SHELL
Developer: TR	Date Developed: 6/10/10
Well I.D. ~~[illegible]~~ MW-13	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 58.78 After 59.40	Depth to Water: Before 54.82 After 56.02
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

0.6	X	TR 3-10	=	TR ~~1.8~~ 6.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ____
Other equipment used 2" SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
—	SURGED WELL	FOR 10	MINUTES	—		
—	BEGAN	PURGE	WITH	PAD	PUMP	
0928	72.3	7.6	1291	>1000	0.5	VERY SILTY
0931	74.0	7.4	1264	>1000	1.0	
0934	74.3	7.3	1403	>1000	1.5	
0937	74.3	7.3	1502	>1000	2.0	
0940	74.3	7.3	1573	>1000	2.5	LESS SILT
0943	74.9	7.4	1535	>1000	3.0	
0946	75.3	7.4	1482	>1000	3.5	
0949	75.5	7.4	1468	>1000	4.0	
0952	75.6	7.5	1353	>1000	4.5	HARD BOTTOM
0955	75.2	7.5	1434	>1000	5.0	
0958	75.4	7.5	1526	>1000	5.5	

Did Well Dewater? N	If yes, note above.	Gallons Actually Evacuated:	10.5

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-13	PAGE 2 OF 2
Project #: 100610 - TR1	Client: SHELL

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1001	76.0	7.5	1406	>1000	6.0	BECOMING CLEAR
1004	75.4	7.5	1401	>1000	6.5	
1007	75.3	7.5	1363	660	7.0	
1009	75.8	7.5	1384	314	7.5	
1012	76.0	7.5	1288	231	8.0	
1014	76.2	7.5	1290	146	8.5	
1016	76.5	7.5	1342	79	9.0	
1019	76.0	7.5	1313	59	9.5	
1022	76.0	7.5	1325	65	10.0	
1025	76.3	7.5	1320	60	10.5	

WELL DEVELOPMENT DATA SHEET

Project #: 100610-TR1	Client: SHELL
Developer: TR	Date Developed: 6/10/10
Well I.D. MW-14	Well Diameter: (circle one) (2) 3 4 6 —
Total Well Depth: Before 50.63 After —	Depth to Water: Before DRY After —
Reason not developed: WELL IS DRY	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

—	X	—		—
1 Case Volume		Specified Volumes	=	gallons

Purging Device: ☐ Bailer ☐ Electric Submersible ☐ Suction Pump ☐ Positive Air Displacement

Type of Installed Pump —

Other equipment used —

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
— WELL IS DRY —						
— NO DEVELOPMENT PERFORMED —						
Did Well Dewater?	If yes, note above.			Gallons Actually Evacuated:		

WELL DEVELOPMENT DATA SHEET

Project #: 100610-TR1	Client: SHELL
Developer: TR	Date Developed: 6/10/10
Well I.D. MW-15	Well Diameter: (circle one) (2) 3 4 6 —
Total Well Depth: Before 49.68 After 50.27	Depth to Water: Before 42.08 After 44.33
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.2	X	10		12.0
1 Case Volume		Specified Volumes	=	gallons

Purging Device: ☐ Bailer ☐ Electric Submersible ☐ Suction Pump ☒ Positive Air Displacement

Type of Installed Pump —

Other equipment used 2" SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
— SURGED WELL FOR 10 MINUTES —						
— BEGAN PURGE WITH PAD PUMP —						
0806	74.3	6.8	5698	>1000	1.5	VERY SILTY/SANDY
0809	75.0	6.8	5576	>1000	3.0	
0813	75.2	6.8	5564	>1000	4.5	
0814	75.3	6.8	5494	>1000	6.0	
0820	75.2	6.9	5580	>1000	7.5	
0824	75.0	6.9	5485	>1000	9.0	
0828	75.3	6.9	5640	>1000	10.5	
0832	75.0	6.9	5689	>1000	12.0	BECOMING CLEARER
0836	75.2	6.8	5707	>1000	13.5	
0840	75.3	6.9	5714	752	15.0	HARD BOTTOM
0844	75.5	6.8	5694	246	16.5	
Did Well Dewater?	If yes, note above.			Gallons Actually Evacuated:		

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-15	PAGE 2 OF 2
Project #: 100610-TR1	Client: SHELL

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0848	75.0	6.9	5784	186	18.0	
0852	75.2	6.9	5790	154	19.5	
0856	75.2	6.9	5800	88	21.0	
0859	75.4	6.8	5746	54	22.5	
0902	75.4	6.8	5759	68	24.0	
0905	75.3	6.8	5802	60	25.5	
~~0905~~	TR					

NON-HAZARDOUS WASTE DATA FORM

I.D. 684996

BESI #

GENERATOR

Generator's Name and Mailing Address
SHELL OIL PRODUCTS US
20945 S. WILMINGTON AVE.
CARSON, CA 90810
ATTN: KATZ, MARVIN

Generator's Site Address (if different than mailing address)
18502 BEACH
HUNTINTON BEACH

Generator's Phone: ~~713-241-7011~~

Container type removed from site: ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other ____ Quantity ____

Container type transported to receiving facility: ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other ____ Quantity ____ Volume 45 GALS

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile ____ PROPERTIES: pH ~~7-10~~ ☐ SOLID XX ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ____

Generator Printed/Typed Name: T. RHYMES (ON BEHALF OF SOPUS) Signature: [signature] Month 6 Day 10 Year 10

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BLAINE TECH SERVICES, INC. Phone#: 310-885-4455

Transporter 1 Printed/Typed Name: T. RHYMES Signature: [signature] Month 6 Day 10 Year 10

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. Phone#: 714-990-6855

Transporter 2 Printed/Typed Name: ____ Signature: ____ Month ____ Day ____ Year ____

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

INCIDENT: 95995034
RIPR:
SAP:

Printed/Typed Name: ____ Signature: ____ Month ____ Day ____ Year ____

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

APPENDIX E

BLAINE TECH SERVICES INC. GROUNDWATER MONITORING AND LABOROTY REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 2, 2010

Marvin Katz
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810

Second Quarter 2010 Groundwater Monitoring at
Texaco-branded Service Station
18502 Beach Boulevard
Huntington Beach, CA

Monitoring performed on June 10 and 25, 2010

Groundwater Monitoring Report: **100625-SP-1**

This report covers the routine monitoring of groundwater wells at this Texaco-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to Demenno/Kerdoon.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

TABLE 1
CURRENT GROUNDWATER DATA
TEXACO SERVICE STATION
18502 Beach Boulevard, Huntington Beach

DATE	WELL	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	DO METHOD	COMMENTS
12/18/06	MW-1	38.55	0.00	18.69	47.25	21000		140	380	2100	1700	ND<20	ND<200	ND<20	ND<20	ND<20				No purge sample
12/18/06	MW-2	37.82	0.00	18.89	48.25	460		ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.0	2200	ND<1.0	ND<1.0	ND<1.0				No purge sample
12/18/06	MW-3	38.53	0.00	18.68	48.17	900		ND<0.50	ND<5.0	ND<5.0	ND<10	1400	380	ND<10	ND<10	ND<10				No purge sample
12/18/06	MW-4	43.51	0.00	15.03	52.77	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				No purge sample
12/18/06	MW-5	39.48	0.00	17.54	50.04	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				No purge sample
12/18/06	MW-6	48.42	0.00	8.91	50.30	920		310	ND<2.5	18	10	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0				No purge sample
12/18/06	MW-7	40.14	0.00	16.64	45.79	6700		23	ND<5.0	120	45	1200	750	ND<10	ND<10	ND<10				No purge sample
12/18/06	MW-8	37.02	0.00	20.13	48.05	9100		330	57	1400	170	220	980	ND<10	ND<10	ND<10				No purge sample
12/18/06	MW-9	38.13	0.18	18.61																
12/18/06	MW-10	38.34	0.00	19.32	48.09	600		ND<1.0	ND<1.0	ND<1.0	ND<2.0	150	1500	ND<2.0	ND<2.0	ND<2.0				No purge sample
12/18/06	MW-11	43.56	0.00	13.36	44.09															Insufficient water
12/18/06	MW-12	49.63	0.00	6.47	50.12															Insufficient water
03/20/07	MW-1	38.53	0.00	18.71	47.25	29000		230	470	2300	2400	ND<20	ND<200	ND<20	ND<20	ND<20				
03/20/07	MW-2	37.84	0.00	18.87	48.31	580		ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	1600	ND<10	ND<10	ND<10				
03/20/07	MW-3	38.61	0.00	18.60	48.23	750		ND<5.0	ND<5.0	ND<5.0	ND<10	1100	480	ND<10	ND<10	ND<10				
03/20/07	MW-4	43.60	0.00	14.94	52.86	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
03/20/07	MW-5	39.59	0.00	17.43	50.04	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
03/20/07	MW-6	48.39	0.00	8.94	50.02	630		590	ND<2.5	17	5.6	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0				
03/20/07	MW-7	40.25	0.00	16.53	42.23	11000		20	7.7	380	990	1700	1000	ND<10	ND<10	ND<10				
03/20/07	MW-8	37.84	0.00	19.31	48.14	7100		530	41	1500	29	160	390	ND<20	ND<20	ND<20				
03/20/07	MW-9	38.15	0.12	18.72																
03/20/07	MW-10	38.42	0.00	19.24	48.05	350		ND<1.0	ND<1.0	ND<1.0	ND<2.0	69	1700	ND<2.0	ND<2.0	ND<2.0				
03/20/07	MW-11	43.16	0.00	13.76	43.52															
03/20/07	MW-12	49.47	0.00	6.63	50.15															
06/21/07	MW-1	38.57	0.00	18.67	47.25	9000		110	280	1200	940	ND<10	ND<100	ND<10	ND<10	ND<10				No purge sample
06/21/07	MW-2	36.91	0.00	19.80	48.34	400		ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<4.0	1400	ND<4.0	ND<4.0	ND<4.0				No purge sample
06/21/07	MW-3	38.70	0.00	18.51	48.23	1200		ND<5.0	ND<5.0	ND<5.0	ND<10	1800	610	ND<10	ND<10	ND<10				No purge sample
06/21/07	MW-4	43.61	0.00	14.93	52.86	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				No purge sample
06/21/07	MW-5	39.72	0.00	17.30	49.98	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				No purge sample
06/21/07	MW-6	48.30	0.00	9.03	50.02	2300		87	ND<0.50	3.2	ND<1.0	ND<1.0	19	ND<1.0	ND<1.0	ND<1.0				No purge sample
06/21/07	MW-7	40.33	0.00	16.45	42.24	4800		ND<20	ND<20	96	ND<40	2000	1200	ND<40	ND<40	ND<40				No purge sample
06/21/07	MW-8	37.90	0.00	19.25	48.15	9100		510	100	1300	480	370	1700	ND<20	ND<20	ND<20				No purge sample
06/21/07	MW-9	38.21	0.02	18.59																
06/21/07	MW-10	38.61	0.00	19.05	48.07	620		0.93	ND<0.50	ND<0.50	ND<1.0	40	1600	ND<1.0	ND<1.0	ND<1.0				No purge sample
06/21/07	MW-11	43.21	0.00	13.71	43.51															Insufficient water
06/21/07	MW-12	49.54	0.00	6.56	50.13															Insufficient water
09/27/07	MW-1	38.70	0.00	18.54	47.15	11000		320	600	1600	910	ND<25	ND<250	ND<25	ND<25	ND<25				
09/27/07	MW-2	37.94	0.00	18.77	48.37	430		ND<1.2	ND<1.2	ND<1.2	ND<2.5	ND<2.5	ND<2.5	1200	ND<2.5	ND<2.5				
09/27/07	MW-3	38.87	0.00	18.34	48.21	770		ND<5.0	ND<5.0	ND<5.0	ND<10	940	660	ND<10	ND<10	ND<10				
09/27/07	MW-4	43.98	0.00	14.56	52.87	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
09/27/07	MW-5	39.95	0.00	17.07	49.99	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
09/27/07	MW-6	48.50	0.00	8.83	50.01	350		50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	34	ND<1.0	ND<1.0	ND<1.0				
09/27/07	MW-7	40.38	0.00	16.40	42.50	3500		6.3	ND<5.0	76	16	1600	660	ND<10	ND<10	ND<10				
09/27/07	MW-8	38.24	0.00	18.91	48.10	6500		480	51	1100	220	230	740	ND<10	ND<10	ND<10				
09/27/07	MW-9	38.40	0.09	18.45																
09/27/07	MW-10	38.63	0.00	19.03	48.06	510		ND<5.0	ND<5.0	ND<5.0	ND<10	31	1300	ND<10	ND<10	ND<10				
09/27/07	MW-11	43.70	0.00	13.22	44.11	30000		260	74	340	1400	2000	1900	ND<10	ND<10	ND<10				
09/27/07	MW-12	49.50	0.00	6.60	50.15	110		ND<0.50	ND<0.50	ND<0.50	ND<1.0	81	14	ND<1.0	ND<1.0	ND<1.0				

CONTINUED ON NEXT PAGE

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Lorin King
Project Manager

LK/jb

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Truedi Balsitis
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621

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TABLE 1
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TEXACO SERVICE STATION
18502 Beach Boulevard, Huntington Beach

DATE	WELL	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	DO METHOD	COMMENTS
12/23/08	MW-1	40.02	0.00	17.22	48.01	120000		6300	28000	2600	12000	ND<20	ND<200	ND<40	ND<40	ND<40				
12/23/08	MW-2	39.28	0.00	17.43	49.00	120		ND<0.50	ND<1.0	ND<1.0	ND<1.0	110	40	ND<2.0	ND<2.0	ND<2.0				
12/23/08	MW-3	39.98	0.00	17.23	49.10	660		ND<2.5	ND<5.0	ND<5.0	ND<5.0	540	230	ND<10	ND<10	ND<10				
12/23/08	MW-4	44.40	0.00	14.14	53.15	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
12/23/08	MW-5	40.48	0.00	16.54	50.00	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
12/23/08	MW-6	48.99	0.00	8.34	50.22	270		0.95	ND<1.0	ND<1.0	ND<1.0	ND<1.0	21	ND<2.0	ND<2.0	ND<2.0				
12/23/08	MW-7	41.96	0.00	14.82	42.48	2500		12	ND<20	ND<20	35	830	530	ND<40	ND<40	ND<40				
12/23/08	MW-8	39.42	0.00	17.73	48.82	6500		280	69	220	ND<5.0	32	64	ND<10	ND<10	ND<10				
12/23/08	MW-9	40.19	0.00	16.59	48.75	100000		1200	620	1500	20000	11000	18000	ND<200	ND<200	ND<200				
12/23/08	MW-10	40.77	0.00	16.89	48.64	550		0.61	ND<1.0	ND<1.0	ND<1.0	140	90	ND<2.0	ND<2.0	ND<2.0				
12/23/08	MW-11	43.90	0.00	13.02	43.98															Insufficient water
12/23/08	MW-12	49.30	0.00	6.80	50.22	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.5	ND<10	2.6	ND<2.0	ND<2.0				
03/24/09	MW-1	41.67	0.00	15.57	48.02		140000	4700	27000	2600	13000	ND<200	ND<2000	ND<400	ND<400	ND<400				
03/24/09	MW-2	39.41	0.00	17.30	49.01		1200	5.8	3.1	3.7	ND<1.0	26	660	ND<2.0	ND<2.0	ND<2.0				
03/24/09	MW-3	39.71	0.00	17.50	48.98		1800	52	ND<5.0	ND<5.0	ND<5.0	370	750	ND<10	ND<10	ND<10				
03/24/09	MW-4	44.65	0.00	13.89	53.16		74	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/24/09	MW-5	40.59	0.00	16.43	50.05		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/24/09	MW-6	49.01	0.00	8.32	50.09		580	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	17	ND<2.0	ND<2.0	ND<2.0				
03/24/09	MW-7	41.40	0.00	15.38	42.59		2500	11	ND<10	27	19	370	810	ND<20	ND<20	ND<20				
03/24/09	MW-8	39.99	0.00	17.16	48.83		5400	270	8.3	150	ND<5.0	20	64	ND<10	ND<10	ND<10				
03/24/09	MW-9	40.10	0.00	16.68	48.62		55000	210	ND<100	110	4800	9400	14000	ND<200	ND<200	ND<200				
03/24/09	MW-10	40.62	0.00	17.04	48.74		560	ND<0.50	ND<1.0	ND<1.0	ND<1.0	71	82	ND<2.0	ND<2.0	ND<2.0				
03/24/09	MW-11				44.17															Well Dry
03/24/09	MW-12	49.25	0.00	6.85	50.06		270	0.70	ND<1.0	ND<1.0	ND<1.0	50	ND<10	6.8	ND<2.0	ND<2.0				
06/18/09	MW-1																			Ext. well
06/18/09	MW-2																			Ext. well
06/18/09	MW-3																			Ext. well
06/18/09	MW-4				44.10															Well dry
06/18/09	MW-5	40.86	0.00	16.16	50.13		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100			
06/18/09	MW-6	49.38	0.00	7.95	50.00		470	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	ND<2.0	ND<2.0	ND<2.0	ND<100			
06/18/09	MW-7	41.12	0.00	15.66	42.60		6600	18	2.2	330	600	120	500	ND<4.0	ND<4.0	ND<4.0	ND<200			
06/18/09	MW-8																			Ext. well
06/18/09	MW-9																			Ext. well
06/18/09	MW-10																			Ext. well
06/18/09	MW-11				44.23															Well Dry
06/18/09	MW-12	49.15	0.00	6.95	50.30		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.5	10	ND<2.0	ND<2.0	ND<2.0	ND<100			
09/30/09	MW-1	40.56	0.00	16.68	47.96		47000	2000	7700	1100	4700	ND<50	ND<500	ND<100	ND<100	ND<100				Ext. well
09/30/09	MW-2	39.75	0.00	16.96	49.04		570	3.1	ND<1.0	3.0	ND<1.0	3.6	6800	ND<2.0	ND<2.0	ND<2.0				Ext. well
09/30/09	MW-3	40.51	0.00	16.70	49.05		300	ND<1.0	ND<2.0	ND<2.0	ND<2.0	190	160	ND<4.0	ND<4.0	ND<4.0				Ext. well
09/30/09	MW-4	44.69	0.00	13.85	52.71		120	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
09/30/09	MW-5	40.96	0.00	16.06	49.98		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
09/30/09	MW-6	49.35	0.00	7.98	50.01		440	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
09/30/09	MW-7	41.26	0.00	15.52	42.55		6000	32	ND<2.0	230	330	100	770	ND<4.0	ND<4.0	ND<4.0				
09/30/09	MW-8	40.00	0.00	17.15	48.87		1600	39	ND<2.0	ND<2.0	ND<2.0	170	790	ND<4.0	ND<4.0	ND<4.0				Ext. well
09/30/09	MW-9	40.13	0.00	16.65	48.74		22000	1300	ND<100	170	710	7800	13000	ND<200	ND<200	ND<200				Ext. well
09/30/09	MW-10	40.62	0.00	17.04	48.68		260	ND<0.50	ND<1.0	ND<1.0	ND<1.0	46	240	ND<2.0	ND<2.0	ND<2.0				Ext. well
09/30/09	MW-11	43.86	0.00	13.06	44.30		90000	1900	4100	3100	15000	1700	680	ND<100	ND<100	ND<100				
09/30/09	MW-12	48.95	43.85	-3.81	50.18		54	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.5	ND<10	ND<2.0	ND<2.0	ND<2.0				

CONTINUED ON NEXT PAGE

TABLE 1
CURRENT GROUNDWATER DATA
TEXACO SERVICE STATION
18502 Beach Boulevard, Huntington Beach

DATE	WELL	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	DO METHOD	COMMENTS
12/12/07	MW-1	38.88	0.00	18.36	44.14	10000		740	940	1700	820	ND<20	ND<200	ND<20	ND<20	ND<20				
12/12/07	MW-2	38.14	0.00	18.57	48.39	370		ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<5.0	1400	ND<5.0	ND<5.0	ND<5.0				
12/12/07	MW-3	38.84	0.00	18.37	48.19	850		ND<5.0	ND<5.0	ND<5.0	ND<10	1200	1300	ND<10	ND<10	ND<10				
12/12/07	MW-4	43.82	0.00	14.72	52.85	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
12/12/07	MW-5	40.02	0.00	17.00	50.02	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0				
12/12/07	MW-6	48.35	0.00	8.98	50.00	400		42	ND<1.0	1.3	ND<2.0	ND<2.0	26	ND<2.0	ND<2.0	ND<2.0				
12/12/07	MW-7	40.84	0.00	15.94	42.52	2800		ND<5.0	ND<5.0	60	10	1400	790	ND<10	ND<10	ND<10				
12/12/07	MW-8	38.25	0.00	18.90	48.14	6500		550	130	1200	650	410	1500	ND<10	ND<10	ND<10				
12/12/07	MW-9	38.56	0.13	18.32																
12/12/07	MW-10	38.79	0.00	18.87	48.08	310		ND<0.50	ND<0.50	ND<0.50	ND<1.0	23	1300	ND<1.0	ND<1.0	ND<1.0				
12/12/07	MW-11	44.11	0.00	12.81	44.18															Insufficient water
12/12/07	MW-12	49.06	0.00	7.04	49.48	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	51	20	2.4	ND<1.0	ND<1.0				
03/26/08	MW-1	38.53	0.00	18.71	44.19	20000		810	1600	1200	1670	ND<20	ND<200	ND<40	ND<40	ND<40				
03/26/08	MW-2	41.72	0.00	14.99	48.28	110		ND<0.50	ND<1.0	ND<1.0	ND<1.0	62	410	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-3	40.32	0.00	16.89	48.19	690		ND<0.50	ND<1.0	ND<1.0	ND<1.0	650	750	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-4	43.87	0.00	14.67	52.81	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-5	39.77	0.00	17.25	49.98	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-6	46.89	0.00	10.44	50.14	380		72	ND<1.0	2.9	ND<1.0	ND<1.0	19	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-7	40.72	0.00	16.06	42.60	2600		2.7	ND<1.0	21	1.2	1300	560	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-8	38.43	0.00	18.72	48.22	8400		150	180	520	260	400	260	ND<10	ND<10	ND<10				
03/26/08	MW-9	38.61	0.07	18.22																No sample taken
03/26/08	MW-10	38.84	0.00	18.82	48.10	430		ND<0.50	ND<1.0	ND<1.0	ND<1.0	8.9	1700	ND<2.0	ND<2.0	ND<2.0				
03/26/08	MW-11	44.10	0.00	12.82	44.20															Insufficient water
03/26/08	MW-12	49.50	0.00	6.60	50.13	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	8.9	23	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-1	38.83	0.00	18.41	44.13	17000		300	300	1300	852	ND<20	ND<200	ND<40	ND<40	ND<40				
06/18/08	MW-2	47.25	0.00	9.46	48.37	84		ND<0.50	ND<1.0	ND<1.0	ND<1.0	2.7	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-3	37.53	0.00	19.68	48.15	540		ND<5.0	ND<10	ND<10	ND<10	310	360	ND<20	ND<20	ND<20				
06/18/08	MW-4	43.97	0.00	14.57	52.85	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.1	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-5	39.88	0.00	17.14	50.01	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-6	48.20	0.00	9.13	50.00	460		41	ND<1.0	1.1	ND<1.0	ND<1.0	20	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-7	40.51	0.00	16.27	42.50	4000		100	ND<20	130	25	1400	710	ND<40	ND<40	ND<40				
06/18/08	MW-8	38.49	0.00	18.66	48.10	4300		200	10	400	ND<5.0	280	970	ND<10	ND<10	ND<10				
06/18/08	MW-9	39.56	5.08	21.03																No sample taken
06/18/08	MW-10	38.89	0.00	18.77	48.05	450		ND<0.50	ND<1.0	ND<1.0	ND<1.0	17	610	ND<2.0	ND<2.0	ND<2.0				
06/18/08	MW-11	43.84	0.00	13.08	43.90	73														Insufficient water
06/18/08	MW-12	49.65	0.00	6.45	50.18	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	29	ND<10	5.4	ND<2.0	ND<2.0				
09/22/08	MW-1	39.64	0.00	17.60	47.97	19000		200	140	1100	590	ND<20	ND<200	ND<40	ND<40	ND<40				
09/22/08	MW-2	38.84	0.00	17.87	49.02	910		1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2200	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-3	39.61	0.00	17.60	49.10	740		ND<5.0	ND<10	ND<10	ND<10	470	740	ND<20	ND<20	ND<20				
09/22/08	MW-4	44.08	0.00	14.46	53.15	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-5	40.30	0.00	16.72	50.63	ND<50		ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-6	48.25	0.00	9.08	50.25	590		160	ND<1.0	3.0	ND<1.0	ND<1.0	16	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-7	40.59	0.00	16.19	42.50	3300		91	15	35	27.5	1600	830	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-8	39.04	0.00	18.11	48.86	5800		190	9.4	640	7.0	180	1000	ND<10	ND<10	ND<10				
09/22/08	MW-9	40.13	0.00	16.65	48.69	74000		970	2900	2000	21700	11000	11000	ND<40	ND<40	ND<40				
09/22/08	MW-10	39.70	0.00	17.96	48.70	520		ND<0.50	ND<1.0	ND<1.0	ND<1.0	3.0	590	ND<2.0	ND<2.0	ND<2.0				
09/22/08	MW-11	43.92	0.00	13.00	44.07	31000		400	ND<50	630	1770	220	ND<500	ND<100	ND<100	ND<100				
09/22/08	MW-12	49.42	0.00	6.68	50.25	91		ND<0.50	ND<1.0	ND<1.0	ND<1.0	2.3	ND<10	2.7	ND<2.0	ND<2.0				

CONTINUED ON NEXT PAGE

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 18502 Beach Blvd. Huntington Beach, CA Date 6-25-10

Job Number 100625-SP1 Technician Sun. I Patel Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements "See Below"	Water Baled From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X								vault
MW-2	X								vault
MW-3	X								vault
MW-4	X								Stand pipe, no tag
MW-5	X	X							
MW-6	X	X							
MW-7	X								No tag
MW-8	X								vault
MW-9	X								vault
MW-10	X								vault
MW-11	X								
MW-12	X								No tag
MW-13	X								No tag
MW-14	X								No tag
MW-15	X								No tag

"Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE www.blainetech.com

TABLE 1
CURRENT GROUNDWATER DATA
TEXACO SERVICE STATION
18502 Beach Boulevard, Huntington Beach

DATE	WELL	DEPTH TO GW (feet)	SPH THICKN. (feet)	GW ELEV. (feet relative to MSL)	WELL DEPTH (feet)	TPH-G (ug/L)	TPPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL-BENZENE (ug/L)	TOTAL XYLENES (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	ETHANOL (ug/L)	DO (ppm)	DO METHOD	COMMENTS
12/29/09	MW-1	40.53	0.00	16.71	47.92		62000	2700	8700	1900	6200	ND<50	ND<500	ND<100	ND<100	ND<100				Ext. well
12/29/09	MW-2	39.76	0.00	16.95	49.25		260	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1300	ND<2.0	ND<2.0	ND<2.0				Ext. well
12/29/09	MW-3	40.66	0.00	16.55	48.98		180	ND<0.50	ND<1.0	ND<1.0	ND<1.0	120	95	ND<2.0	ND<2.0	ND<2.0				Ext. well
12/29/09	MW-4	44.77	0.00	13.77	53.09		51	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
12/29/09	MW-5	41.10	0.00	15.92	50.31		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
12/29/09	MW-6	49.51	0.00	7.82	50.14		380	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
12/29/09	MW-7	41.38	0.00	15.40	42.77		4600	9.8	ND<2.0	140	150	150	880	ND<4.0	ND<4.0	ND<4.0				
12/29/09	MW-8	40.00	0.00	17.15	48.98		1900	11	ND<1.0	1.4	ND<1.0	41	1400	ND<2.0	ND<2.0	ND<2.0				Ext. well
12/29/09	MW-9	40.13	0.00	16.65	48.75		45000	1200	ND<100	180	3800	8100	11000	ND<200	ND<200	ND<200				Ext. well
12/29/09	MW-10	40.56	0.00	17.10	48.72		350	ND<0.50	ND<1.0	ND<1.0	ND<1.0	53	250	ND<2.0	ND<2.0	ND<2.0				Ext. well
12/29/09	MW-11	45.27	0.11	11.65																
12/29/09	MW-12	49.12	0.00	6.98	50.32		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/04/10	MW-1	40.44	0.00	18.53	47.81		42000	1300	7700	1300	6100	ND<50	ND<500	ND<100	ND<100	ND<100				Ext. well
03/04/10	MW-2	39.44	0.00	18.52	49.04		210	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	830	ND<2.0	ND<2.0	ND<2.0				Ext. well
03/04/10	MW-3	40.24	0.00	18.33	48.83		170	ND<0.50	ND<1.0	ND<1.0	ND<1.0	170	170	ND<2.0	ND<2.0	ND<2.0				Ext. well
03/04/10	MW-4	41.83	0.00	21.40	52.65		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/04/10	MW-5	40.80	0.00	18.86	50.00		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/04/10	MW-6	49.55	0.00	10.41	50.15		500	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
03/04/10	MW-7	41.12	0.00	18.29	42.63		3400	11	ND<2.0	190	280	120	800	ND<4.0	ND<4.0	ND<2.0				
03/04/10	MW-8	39.73	0.00	18.66	48.82		920	ND<1.0	ND<2.0	ND<2.0	ND<2.0	8.0	610	ND<4.0	ND<4.0	ND<4.0				Ext. well
03/04/10	MW-9	39.89	0.00	18.22	48.63		29000	900	62	500	3500	5800	7300	ND<100	ND<100	ND<100				Ext. well
03/04/10	MW-10	40.38	0.00	18.59	48.78		260	ND<0.50	ND<1.0	ND<1.0	ND<1.0	12	270	ND<2.0	ND<2.0	ND<2.0				Ext. well
03/04/10	MW-11	44.89	0.14	14.77																
03/04/10	MW-12	49.40	0.00	9.33	50.21		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/10/10	MW-13	54.82	0.00	5.21	58.78															
06/10/10	MW-14				50.63															Well dry
06/10/10	MW-15	42.08	0.00	18.03	49.68															
06/25/10	MW-1	40.09	0.00	18.88	48.06		51000	940	6200	1700	5900	ND<50	ND<500	ND<100	ND<100	ND<100				
06/25/10	MW-2	38.88	0.00	19.08	49.00		140	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2300	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-3	39.47	0.00	19.10	48.87		93	ND<0.50	ND<1.0	ND<1.0	ND<1.0	63	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-4	44.58	0.00	18.65	51.89		720	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-5	40.79	0.00	18.87	50.00		ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-6	49.41	0.00	10.55	50.08		570	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-7	39.82	0.00	19.59	41.81		1400	19	ND<2.0	17	6.9	610	1200	ND<4.0	ND<4.0	ND<4.0				
06/25/10	MW-8	39.42	0.00	18.97	48.84		1400	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1600	ND<4.0	ND<4.0	ND<4.0				
06/25/10	MW-9	39.21	0.00	18.90	48.56		44000	780	ND<50	770	3000	7000	13000	ND<100	ND<100	ND<100				
06/25/10	MW-10	40.25	0.00	18.72	48.81		340	ND<0.50	ND<1.0	ND<1.0	ND<1.0	2.9	500	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-11	42.27	0.05	17.32																
06/25/10	MW-12	47.65	0.00	11.08	50.15		340	ND<0.50	ND<1.0	ND<1.0	ND<1.0	240	100	15	ND<2.0	ND<2.0				
06/25/10	MW-13	54.99	0.00	5.04	59.01		84	ND<0.50	ND<1.0	ND<1.0	ND<1.0	56	ND<10	ND<2.0	ND<2.0	ND<2.0				
06/25/10	MW-14				50.20															Well dry
06/25/10	MW-15	41.82	0.00	18.29	49.86		350	ND<0.50	ND<1.0	ND<1.0	ND<1.0	240	ND<10	ND<2.0	ND<2.0	ND<2.0				

Notes:
1. ND - Not detected
2. TBA - Tertiary-butyl alcohol
3. DIPE - Diisopropyl ether
4. ETBE - Ethyl tertiary-butyl ether
5. TAME - Tertiary-amyl methyl ether
6. TPH-G - Analyzed by method 8015B
7. TPPH - Analyzed by method 8260B

WELL GAUGING DATA

Project # 100625-SP1 Date 6-25-10 Client Shell

Site 18502 Beach Blvd. Huntington Beach, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0726	4					40.09	48.06		
MW-2	0824	4					38.88	49.00		
MW-3	1134	4					39.47	48.87		
MW-4	1244	4					44.58	51.89		Roots
MW-5	1336	4					40.79	50.00		Stinger
MW-6	0949	4					49.41	50.08		Stinger
MW-7	1020	4					39.82	41.81		
MW-8	0804	4					39.42	48.84		
MW-9	0845	4					39.21	48.56		
MW-10	0911	4					40.25	48.81		
MW-11	1403	4	odor	42.22	0.05	124	42.27	—		
MW-12	1059	4					47.65	50.15		
MW-13	1040	2					54.99	59.01		
MW-14	1329	2					Dry	50.20		
MW-15	1305	2					41.82	49.86		
	—									

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 48.06	Depth to Water (DTW): 40.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

Screened Interval: 36'-51' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No purge Sample —					
0725	72.6	7.0	3467	12		Bailer lowered 4 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0725 Depth to Water: 40.09

Sample I.D.: MW-1 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates) (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 49.00	Depth to Water (DTW): 38.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 36'-51' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample	—				
0830	73.0	7.3	4094	26		Bailer lowered 5 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0830 Depth to Water: 38.88

Sample I.D.: MW-2 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 48.87	Depth to Water (DTW): 39.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 36'-51' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample	—				
1140	73.8	7.8	2893	53		Bailer lowered 4.5 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1140 Depth to Water: 39.47

Sample I.D.: MW-3 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 51.89	Depth to Water (DTW): 44.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

Screened Interval: 36'-51' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
1250	71.4	7.1	3996	71000		Bailer lowered 3.5' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1250 Depth to Water: 44.58

Sample I.D.: MW-4 Laboratory: Test America CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 50.00	Depth to Water (DTW): 40.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

Screened Interval: 36'-46' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
1340	73.5	8.0	1957	5		Bailer lowered 5' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1340 Depth to Water: 40.79

Sample I.D.: MW-5 Laboratory: Test America CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 50.08	Depth to Water (DTW): 49.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 36'-51' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge		Sample —			
0955	70.7	7.6	6053	71000		Bailer lowered .25' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0955 Depth to Water: 49.41

Sample I.D.: MW-6 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 41.81	Depth to Water (DTW): 39.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 31'-46' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge		Sample —			
1025	74.8	7.0	3642	178		Bailer lowered .5' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1025 Depth to Water: 39.82

Sample I.D.: MW-7 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 48.84	Depth to Water (DTW): 39.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 20'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
0810	72.4	6.8	3978	5		Bailer lowered 4.5 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0810 Depth to Water: 39.42

Sample I.D.: MW-8 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 48.56	Depth to Water (DTW): 39.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 20'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No purge Sample —					
0850	73.1	7.2	3914	14		Bailer lowered 4.5 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0850 Depth to Water: 39.21

Sample I.D.: MW-9 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D (Oxygenates (5)) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 9599 5034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 48.81	Depth to Water (DTW): 40.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

Screened Interval: 20'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
0915	72.1	7.3	3265	6		Bailer lowered 4 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 0915 Depth to Water: 40.25

Sample I.D.: MW-10 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 9599 5034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 42.27
Depth to Free Product: 42.22	Thickness of Free Product (feet): 0.05
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

Screened Interval: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	Detected 0.05' SPH w/ Interface Probe.					
	≈ 124 mL SPH removed from well w/ disposable bailer.					
	Placed in drum on site. (BTS-1)					
—	No Sample taken —					Bailer lowered _____ ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 50.15	Depth to Water (DTW): 47.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:

Screened Interval: 35'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
1105	75.8	7.3	4770	107		Bailer lowered 1.5' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1105 Depth to Water: 47.65

Sample I.D.: MW-12 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-13	Well Diameter: (2) (3") (4") 6 8 ____
Total Well Depth (TD): 59.01	Depth to Water (DTW): 54.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:

Screened Interval: 30'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
—	No Purge Sample —					
1050	74.9	8.0	3561	144		Bailer lowered 2' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1050 Depth to Water: 54.99

Sample I.D.: MW-13 Laboratory: Test America (CalScience) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 50.20	Depth to Water (DTW): ~~[illegible]~~ DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

Screened Interval:_____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	Well	is	dry —			
—	No	Sample	taken	—		Bailer lowered _____' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100625-SP1	Site: 95995034
Sampler: SP	Date: 6-25-10
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 49.86	Depth to Water (DTW): 41.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

Screened Interval: 30'-50' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—	No	Purge	Sample —			
1310	75.3	7.4	5442	23		Bailer lowered 4 ' below DTW to obtain sample

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-25-10 Sampling Time: 1310 Depth to Water: 41.82

Sample I.D.: MW-15 Laboratory: Test America CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Calscience Environmental Laboratories, Inc.

July 01, 2010

Lorin King
Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Subject: **Calscience Work Order No.:** **10-06-2122**
Client Reference: **18502 Beach Blvd., Huntington Beach, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/25/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-06-2122-1-A**	**06/25/10 07:25**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 02:52**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	940	25	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
Ethylbenzene	1700	50	50		Diisopropyl Ether (DIPE)	ND	100	50	
Toluene	6200	50	50		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	
Xylenes (total)	5900	50	50		Tert-Amyl-Methyl Ether (TAME)	ND	100	50	
Methyl-t-Butyl Ether (MTBE)	ND	50	50		TPPH	51000	2500	50	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	105	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	99	80-120					

MW-2	**10-06-2122-2-A**	**06/25/10 08:30**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 03:19**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	2300	50	5	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	140	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	103	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	100	80-120					

MW-3	**10-06-2122-3-A**	**06/25/10 11:40**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 03:45**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	63	1.0	1		TPPH	93	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	100	80-131	
Toluene-d8	99	80-120		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	97	80-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-06-2122-4-A	06/25/10 12:50	Aqueous	GC/MS RR	06/26/10	06/27/10 04:12	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	720	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	80-126		1,2-Dichloroethane-d4	92	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	97	80-120					

MW-5	10-06-2122-5-A	06/25/10 13:40	Aqueous	GC/MS RR	06/26/10	06/27/10 01:33	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	98	80-131	
Toluene-d8	99	80-120		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	97	80-120					

MW-6	10-06-2122-6-A	06/25/10 09:55	Aqueous	GC/MS RR	06/26/10	06/27/10 04:38	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	570	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-126		1,2-Dichloroethane-d4	98	80-131	
Toluene-d8	99	80-120		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	99	80-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	10-06-2122-7-A	06/25/10 10:25	Aqueous	GC/MS RR	06/26/10	06/27/10 05:05	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	19	1.0	2		Tert-Butyl Alcohol (TBA)	1200	20	2	
Ethylbenzene	17	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
Toluene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Xylenes (total)	6.9	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Methyl-t-Butyl Ether (MTBE)	610	10	10		TPPH	1400	100	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	102	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	99	80-120					

MW-8	10-06-2122-8-A	06/25/10 08:10	Aqueous	GC/MS RR	06/26/10	06/27/10 05:31	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2		Tert-Butyl Alcohol (TBA)	1600	20	2	
Ethylbenzene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
Toluene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Xylenes (total)	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	2		TPPH	1400	100	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-126		1,2-Dichloroethane-d4	100	80-131	
Toluene-d8	101	80-120		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	99	80-120					

MW-9	10-06-2122-9-A	06/25/10 08:50	Aqueous	GC/MS RR	06/26/10	06/27/10 05:58	100626L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	780	25	50		Tert-Butyl Alcohol (TBA)	13000	500	50	
Ethylbenzene	770	50	50		Diisopropyl Ether (DIPE)	ND	100	50	
Toluene	ND	50	50		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	
Xylenes (total)	3000	50	50		Tert-Amyl-Methyl Ether (TAME)	ND	100	50	
Methyl-t-Butyl Ether (MTBE)	7000	50	50		TPPH	44000	2500	50	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	106	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	100	80-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**10-06-2122-10-B**	**06/25/10 09:15**	**Aqueous**	**GC/MS RR**	**06/28/10**	**06/28/10 20:40**	**100628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	500	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	2.9	1.0	1		TPPH	340	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	102	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	99	80-120							

MW-12	**10-06-2122-11-A**	**06/25/10 11:05**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 06:50**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	100	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	15	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	240	2.0	2		TPPH	340	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	99	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	99	80-120							

MW-13	**10-06-2122-12-A**	**06/25/10 10:50**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 07:17**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	56	1.0	1		TPPH	84	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	98	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15	**10-06-2122-13-A**	**06/25/10 13:10**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 07:43**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	240	2.0	2		TPPH	350	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	80-126			1,2-Dichloroethane-d4	95	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	98	80-120							

Method Blank	**099-12-767-4,162**	**N/A**	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10 01:07**	**100626L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	100	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	98	80-120							

Method Blank	**099-12-767-4,167**	**N/A**	**Aqueous**	**GC/MS RR**	**06/28/10**	**06/28/10 15:50**	**100628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	97	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,170**	**N/A**	**Aqueous**	**GC/MS RR**	**06/29/10**	**06/29/10 13:37**	**100629L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	99	80-131	
Toluene-d8	99	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	98	80-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-5	**Aqueous**	**GC/MS RR**	**06/26/10**	**06/27/10**	**100626S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	93	80-120	4	0-20	
Carbon Tetrachloride	88	85	55-151	4	0-20	
Chlorobenzene	92	87	80-120	5	0-20	
1,2-Dibromoethane	90	96	77-125	7	0-20	
1,2-Dichlorobenzene	88	87	78-120	2	0-20	
1,2-Dichloroethane	97	101	80-120	5	0-20	
1,1-Dichloroethene	95	91	69-129	5	0-20	
Ethylbenzene	90	86	73-127	5	0-20	
Toluene	96	93	80-120	3	0-20	
Trichloroethene	96	92	67-133	4	0-20	
Vinyl Chloride	83	83	67-133	0	0-20	
Methyl-t-Butyl Ether (MTBE)	90	99	65-131	10	0-22	
Tert-Butyl Alcohol (TBA)	93	93	62-134	0	0-20	
Diisopropyl Ether (DIPE)	97	97	64-136	0	0-29	
Ethyl-t-Butyl Ether (ETBE)	92	96	70-124	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	95	71-125	10	0-20	
Ethanol	95	78	44-152	19	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2120-2	**Aqueous**	**GC/MS RR**	**06/28/10**	**06/28/10**	**100628S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	100	80-120	1	0-20	
Carbon Tetrachloride	90	90	55-151	0	0-20	
Chlorobenzene	96	95	80-120	1	0-20	
1,2-Dibromoethane	90	90	77-125	1	0-20	
1,2-Dichlorobenzene	91	92	78-120	1	0-20	
1,2-Dichloroethane	97	98	80-120	1	0-20	
1,1-Dichloroethene	101	100	69-129	1	0-20	
Ethylbenzene	97	96	73-127	1	0-20	
Toluene	101	101	80-120	0	0-20	
Trichloroethene	100	101	67-133	1	0-20	
Vinyl Chloride	106	104	67-133	2	0-20	
Methyl-t-Butyl Ether (MTBE)	88	90	65-131	1	0-22	
Tert-Butyl Alcohol (TBA)	266	198	62-134	4	0-20	3
Diisopropyl Ether (DIPE)	98	98	64-136	0	0-29	
Ethyl-t-Butyl Ether (ETBE)	93	94	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	90	71-125	1	0-20	
Ethanol	109	99	44-152	9	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: 06/25/10
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2079-1	**Aqueous**	**GC/MS RR**	**06/29/10**	**06/29/10**	**100629S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	80-120	3	0-20	
Carbon Tetrachloride	87	92	55-151	6	0-20	
Chlorobenzene	92	93	80-120	2	0-20	
1,2-Dibromoethane	87	90	77-125	3	0-20	
1,2-Dichlorobenzene	88	89	78-120	2	0-20	
1,2-Dichloroethane	96	100	80-120	4	0-20	
1,1-Dichloroethene	100	102	69-129	2	0-20	
Ethylbenzene	91	93	73-127	2	0-20	
Toluene	99	101	80-120	1	0-20	
Trichloroethene	99	100	67-133	2	0-20	
Vinyl Chloride	92	92	67-133	0	0-20	
Methyl-t-Butyl Ether (MTBE)	90	94	65-131	5	0-22	
Tert-Butyl Alcohol (TBA)	90	93	62-134	2	0-20	
Diisopropyl Ether (DIPE)	100	103	64-136	3	0-29	
Ethyl-t-Butyl Ether (ETBE)	93	98	70-124	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	87	90	71-125	3	0-20	
Ethanol	86	93	44-152	7	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: N/A
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,162	Aqueous	GC/MS RR	06/26/10	06/27/10	100626L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	96	97	80-120	73-127	1	0-20	
Carbon Tetrachloride	88	91	67-139	55-151	3	0-22	
Chlorobenzene	92	94	80-120	73-127	2	0-20	
1,2-Dibromoethane	95	92	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	89	91	79-120	72-127	2	0-20	
1,2-Dichloroethane	101	97	80-120	73-127	3	0-20	
1,1-Dichloroethene	94	97	71-125	62-134	2	0-25	
Ethylbenzene	91	93	80-123	73-130	2	0-20	
Toluene	97	97	80-120	73-127	0	0-20	
Trichloroethene	96	97	80-120	73-127	0	0-20	
Vinyl Chloride	85	82	68-140	56-152	2	0-23	
Methyl-t-Butyl Ether (MTBE)	95	91	75-123	67-131	4	0-25	
Tert-Butyl Alcohol (TBA)	92	91	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	99	98	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	95	94	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	93	89	79-121	72-128	5	0-20	
Ethanol	83	90	53-143	38-158	8	0-25	
TPPH	98	100	65-135	53-147	2	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc
20735 Belshaw Avenue
Carson, CA 90746-3509

Date Received: N/A
Work Order No: 10-06-2122
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,167	Aqueous	GC/MS RR	06/28/10	06/28/10	100628L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	96	80-120	73-127	1	0-20	
Carbon Tetrachloride	88	87	67-139	55-151	0	0-22	
Chlorobenzene	94	93	80-120	73-127	1	0-20	
1,2-Dibromoethane	91	102	80-120	73-127	11	0-20	
1,2-Dichlorobenzene	92	90	79-120	72-127	1	0-20	
1,2-Dichloroethane	97	104	80-120	73-127	7	0-20	
1,1-Dichloroethene	98	95	71-125	62-134	3	0-25	
Ethylbenzene	94	92	80-123	73-130	3	0-20	
Toluene	99	98	80-120	73-127	1	0-20	
Trichloroethene	99	97	80-120	73-127	2	0-20	
Vinyl Chloride	99	99	68-140	56-152	0	0-23	
Methyl-t-Butyl Ether (MTBE)	92	105	75-123	67-131	14	0-25	
Tert-Butyl Alcohol (TBA)	97	103	72-126	63-135	6	0-20	
Diisopropyl Ether (DIPE)	99	102	75-129	66-138	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	95	103	76-124	68-132	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	101	79-121	72-128	12	0-20	
Ethanol	96	91	53-143	38-158	6	0-25	
TPPH	102	101	65-135	53-147	0	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc	Date Received:	N/A
20735 Belshaw Avenue	Work Order No:	10-06-2122
Carson, CA 90746-3509	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,170	Aqueous	GC/MS RR	06/29/10	06/29/10	100629L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	99	80-120	73-127	0	0-20	
Carbon Tetrachloride	91	91	67-139	55-151	0	0-22	
Chlorobenzene	94	93	80-120	73-127	1	0-20	
1,2-Dibromoethane	90	90	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	91	89	79-120	72-127	3	0-20	
1,2-Dichloroethane	98	99	80-120	73-127	1	0-20	
1,1-Dichloroethene	102	101	71-125	62-134	1	0-25	
Ethylbenzene	95	93	80-123	73-130	2	0-20	
Toluene	102	100	80-120	73-127	1	0-20	
Trichloroethene	101	101	80-120	73-127	1	0-20	
Vinyl Chloride	92	90	68-140	56-152	3	0-23	
Methyl-t-Butyl Ether (MTBE)	92	92	75-123	67-131	0	0-25	
Tert-Butyl Alcohol (TBA)	86	92	72-126	63-135	7	0-20	
Diisopropyl Ether (DIPE)	103	102	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	97	95	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	90	79-121	72-128	1	0-20	
Ethanol	86	90	53-143	38-158	4	0-25	
TPPH	103	102	65-135	53-147	1	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-2122

Qualifier	Definition
*	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.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE
- [ ] SPL
- [ ] XENCO
- [ ] TEST AMERICA
- [ ] OTHER

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 6-25-10
PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTST
ADDRESS: 10735 Belshaw Ave, Carson, CA 90746
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: 310-885-4455
FAX: 310-637-5802
E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 18502 Beach Blvd, Huntington Beach
State: CA
GLOBAL ID NO.: T0605901877
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Baisitis, WPI, Buena Park office
PHONE NO.: 714-826-0352
E-MAIL: tbaisitis@wpinc.com
CONSULTANT PROJECT NO.: 09.666
SAMPLER NAME(S) (Print): Sunil Patel
LAB USE ONLY: 10-06-2/22

TURNAROUND TIME (CALENDAR DAYS):
- [ ] STANDARD (14 DAY)
- [x] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [x] UST AGENCY: OCHCA

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-G - Purgeable (8260B)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-D - Extractable (8015M)	TCE (8260B)	TEMPERATURE ON REC: C° / Container PID Readings or Laboratory Notes
11	MW-12 6-25-10		1105	W	X					3	X	X	X							
12	MW-13		1050		X						X	X	X							
13	MW-15		1310		X						X	X	X							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Sunil Patel	Sunil Patel S.C.	6-25-10	1605
BTI SC	Aly Hungy CEL	6/25/10	1615
Aly Hungy	Dannigle CEL	6/25/10	18:15

05/2/06 Revision

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE
- [ ] SPL
- [ ] XENCO
- [ ] TEST AMERICA
- [ ] OTHER

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 6-25-10
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTST
ADDRESS: 10735 Belshaw Ave, Carson, CA 90746
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: 310-885-4455
FAX: 310-637-5802
E-MAIL: lking@blainetech.com
SITE ADDRESS: Street and City: 18502 Beach Blvd, Huntington Beach
State: CA
GLOBAL ID NO.: T0605901877
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Baisitis, WPI, Buena Park office
PHONE NO.: 714-826-0352
E-MAIL: tbaisitis@wpinc.com
CONSULTANT PROJECT NO.: 09.666
SAMPLER NAME(S) (Print): Sunil Patel
LAB USE ONLY: 10-06-2/22

TURNAROUND TIME (CALENDAR DAYS):
- [ ] STANDARD (14 DAY)
- [x] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [x] UST AGENCY: OCHCA

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-G - Purgeable (8260B)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-D - Extractable (8015M)	TCE (8260B)	TEMPERATURE ON REC: C° / Container PID Readings or Laboratory Notes
1	MW-1 6-25-10		0725	W	X					3	X	X	X							
2	MW-2		0830		X						X	X	X							
3	MW-3		1140		X						X	X	X							
4	MW-4		1250		X						X	X	X							
5	MW-5		1310		X						X	X	X							
6	MW-6		0955		X						X	X	X							
7	MW-7		1025		X						X	X	X							
8	MW-8		0810		X						X	X	X							
9	MW-9		0850		X						X	X	X							
10	MW-10		0915		X						X	X	X							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Sunil Patel	Sunil Patel S.C.	6-25-10	1605
BTI	Aly Hungy CEL	6/25/10	1615
Aly Hungy	Dannigle CEL	6/25/10	18:15

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2122

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BLAING TECH

DATE: 06/25/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.7 °C + 0.5 °C (CF) = 4.2 °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 ☐ Metals Only ☐ PCBs Only Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WSC

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

CONTAINER TYPE:

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

Water: ☐VOA ☑3 VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSC

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

SOP T100_090 (05/10/10)

APPENDIX F

LABOROTY REPORT AND CHAIN OF CUSTODY DOCUMENTS FOR DEPTH DISCRETE GROUNDWATER AND SOIL ANALYSES

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

June 02, 2010

The original report has been revised/corrected.

Truedi Balsitis
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Subject: **Calscience Work Order No.:** **10-05-1484**
Client Reference: **18502 Beach Blvd., Huntington Beach, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/19/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/19/10
8281 Commonwealth Avenue	Work Order No:	10-05-1484
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d10	**10-05-1484-1-A**	**05/19/10 08:15**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 15:09**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d15	**10-05-1484-2-A**	**05/19/10 08:20**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 15:28**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	127	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d20	**10-05-1484-3-A**	**05/19/10 08:25**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 15:47**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d25	**10-05-1484-4-A**	**05/19/10 08:30**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 16:05**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.		Date Received:	05/19/10
8281 Commonwealth Avenue		Work Order No:	10-05-1484
Buena Park, CA 90621-2537		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d30	**10-05-1484-5-A**	**05/19/10 08:35**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 16:23**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d35	**10-05-1484-6-A**	**05/19/10 08:40**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 16:40**	**100521B09**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	1200000	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d40	**10-05-1484-7-A**	**05/19/10 08:50**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 16:58**	**100521B09**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	59000	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	134	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.		Date Received:	05/19/10
8281 Commonwealth Avenue		Work Order No:	10-05-1484
Buena Park, CA 90621-2537		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d45	**10-05-1484-8-A**	**05/19/10 08:55**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 17:17**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d50	**10-05-1484-9-A**	**05/19/10 09:05**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 17:35**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	129	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d54	**10-05-1484-10-A**	**05/19/10 09:10**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 17:54**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	127	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d10	**10-05-1484-13-A**	**05/19/10 12:30**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 18:30**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d15	10-05-1484-14-A	05/19/10 12:35	Solid	GC 27	05/21/10	05/21/10 18:48	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	139	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d20	10-05-1484-15-A	05/19/10 12:40	Solid	GC 27	05/21/10	05/21/10 19:06	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	128	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d30	10-05-1484-16-A	05/19/10 12:50	Solid	GC 27	05/21/10	05/21/10 19:25	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	126	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d35	10-05-1484-17-A	05/19/10 13:00	Solid	GC 27	05/21/10	05/21/10 19:43	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	139	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d40	10-05-1484-18-A	05/19/10 13:05	Solid	GC 27	05/21/10	05/21/10 20:01	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	126	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d45	10-05-1484-19-A	05/19/10 13:15	Solid	GC 27	05/21/10	05/21/10 20:20	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d54	10-05-1484-20-A	05/19/10 13:30	Solid	GC 27	05/21/10	05/21/10 20:37	100521B09

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d50	10-05-1484-22-A	05/19/10 13:20	Solid	GC 27	05/21/10	05/21/10 20:56	100521B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	64000	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	135	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/19/10
8281 Commonwealth Avenue	Work Order No:	10-05-1484
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,068**	**N/A**	**Solid**	**GC 27**	**05/21/10**	**05/21/10 13:39**	**100521B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5000	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/19/10
8281 Commonwealth Avenue	Work Order No:	10-05-1484
Buena Park, CA 90621-2537	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d45	**10-05-1484-11-D**	**05/19/10 09:30**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 23:02**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	250	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d60	**10-05-1484-12-D**	**05/19/10 10:55**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 23:17**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	390	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d60	**10-05-1484-21-D**	**05/19/10 14:30**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 23:34**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	250	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/19/10
8281 Commonwealth Avenue	Work Order No:	10-05-1484
Buena Park, CA 90621-2537	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,675**	**N/A**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 20:55**	**100521B05**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/19/10
8281 Commonwealth Avenue	Work Order No:	10-05-1484
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d45	**10-05-1484-11-B**	**05/19/10 09:30**	**Aqueous**	**GC/MS LL**	**05/27/10**	**05/27/10 18:33**	**100527L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	84	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	100	2.0	2	
Bromochloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromodichloromethane	ND	2.0	2		Isopropylbenzene	4.1	2.0	2	
Bromoform	ND	2.0	2		p-Isopropyltoluene	ND	2.0	2	
Bromomethane	ND	20	2		Methylene Chloride	ND	20	2	
2-Butanone	ND	20	2		4-Methyl-2-Pentanone	ND	20	2	
n-Butylbenzene	5.0	2.0	2		Naphthalene	ND	20	2	
sec-Butylbenzene	ND	2.0	2		n-Propylbenzene	15	2.0	2	
tert-Butylbenzene	ND	2.0	2		Styrene	ND	2.0	2	
Carbon Disulfide	ND	20	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		Tetrachloroethene	ND	2.0	2	
Chloroethane	ND	10	2		Toluene	370	2.0	2	
Chloroform	ND	2.0	2		1,2,3-Trichlorobenzene	ND	2.0	2	
Chloromethane	ND	20	2		1,2,4-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		Trichloroethene	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
Dibromomethane	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	140	2.0	2	
1,3-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	40	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		Vinyl Acetate	ND	20	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,1-Dichloroethane	ND	2.0	2		Xylenes (total)	540	2.0	2	
1,2-Dichloroethane	17	1.0	2		Methyl-t-Butyl Ether (MTBE)	67	2.0	2	
1,1-Dichloroethene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	96	20	2	
c-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
t-1,2-Dichloroethene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	
2,2-Dichloropropane	ND	2.0	2		TPPH	2100	100	2	
1,1-Dichloropropene	ND	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-132		1,2-Dichloroethane-d4	104	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	98	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d60	10-05-1484-12-B	05/19/10 10:55	Aqueous	GC/MS LL	05/27/10	05/27/10 19:02	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	2.9	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	1.1	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	2.6	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	1.5	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	4.9	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.1	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	55	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8-TPPH	97	88-112		Toluene-d8	101	80-120	
1,4-Bromofluorobenzene	96	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d60	10-05-1484-21-B	05/19/10 14:30	Aqueous	GC/MS LL	05/27/10	05/27/10 19:32	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	0.81	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	4.4	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	1.1	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	8.0	1.0	1	
Chloroform	1.3	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	6.0	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	1.8	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	20	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	11	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	90	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	108	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	97	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,011**	**N/A**	**Aqueous**	**GC/MS LL**	**05/27/10**	**05/27/10 16:04**	**100527L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	99	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d10	**10-05-1484-1-A**	**05/19/10 08:15**	**Solid**	**GC/MS RR**	**05/23/10**	**05/24/10 01:17**	**100523L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	ND	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	107	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d15	10-05-1484-2-A	05/19/10 08:20	Solid	GC/MS RR	05/23/10	05/24/10 03:03	100523L02

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	1200	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137	
Toluene-d8	97	87-111	
Toluene-d8-TPPH	91	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	99	58-160	
1,4-Bromofluorobenzene	95	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d20	10-05-1484-3-A	05/19/10 08:25	Solid	GC/MS UU	05/26/10	05/26/10 16:38	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137	
Toluene-d8	100	87-111	
Toluene-d8-TPPH	100	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	90	58-160	
1,4-Bromofluorobenzene	96	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d25	10-05-1484-4-A	05/19/10 08:30	Solid	GC/MS UU	05/26/10	05/26/10 17:04	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137	
Toluene-d8	97	87-111	
Toluene-d8-TPPH	97	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	91	58-160	
1,4-Bromofluorobenzene	96	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d30	10-05-1484-5-A	05/19/10 08:35	Solid	GC/MS UU	05/26/10	05/26/10 17:30	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	71-137	
Toluene-d8	97	87-111	
Toluene-d8-TPPH	97	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	92	58-160	
1,4-Bromofluorobenzene	94	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d35	10-05-1484-6-A	05/19/10 08:40	Solid	GC/MS W	05/26/10	05/26/10 18:49	100526L02

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120000	4800	1000	
Benzene	ND	5000	200	1000	
Bromobenzene	ND	5000	230	1000	
Bromochloromethane	ND	5000	780	1000	
Bromodichloromethane	ND	5000	610	1000	
Bromoform	ND	5000	760	1000	
Bromomethane	ND	25000	3300	1000	
2-Butanone	ND	50000	3200	1000	
n-Butylbenzene	42000	5000	140	1000	
sec-Butylbenzene	7000	5000	170	1000	
tert-Butylbenzene	ND	5000	870	1000	
Carbon Disulfide	ND	50000	240	1000	
Carbon Tetrachloride	ND	5000	1200	1000	
Chlorobenzene	ND	5000	240	1000	
Chloroethane	ND	5000	2600	1000	
Chloroform	ND	5000	580	1000	
Chloromethane	ND	25000	3000	1000	
2-Chlorotoluene	ND	5000	200	1000	
4-Chlorotoluene	ND	5000	290	1000	
Dibromochloromethane	ND	5000	420	1000	
1,2-Dibromo-3-Chloropropane	ND	25000	2600	1000	
1,2-Dibromoethane	ND	5000	250	1000	
Dibromomethane	ND	5000	1200	1000	
1,2-Dichlorobenzene	ND	5000	260	1000	
1,3-Dichlorobenzene	ND	5000	260	1000	
1,4-Dichlorobenzene	ND	5000	210	1000	
Dichlorodifluoromethane	ND	5000	3000	1000	
1,1-Dichloroethane	ND	5000	260	1000	
1,2-Dichloroethane	ND	5000	260	1000	
1,1-Dichloroethene	ND	5000	290	1000	
c-1,2-Dichloroethene	ND	5000	830	1000	
t-1,2-Dichloroethene	ND	5000	680	1000	
1,2-Dichloropropane	ND	5000	360	1000	
1,3-Dichloropropane	ND	5000	210	1000	
2,2-Dichloropropane	ND	5000	560	1000	
1,1-Dichloropropene	ND	5000	490	1000	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5000	690	1000	
t-1,3-Dichloropropene	ND	5000	210	1000	
Ethylbenzene	44000	5000	160	1000	
2-Hexanone	ND	50000	4700	1000	
Isopropylbenzene	6500	5000	2200	1000	
p-Isopropyltoluene	ND	5000	180	1000	
Methylene Chloride	ND	50000	2300	1000	
4-Methyl-2-Pentanone	ND	50000	1500	1000	
Naphthalene	ND	50000	360	1000	
n-Propylbenzene	38000	5000	170	1000	
Styrene	ND	5000	1300	1000	
1,1,1,2-Tetrachloroethane	ND	5000	240	1000	
1,1,2,2-Tetrachloroethane	ND	5000	430	1000	
Tetrachloroethene	ND	5000	360	1000	
Toluene	31000	5000	290	1000	
1,2,3-Trichlorobenzene	ND	10000	330	1000	
1,2,4-Trichlorobenzene	ND	5000	790	1000	
1,1,1-Trichloroethane	ND	5000	1300	1000	
1,1,2-Trichloroethane	ND	5000	440	1000	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50000	820	1000	
Trichloroethene	ND	5000	480	1000	
1,2,3-Trichloropropane	ND	5000	610	1000	
1,2,4-Trimethylbenzene	310000	10000	310	2000	
Trichlorofluoromethane	ND	50000	980	1000	
1,3,5-Trimethylbenzene	110000	5000	2200	1000	
Vinyl Acetate	ND	50000	11000	1000	
Vinyl Chloride	ND	5000	950	1000	
Xylenes (total)	380000	5000	320	1000	
Methyl-t-Butyl Ether (MTBE)	ND	5000	250	1000	
Tert-Butyl Alcohol (TBA)	ND	50000	22000	1000	
Diisopropyl Ether (DIPE)	ND	10000	340	1000	
Ethyl-t-Butyl Ether (ETBE)	ND	10000	280	1000	
Tert-Amyl-Methyl Ether (TAME)	ND	10000	260	1000	
Ethanol	ND	500000	100000	1000	
TPPH	3600000	500000	130000	1000	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	71-137	
Toluene-d8	111	87-111	
Toluene-d8-TPPH	108	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	126	58-160	
1,4-Bromofluorobenzene	103	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d40	10-05-1484-7-A	05/19/10 08:50	Solid	GC/MS UU	05/26/10	05/26/10 17:57	100526L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	18	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	110	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	9.4	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	97	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	17	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	76	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	390	500	25	100	J
Tert-Butyl Alcohol (TBA)	3600	5000	2200	100	J
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	810	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	71-137	
Toluene-d8	98	87-111	
Toluene-d8-TPPH	98	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	91	58-160	
1,4-Bromofluorobenzene	99	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d45	10-05-1484-8-A	05/19/10 08:55	Solid	GC/MS W	05/26/10	05/26/10 19:19	100526L02

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100	
Benzene	ND	500	20	100	
Bromobenzene	ND	500	23	100	
Bromochloromethane	ND	500	78	100	
Bromodichloromethane	ND	500	61	100	
Bromoform	ND	500	76	100	
Bromomethane	ND	2500	330	100	
2-Butanone	ND	5000	320	100	
n-Butylbenzene	690	500	14	100	
sec-Butylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100	
Carbon Disulfide	ND	5000	24	100	
Carbon Tetrachloride	ND	500	120	100	
Chlorobenzene	ND	500	24	100	
Chloroethane	ND	500	260	100	
Chloroform	ND	500	58	100	
Chloromethane	ND	2500	300	100	
2-Chlorotoluene	ND	500	20	100	
4-Chlorotoluene	ND	500	29	100	
Dibromochloromethane	ND	500	42	100	
1,2-Dibromo-3-Chloropropane	ND	2500	260	100	
1,2-Dibromoethane	ND	500	25	100	
Dibromomethane	ND	500	120	100	
1,2-Dichlorobenzene	ND	500	26	100	
1,3-Dichlorobenzene	ND	500	26	100	
1,4-Dichlorobenzene	ND	500	21	100	
Dichlorodifluoromethane	ND	500	300	100	
1,1-Dichloroethane	ND	500	26	100	
1,2-Dichloroethane	ND	500	26	100	
1,1-Dichloroethene	ND	500	29	100	
c-1,2-Dichloroethene	ND	500	83	100	
t-1,2-Dichloroethene	ND	500	68	100	
1,2-Dichloropropane	ND	500	36	100	
1,3-Dichloropropane	ND	500	21	100	
2,2-Dichloropropane	ND	500	56	100	
1,1-Dichloropropene	ND	500	49	100	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	500	69	100	
t-1,3-Dichloropropene	ND	500	21	100	
Ethylbenzene	1000	500	16	100	
2-Hexanone	ND	5000	470	100	
Isopropylbenzene	ND	500	220	100	
p-Isopropyltoluene	ND	500	18	100	
Methylene Chloride	ND	5000	230	100	
4-Methyl-2-Pentanone	ND	5000	150	100	
Naphthalene	ND	5000	36	100	
n-Propylbenzene	540	500	17	100	
Styrene	ND	500	130	100	
1,1,1,2-Tetrachloroethane	ND	500	24	100	
1,1,2,2-Tetrachloroethane	ND	500	43	100	
Tetrachloroethene	ND	500	36	100	
Toluene	ND	500	29	100	
1,2,3-Trichlorobenzene	ND	1000	33	100	
1,2,4-Trichlorobenzene	ND	500	79	100	
1,1,1-Trichloroethane	ND	500	130	100	
1,1,2-Trichloroethane	ND	500	44	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
Trichloroethene	ND	500	48	100	
1,2,3-Trichloropropane	ND	500	61	100	
1,2,4-Trimethylbenzene	5200	500	15	100	
Trichlorofluoromethane	ND	5000	98	100	
1,3,5-Trimethylbenzene	1400	500	220	100	
Vinyl Acetate	ND	5000	1100	100	
Vinyl Chloride	ND	500	95	100	
Xylenes (total)	4100	500	32	100	
Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
Diisopropyl Ether (DIPE)	ND	1000	34	100	
Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
Ethanol	ND	50000	10000	100	
TPPH	69000	50000	13000	100	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	71-137	
Toluene-d8	102	87-111	
Toluene-d8-TPPH	99	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	102	58-160	
1,4-Bromofluorobenzene	95	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d50	10-05-1484-9-A	05/19/10 09:05	Solid	GC/MS UU	05/26/10	05/26/10 18:23	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	13	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137	
Toluene-d8	97	87-111	
Toluene-d8-TPPH	97	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	93	58-160	
1,4-Bromofluorobenzene	90	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-1d54	**10-05-1484-10-A**	**05/19/10 09:10**	**Solid**	**GC/MS UU**	**05/26/10**	**05/26/10 18:49**	**100526L01**

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	71-137	
Toluene-d8	97	87-111	
Toluene-d8-TPPH	97	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	90	58-160	
1,4-Bromofluorobenzene	97	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d10	**10-05-1484-13-A**	**05/19/10 12:30**	**Solid**	**GC/MS UU**	**05/26/10**	**05/26/10 14:17**	**100526L01**

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	71-137	
Toluene-d8	99	87-111	
Toluene-d8-TPPH	99	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	90	58-160	
1,4-Bromofluorobenzene	95	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d15	10-05-1484-14-A	05/19/10 12:35	Solid	GC/MS W	05/27/10	05/27/10 16:28	100527L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	71-137	
Toluene-d8	99	87-111	
Toluene-d8-TPPH	97	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	122	58-160	
1,4-Bromofluorobenzene	84	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d20	10-05-1484-15-A	05/19/10 12:40	Solid	GC/MS UU	05/26/10	05/26/10 19:41	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137	
Toluene-d8	99	87-111	
Toluene-d8-TPPH	98	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	91	58-160	
1,4-Bromofluorobenzene	96	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d30	10-05-1484-16-A	05/19/10 12:50	Solid	GC/MS UU	05/26/10	05/26/10 20:08	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137	
Toluene-d8	100	87-111	
Toluene-d8-TPPH	100	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	91	58-160	
1,4-Bromofluorobenzene	95	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d35	10-05-1484-17-A	05/19/10 13:00	Solid	GC/MS UU	05/26/10	05/26/10 20:34	100526L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	71-137	
Toluene-d8	98	87-111	
Toluene-d8-TPPH	98	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	92	58-160	
1,4-Bromofluorobenzene	96	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d40	10-05-1484-18-A	05/19/10 13:05	Solid	GC/MS W	05/27/10	05/27/10 15:00	100527L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	6.0	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	23	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	5.3	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	27	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	440	500	25	100	J
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	3200	5000	2200	100	J
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	520	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	71-137		1,2-Dichloroethane-d4	119	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	92	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d45	10-05-1484-19-A	05/19/10 13:15	Solid	GC/MS UU	05/26/10	05/26/10 21:00	100526L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	29	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	7.6	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	28	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	56	5.0	0.25	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	210	50	22	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	550	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	71-137		1,2-Dichloroethane-d4	94	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d54	**10-05-1484-20-A**	**05/19/10 13:30**	**Solid**	**GC/MS W**	**05/27/10**	**05/27/10 14:31**	**100527L01**

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1	
Benzene	ND	5.0	0.20	1	
Bromobenzene	ND	5.0	0.23	1	
Bromochloromethane	ND	5.0	0.78	1	
Bromodichloromethane	ND	5.0	0.61	1	
Bromoform	ND	5.0	0.76	1	
Bromomethane	ND	25	3.3	1	
2-Butanone	ND	50	3.2	1	
n-Butylbenzene	ND	5.0	0.14	1	
sec-Butylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1	
Carbon Disulfide	ND	50	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1	
Chlorobenzene	ND	5.0	0.24	1	
Chloroethane	ND	5.0	2.6	1	
Chloroform	ND	5.0	0.58	1	
Chloromethane	ND	25	3.0	1	
2-Chlorotoluene	ND	5.0	0.20	1	
4-Chlorotoluene	ND	5.0	0.29	1	
Dibromochloromethane	ND	5.0	0.42	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1	
1,2-Dibromoethane	ND	5.0	0.25	1	
Dibromomethane	ND	5.0	1.2	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1	
Dichlorodifluoromethane	ND	5.0	3.0	1	
1,1-Dichloroethane	ND	5.0	0.26	1	
1,2-Dichloroethane	ND	5.0	0.26	1	
1,1-Dichloroethene	ND	5.0	0.29	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1	
1,2-Dichloropropane	ND	5.0	0.36	1	
1,3-Dichloropropane	ND	5.0	0.21	1	
2,2-Dichloropropane	ND	5.0	0.56	1	
1,1-Dichloropropene	ND	5.0	0.49	1	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	5.0	0.69	1	
t-1,3-Dichloropropene	ND	5.0	0.21	1	
Ethylbenzene	ND	5.0	0.16	1	
2-Hexanone	ND	50	4.7	1	
Isopropylbenzene	ND	5.0	2.2	1	
p-Isopropyltoluene	ND	5.0	0.18	1	
Methylene Chloride	ND	50	2.3	1	
4-Methyl-2-Pentanone	ND	50	1.5	1	
Naphthalene	ND	50	0.36	1	
n-Propylbenzene	ND	5.0	0.17	1	
Styrene	ND	5.0	1.3	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Tetrachloroethene	ND	5.0	0.36	1	
Toluene	ND	5.0	0.29	1	
1,2,3-Trichlorobenzene	ND	10	0.33	1	
1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
1,1,1-Trichloroethane	ND	5.0	1.3	1	
1,1,2-Trichloroethane	ND	5.0	0.44	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
Trichloroethene	ND	5.0	0.48	1	
1,2,3-Trichloropropane	ND	5.0	0.61	1	
1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
Trichlorofluoromethane	ND	50	0.98	1	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
Vinyl Acetate	ND	50	11	1	
Vinyl Chloride	ND	5.0	0.95	1	
Xylenes (total)	ND	5.0	0.32	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
Tert-Butyl Alcohol (TBA)	ND	50	22	1	
Diisopropyl Ether (DIPE)	ND	10	0.34	1	
Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
Ethanol	ND	500	100	1	
TPPH	ND	500	130	1	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	125	71-137	
Toluene-d8	102	87-111	
Toluene-d8-TPPH	98	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	124	58-160	
1,4-Bromofluorobenzene	86	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-2d50	**10-05-1484-22-A**	**05/19/10 13:20**	**Solid**	**GC/MS W**	**05/26/10**	**05/26/10 20:46**	**100526L02**

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50000	1900	400	
Benzene	ND	2000	80	400	
Bromobenzene	ND	2000	92	400	
Bromochloromethane	ND	2000	310	400	
Bromodichloromethane	ND	2000	240	400	
Bromoform	ND	2000	300	400	
Bromomethane	ND	10000	1300	400	
2-Butanone	ND	20000	1300	400	
n-Butylbenzene	6900	2000	57	400	
sec-Butylbenzene	ND	2000	68	400	
tert-Butylbenzene	ND	2000	350	400	
Carbon Disulfide	ND	20000	95	400	
Carbon Tetrachloride	ND	2000	490	400	
Chlorobenzene	ND	2000	95	400	
Chloroethane	ND	2000	1000	400	
Chloroform	ND	2000	230	400	
Chloromethane	ND	10000	1200	400	
2-Chlorotoluene	ND	2000	80	400	
4-Chlorotoluene	ND	2000	120	400	
Dibromochloromethane	ND	2000	170	400	
1,2-Dibromo-3-Chloropropane	ND	10000	1000	400	
1,2-Dibromoethane	ND	2000	100	400	
Dibromomethane	ND	2000	500	400	
1,2-Dichlorobenzene	ND	2000	100	400	
1,3-Dichlorobenzene	ND	2000	100	400	
1,4-Dichlorobenzene	ND	2000	85	400	
Dichlorodifluoromethane	ND	2000	1200	400	
1,1-Dichloroethane	ND	2000	100	400	
1,2-Dichloroethane	ND	2000	100	400	
1,1-Dichloroethene	ND	2000	110	400	
c-1,2-Dichloroethene	ND	2000	330	400	
t-1,2-Dichloroethene	ND	2000	270	400	
1,2-Dichloropropane	ND	2000	140	400	
1,3-Dichloropropane	ND	2000	86	400	
2,2-Dichloropropane	ND	2000	230	400	
1,1-Dichloropropene	ND	2000	190	400	

Parameter	Result	RL	MDL	DF	Qual
c-1,3-Dichloropropene	ND	2000	270	400	
t-1,3-Dichloropropene	ND	2000	83	400	
Ethylbenzene	12000	2000	66	400	
2-Hexanone	ND	20000	1900	400	
Isopropylbenzene	ND	2000	870	400	
p-Isopropyltoluene	ND	2000	70	400	
Methylene Chloride	ND	20000	930	400	
4-Methyl-2-Pentanone	ND	20000	610	400	
Naphthalene	ND	20000	150	400	
n-Propylbenzene	6300	2000	69	400	
Styrene	ND	2000	500	400	
1,1,1,2-Tetrachloroethane	ND	2000	95	400	
1,1,2,2-Tetrachloroethane	ND	2000	170	400	
Tetrachloroethene	ND	2000	140	400	
Toluene	5800	2000	120	400	
1,2,3-Trichlorobenzene	ND	4000	130	400	
1,2,4-Trichlorobenzene	ND	2000	320	400	
1,1,1-Trichloroethane	ND	2000	510	400	
1,1,2-Trichloroethane	ND	2000	180	400	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20000	330	400	
Trichloroethene	ND	2000	190	400	
1,2,3-Trichloropropane	ND	2000	240	400	
1,2,4-Trimethylbenzene	52000	2000	61	400	
Trichlorofluoromethane	ND	20000	390	400	
1,3,5-Trimethylbenzene	15000	2000	870	400	
Vinyl Acetate	ND	20000	4200	400	
Vinyl Chloride	ND	2000	380	400	
Xylenes (total)	69000	2000	130	400	
Methyl-t-Butyl Ether (MTBE)	ND	2000	99	400	
Tert-Butyl Alcohol (TBA)	ND	20000	8900	400	
Diisopropyl Ether (DIPE)	ND	4000	140	400	
Ethyl-t-Butyl Ether (ETBE)	ND	4000	110	400	
Tert-Amyl-Methyl Ether (TAME)	ND	4000	100	400	
Ethanol	ND	200000	40000	400	
TPPH	740000	200000	51000	400	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	71-137	
Toluene-d8	103	87-111	
Toluene-d8-TPPH	101	87-111	

Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	99	58-160	
1,4-Bromofluorobenzene	99	66-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-998**	**N/A**	**Solid**	**GC/MS RR**	**05/23/10**	**05/24/10 00:51**	**100523L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	ND	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	104	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	102	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,006**	**N/A**	**Solid**	**GC/MS UU**	**05/26/10**	**05/26/10 13:25**	**100526L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	ND	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	98	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,009**	**N/A**	**Solid**	**GC/MS UU**	**05/25/10**	**05/25/10 13:28**	**100525L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	36	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	24	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	2500	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		Xylenes (total)	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
1,1-Dichloroethene	ND	500	29	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
c-1,2-Dichloroethene	ND	500	83	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
t-1,2-Dichloroethene	ND	500	68	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,2-Dichloropropane	ND	500	36	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
1,3-Dichloropropane	ND	500	21	100		Ethanol	ND	50000	10000	100	
2,2-Dichloropropane	ND	500	56	100		TPPH	ND	50000	13000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	101	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	102	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,010**	**N/A**	**Solid**	**GC/MS W**	**05/27/10**	**05/27/10 13:33**	**100527L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	0.36	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	0.24	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	25	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		Xylenes (total)	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Ethanol	ND	500	100	1	
2,2-Dichloropropane	ND	5.0	0.56	1		TPPH	ND	500	130	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	71-137		1,2-Dichloroethane-d4	126	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,011**	**N/A**	**Solid**	**GC/MS W**	**05/26/10**	**05/26/10 13:57**	**100526L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	36	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	24	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	2500	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		Xylenes (total)	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
1,1-Dichloroethene	ND	500	29	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
c-1,2-Dichloroethene	ND	500	83	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
t-1,2-Dichloroethene	ND	500	68	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,2-Dichloropropane	ND	500	36	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
1,3-Dichloropropane	ND	500	21	100		Ethanol	ND	50000	10000	100	
2,2-Dichloropropane	ND	500	56	100		TPPH	ND	50000	13000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	71-137		1,2-Dichloroethane-d4	117	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,017**	**N/A**	**Solid**	**GC/MS RR**	**05/28/10**	**05/28/10 13:55**	**100528L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	36	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	24	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	2500	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		Xylenes (total)	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
1,1-Dichloroethene	ND	500	29	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
c-1,2-Dichloroethene	ND	500	83	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
t-1,2-Dichloroethene	ND	500	68	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,2-Dichloropropane	ND	500	36	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
1,3-Dichloropropane	ND	500	21	100		Ethanol	ND	50000	10000	100	
2,2-Dichloropropane	ND	500	56	100		TPPH	ND	50000	13000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP (CPT-1d10, 15)	**10-05-1484-23-A**	**05/19/10 00:00**	**Solid**	**ICP 5300**	**05/20/10**	**05/20/10 22:32**	**100520L05**

Comment(s): -Mercury analysis was performed on 05/21/10 15:04 with batch 100521L02.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.54	0.750	1		Molybdenum	0.371	0.250	1	
Barium	69.9	0.500	1		Nickel	8.09	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	10.3	0.250	1		Thallium	ND	0.750	1	
Cobalt	4.94	0.250	1		Vanadium	22.7	0.250	1	
Copper	8.44	0.500	1		Zinc	27.0	1.00	1	
Lead	3.62	0.500	1						

Method Blank	**099-04-007-7,030**	**N/A**	**Solid**	**Mercury**	**05/21/10**	**05/21/10 14:10**	**100521L02**

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-13,543**	**N/A**	**Solid**	**ICP 5300**	**05/20/10**	**05/20/10 22:09**	**100520L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3050B
Method: EPA 6010B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1508-1	**Solid**	**ICP 5300**	**05/20/10**	**05/20/10**	**100520S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	87	86	50-115	1	0-20	
Arsenic	100	98	75-125	1	0-20	
Barium	107	109	75-125	2	0-20	
Beryllium	101	102	75-125	1	0-20	
Cadmium	95	94	75-125	0	0-20	
Chromium	101	105	75-125	3	0-20	
Cobalt	107	107	75-125	1	0-20	
Copper	111	112	75-125	1	0-20	
Lead	103	102	75-125	0	0-20	
Molybdenum	102	101	75-125	1	0-20	
Nickel	103	103	75-125	0	0-20	
Selenium	92	92	75-125	0	0-20	
Silver	106	108	75-125	2	0-20	
Thallium	103	103	75-125	0	0-20	
Vanadium	103	106	75-125	2	0-20	
Zinc	98	97	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3050B
Method: EPA 6010B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-05-1508-1	Solid	ICP 5300	05/20/10	05/20/10	100520S05

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	94	93	75-125	1	0-20	
Arsenic	94	92	75-125	1	0-20	
Barium	93	92	75-125	1	0-20	
Beryllium	96	94	75-125	3	0-20	
Cadmium	90	89	75-125	0	0-20	
Chromium	96	94	75-125	1	0-20	
Cobalt	101	100	75-125	1	0-20	
Copper	106	105	75-125	1	0-20	
Lead	98	95	75-125	3	0-20	
Molybdenum	97	96	75-125	1	0-20	
Nickel	96	96	75-125	1	0-20	
Selenium	87	86	75-125	1	0-20	
Silver	87	87	75-125	0	0-20	
Thallium	99	97	75-125	2	0-20	
Vanadium	99	97	75-125	2	0-20	
Zinc	91	91	75-125	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 3550B
Method: EPA 8015B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-1d10	Solid	GC 27	05/21/10	05/21/10	100521S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	112	110	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1508-1	**Solid**	**Mercury**	**05/21/10**	**05/21/10**	**100521S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	97	99	71-137	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1535-4	**Aqueous**	**GC/MS LL**	**05/27/10**	**05/27/10**	**100527S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	91	72-120	3	0-20	
Carbon Tetrachloride	90	88	63-135	2	0-20	
Chlorobenzene	96	92	80-120	5	0-20	
1,2-Dibromoethane	98	91	80-120	8	0-20	
1,2-Dichlorobenzene	91	85	80-120	6	0-20	
1,1-Dichloroethene	85	83	60-132	3	0-24	
Ethylbenzene	97	94	78-120	3	0-20	
Toluene	98	95	74-122	3	0-20	
Trichloroethene	98	97	69-120	0	0-20	
Vinyl Chloride	93	95	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	89	82	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	94	86	72-126	9	0-20	
Diisopropyl Ether (DIPE)	90	84	71-137	7	0-23	
Ethyl-t-Butyl Ether (ETBE)	82	76	74-128	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	86	76-124	6	0-20	
Ethanol	123	102	35-167	19	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-1d10	**Solid**	**GC/MS RR**	**05/23/10**	**05/24/10**	**100523S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	88	40-142	1	0-18	
Carbon Tetrachloride	90	89	37-139	1	0-20	
Chlorobenzene	90	90	43-127	1	0-26	
1,2-Dibromoethane	96	99	70-130	3	0-30	
1,2-Dichlorobenzene	83	85	40-160	2	0-36	
1,1-Dichloroethene	95	95	16-178	0	0-25	
Ethylbenzene	89	89	70-130	0	0-30	
Toluene	87	86	44-128	1	0-15	
Trichloroethene	89	91	47-131	2	0-19	
Vinyl Chloride	97	98	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	92	97	42-150	5	0-34	
Tert-Butyl Alcohol (TBA)	98	117	61-109	18	0-47	3
Diisopropyl Ether (DIPE)	101	103	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	104	73-132	4	0-25	
Tert-Amyl-Methyl Ether (TAME)	92	97	82-120	5	0-25	
Ethanol	8	7	39-117	10	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1825-6	**Solid**	**GC/MS UU**	**05/25/10**	**05/25/10**	**100525S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	97	40-142	5	0-18	
Carbon Tetrachloride	109	105	37-139	4	0-20	
Chlorobenzene	99	93	43-127	6	0-26	
1,2-Dibromoethane	89	80	70-130	11	0-30	
1,2-Dichlorobenzene	88	81	40-160	7	0-36	
1,1-Dichloroethene	128	122	16-178	5	0-25	
Ethylbenzene	102	96	70-130	6	0-30	
Toluene	101	96	44-128	5	0-15	
Trichloroethene	163	176	47-131	8	0-19	3
Vinyl Chloride	121	117	29-161	4	0-42	
Methyl-t-Butyl Ether (MTBE)	85	80	42-150	6	0-34	
Tert-Butyl Alcohol (TBA)	90	83	61-109	8	0-47	
Diisopropyl Ether (DIPE)	96	92	73-133	5	0-25	
Ethyl-t-Butyl Ether (ETBE)	88	84	73-132	5	0-25	
Tert-Amyl-Methyl Ether (TAME)	87	81	82-120	7	0-25	3
Ethanol	70	66	39-117	6	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-2d10	Solid	GC/MS UU	05/26/10	05/26/10	100526S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	103	40-142	4	0-18	
Carbon Tetrachloride	101	99	37-139	2	0-20	
Chlorobenzene	107	102	43-127	4	0-26	
1,2-Dibromoethane	107	101	70-130	5	0-30	
1,2-Dichlorobenzene	107	104	40-160	3	0-36	
1,1-Dichloroethene	106	114	16-178	8	0-25	
Ethylbenzene	106	104	70-130	2	0-30	
Toluene	106	105	44-128	1	0-15	
Trichloroethene	115	111	47-131	4	0-19	
Vinyl Chloride	126	121	29-161	4	0-42	
Methyl-t-Butyl Ether (MTBE)	105	103	42-150	2	0-34	
Tert-Butyl Alcohol (TBA)	97	100	61-109	3	0-47	
Diisopropyl Ether (DIPE)	108	106	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	103	100	73-132	3	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	97	82-120	1	0-25	
Ethanol	108	94	39-117	14	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1835-2	Solid	GC/MS W	05/26/10	05/26/10	100526S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	102	40-142	1	0-18	
Carbon Tetrachloride	92	91	37-139	1	0-20	
Chlorobenzene	97	96	43-127	1	0-26	
1,2-Dibromoethane	100	100	70-130	0	0-30	
1,2-Dichlorobenzene	90	91	40-160	1	0-36	
1,1-Dichloroethene	109	106	16-178	2	0-25	
Ethylbenzene	107	105	70-130	2	0-30	
Toluene	103	101	44-128	2	0-15	
Trichloroethene	98	97	47-131	1	0-19	
Vinyl Chloride	103	102	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	90	91	42-150	1	0-34	
Tert-Butyl Alcohol (TBA)	93	86	61-109	7	0-47	
Diisopropyl Ether (DIPE)	98	98	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	90	92	73-132	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	95	97	82-120	2	0-25	
Ethanol	124	98	39-117	23	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-2d54	**Solid**	**GC/MS W**	**05/27/10**	**05/27/10**	**100527S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	95	40-142	10	0-18	
Carbon Tetrachloride	92	85	37-139	8	0-20	
Chlorobenzene	100	90	43-127	11	0-26	
1,2-Dibromoethane	98	90	70-130	9	0-30	
1,2-Dichlorobenzene	93	84	40-160	11	0-36	
1,1-Dichloroethene	103	95	16-178	8	0-25	
Ethylbenzene	112	97	70-130	14	0-30	
Toluene	106	95	44-128	12	0-15	
Trichloroethene	100	91	47-131	9	0-19	
Vinyl Chloride	97	98	29-161	2	0-42	
Methyl-t-Butyl Ether (MTBE)	90	85	42-150	6	0-34	
Tert-Butyl Alcohol (TBA)	90	85	61-109	5	0-47	
Diisopropyl Ether (DIPE)	97	90	73-133	8	0-25	
Ethyl-t-Butyl Ether (ETBE)	89	83	73-132	7	0-25	
Tert-Amyl-Methyl Ether (TAME)	94	86	82-120	9	0-25	
Ethanol	115	102	39-117	12	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/19/10
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1598-17	**Solid**	**GC/MS RR**	**05/28/10**	**05/28/10**	**100528S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	40-142	0	0-18	
Carbon Tetrachloride	103	102	37-139	1	0-20	
Chlorobenzene	98	96	43-127	3	0-26	
1,2-Dibromoethane	95	96	70-130	1	0-30	
1,2-Dichlorobenzene	95	95	40-160	1	0-36	
1,1-Dichloroethene	102	101	16-178	1	0-25	
Ethylbenzene	99	97	70-130	1	0-30	
Toluene	97	96	44-128	1	0-15	
Trichloroethene	102	101	47-131	1	0-19	
Vinyl Chloride	99	96	29-161	3	0-42	
Methyl-t-Butyl Ether (MTBE)	92	97	42-150	5	0-34	
Tert-Butyl Alcohol (TBA)	108	93	61-109	15	0-47	
Diisopropyl Ether (DIPE)	101	103	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	95	98	73-132	4	0-25	
Tert-Amyl-Methyl Ether (TAME)	93	97	82-120	4	0-25	
Ethanol	133	100	39-117	29	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 3050B
Method: EPA 6010B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,543	Solid	ICP 5300	05/20/10	05/20/10	100520L05

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	99	97	80-120	73-127	1	0-20	
Arsenic	97	95	80-120	73-127	2	0-20	
Barium	107	107	80-120	73-127	0	0-20	
Beryllium	98	98	80-120	73-127	0	0-20	
Cadmium	96	96	80-120	73-127	0	0-20	
Chromium	100	100	80-120	73-127	0	0-20	
Cobalt	108	107	80-120	73-127	1	0-20	
Copper	107	107	80-120	73-127	0	0-20	
Lead	103	103	80-120	73-127	1	0-20	
Molybdenum	100	100	80-120	73-127	1	0-20	
Nickel	105	104	80-120	73-127	0	0-20	
Selenium	90	88	80-120	73-127	1	0-20	
Silver	104	104	80-120	73-127	0	0-20	
Thallium	105	104	80-120	73-127	1	0-20	
Vanadium	102	102	80-120	73-127	0	0-20	
Zinc	100	99	80-120	73-127	1	0-20	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,068	Solid	GC 27	05/21/10	05/21/10	100521B09

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	117	111	75-123	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 3510C
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,675	Aqueous	GC 46	05/21/10	05/21/10	100521B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	110	106	75-117	3	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,030	Solid	Mercury	05/21/10	05/21/10	100521L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	94	93	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,011	Aqueous	GC/MS LL	05/27/10	05/27/10	100527L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	92	94	80-122	73-129	2	0-20	
Carbon Tetrachloride	89	91	68-140	56-152	2	0-20	
Chlorobenzene	93	95	80-120	73-127	2	0-20	
1,2-Dibromoethane	94	94	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	93	93	80-120	73-127	1	0-20	
1,1-Dichloroethene	85	87	72-132	62-142	2	0-25	
Ethylbenzene	96	97	80-126	72-134	1	0-20	
Toluene	97	99	80-121	73-128	3	0-20	
Trichloroethene	98	100	80-123	73-130	2	0-20	
Vinyl Chloride	90	100	67-133	56-144	10	0-20	
Methyl-t-Butyl Ether (MTBE)	88	89	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	93	96	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	88	90	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	83	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	92	80-123	73-130	2	0-20	
Ethanol	119	112	61-139	48-152	5	0-27	
TPPH	93	93	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-998	Solid	GC/MS RR	05/23/10	05/23/10	100523L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	86	89	85-115	80-120	4	0-11	
Carbon Tetrachloride	86	86	68-134	57-145	0	0-14	
Chlorobenzene	89	90	83-119	77-125	1	0-9	
1,2-Dibromoethane	87	89	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	85	85	57-135	44-148	0	0-10	
1,1-Dichloroethene	92	93	72-120	64-128	0	0-10	
Ethylbenzene	89	91	80-120	73-127	2	0-20	
Toluene	85	88	67-127	57-137	4	0-10	
Trichloroethene	84	88	88-112	84-116	4	0-9	ME
Vinyl Chloride	94	99	57-129	45-141	6	0-16	
Methyl-t-Butyl Ether (MTBE)	82	85	76-124	68-132	4	0-12	
Tert-Butyl Alcohol (TBA)	93	94	31-145	12-164	0	0-23	
Diisopropyl Ether (DIPE)	96	98	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	94	96	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	83	87	81-123	74-130	4	0-10	
Ethanol	94	99	44-152	26-170	6	0-24	
TPPH	93	95	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,009	Solid	GC/MS UU	05/25/10	05/25/10	100525L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	98	85-115	80-120	1	0-11	
Carbon Tetrachloride	101	101	68-134	57-145	0	0-14	
Chlorobenzene	102	101	83-119	77-125	1	0-9	
1,2-Dibromoethane	107	105	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	1	0-10	
1,1-Dichloroethene	102	105	72-120	64-128	2	0-10	
Ethylbenzene	101	100	80-120	73-127	1	0-20	
Toluene	98	99	67-127	57-137	1	0-10	
Trichloroethene	101	100	88-112	84-116	0	0-9	
Vinyl Chloride	100	101	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	100	101	76-124	68-132	0	0-12	
Tert-Butyl Alcohol (TBA)	104	101	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	102	101	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	99	77-125	69-133	0	0-9	
Tert-Amyl-Methyl Ether (TAME)	103	102	81-123	74-130	1	0-10	
Ethanol	91	86	44-152	26-170	6	0-24	
TPPH	93	94	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,006	Solid	GC/MS UU	05/26/10	05/26/10	100526L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	100	101	85-115	80-120	1	0-11	
Carbon Tetrachloride	93	95	68-134	57-145	3	0-14	
Chlorobenzene	99	101	83-119	77-125	2	0-9	
1,2-Dibromoethane	104	104	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	2	0-10	
1,1-Dichloroethene	91	92	72-120	64-128	1	0-10	
Ethylbenzene	100	102	80-120	73-127	2	0-20	
Toluene	100	102	67-127	57-137	2	0-10	
Trichloroethene	106	106	88-112	84-116	0	0-9	
Vinyl Chloride	114	116	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	103	104	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	100	102	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	104	104	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	99	77-125	69-133	0	0-9	
Tert-Amyl-Methyl Ether (TAME)	97	97	81-123	74-130	0	0-10	
Ethanol	93	86	44-152	26-170	8	0-24	
TPPH	93	89	65-135	53-147	5	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,011	Solid	GC/MS W	05/26/10	05/26/10	100526L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	105	85-115	80-120	2	0-11	
Carbon Tetrachloride	96	97	68-134	57-145	0	0-14	
Chlorobenzene	105	104	83-119	77-125	1	0-9	
1,2-Dibromoethane	105	104	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	1	0-10	
1,1-Dichloroethene	113	112	72-120	64-128	1	0-10	
Ethylbenzene	115	115	80-120	73-127	0	0-20	
Toluene	109	107	67-127	57-137	2	0-10	
Trichloroethene	104	102	88-112	84-116	2	0-9	
Vinyl Chloride	109	107	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	97	98	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	92	97	31-145	12-164	5	0-23	
Diisopropyl Ether (DIPE)	105	104	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	98	99	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	102	102	81-123	74-130	0	0-10	
Ethanol	122	125	44-152	26-170	3	0-24	
TPPH	86	83	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,010	Solid	GC/MS W	05/27/10	05/27/10	100527L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	105	105	85-115	80-120	1	0-11	
Carbon Tetrachloride	93	96	68-134	57-145	3	0-14	
Chlorobenzene	102	103	83-119	77-125	1	0-9	
1,2-Dibromoethane	100	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	98	57-135	44-148	0	0-10	
1,1-Dichloroethene	106	105	72-120	64-128	1	0-10	
Ethylbenzene	111	112	80-120	73-127	1	0-20	
Toluene	106	105	67-127	57-137	1	0-10	
Trichloroethene	102	101	88-112	84-116	2	0-9	
Vinyl Chloride	102	99	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	90	92	76-124	68-132	3	0-12	
Tert-Butyl Alcohol (TBA)	94	96	31-145	12-164	2	0-23	
Diisopropyl Ether (DIPE)	100	100	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	92	94	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	96	96	81-123	74-130	0	0-10	
Ethanol	104	117	44-152	26-170	11	0-24	
TPPH	82	83	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1484
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,017	Solid	GC/MS RR	05/28/10	05/28/10	100528L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	101	101	85-115	80-120	0	0-11	
Carbon Tetrachloride	102	107	68-134	57-145	4	0-14	
Chlorobenzene	98	100	83-119	77-125	2	0-9	
1,2-Dibromoethane	96	97	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	96	101	57-135	44-148	4	0-10	
1,1-Dichloroethene	102	105	72-120	64-128	3	0-10	
Ethylbenzene	99	101	80-120	73-127	2	0-20	
Toluene	99	101	67-127	57-137	2	0-10	
Trichloroethene	102	102	88-112	84-116	0	0-9	
Vinyl Chloride	93	95	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	99	98	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	94	89	31-145	12-164	6	0-23	
Diisopropyl Ether (DIPE)	105	105	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	100	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	100	98	81-123	74-130	2	0-10	
Ethanol	95	91	44-152	26-170	5	0-24	
TPPH	99	98	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-05-1484

Qualifier	Definition
*	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.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.19.10
PAGE: 2 of 3

SAMPLING COMPANY: Wayne Perry, inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 05-1464

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
	~~CPT-1d60~~																				
11	CPT-1-45	5/19	0930	H_2O	x					4	x			x	x	x		x			
12	CPT-1-60	5/19	1055	H_2O	x					4	x			x	x	x		x			
13	CPT-2d10		1230	Soil						1											
14	CPT-2d15		1235																		
15	CPT-2d20		1240																		
	~~CPT-2d25~~																				
16	CPT-2d30		1250																		
17	CPT-2d35		1300																		
18	CPT-2d40		1305								x			x	x	x		x			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Maya Escobedo	CEL	5.19.10	1545
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/08 Revision

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.19.10
PAGE: 1 of 3

SAMPLING COMPANY: Wayne Perry, inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 05-1464

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
1	CPT-1d10	5/19	0815	Soil				x		1	x			x	x	x		x	x		
2	CPT-1d15		0820																x		
3	CPT-1d20		0825																		
4	CPT-1d25		0830																		
5	CPT-1d30		0835																		
6	CPT-1d35		0840																		
7	CPT-1d40		0850																		
8	CPT-1d45		0855																		
9	CPT-1d50		0905																		
10	CPT-1d54		0910					x								x					

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Maya Escobedo	CEL	5.19.10	1545
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/08 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-1484

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: WPI

DATE: 05/19/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 5.0 °C + 0.5 °C (CF) = 5.5 °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 ☐ Metals Only ☐ PCBs Only Initial: YL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WB

SAMPLE CONDITION:

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WB

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WB

SOP T100_090 (05/10/10)

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION): ☑ CALSCIENCE ☐ SPL ☐ XENCO ☐ TEST AMERICA ☐ OTHER

Please Check Appropriate Box: ☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL ☐ MOTIVA SOHOH ☐ CONSULTANT ☐ LUBES ☐ SHELL PIPELINE ☐ OTHER

Print Bill To: WAYNE PERRY, INC. 8281 Commonwealth Ave Buena Park, CA 90621

DATE: 5.19.10 PAGE: 3 of 3

SAMPLERS COMPANY: Wayne Perry, Inc

ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807

SAMPLERS COMPANY PROJECT CONTACT PEP Report to: Trudell Balelita

TELEPHONE: FAX: E-MAIL: tballelita@wpinc.com

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES: ☐ SHELL CONTRACT RATE APPLIES ☐ STATE REIMBURSEMENT RATE APPLIES ☐ EDD NOT NEEDED ☐ RECEIPT VERIFICATION REQUESTED

SITE ADDRESS: Street and City: 17507 Beach Blvd Huntington Beach CA

PROJECT NO.: 09-666

CONSULTANT PROJECT NO.: 09-666

MARCO ESCOBEDO

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
CPT-2-45	5/19	1315	Soil				X		1	X										
CPT-2-58		1330	Soil				X		1											
CPT-2-60		1430	H2O	X					4	X			X	X	X	X	X			

Relinquished by: (Signature) Marco Escobedo Received by: (Signature) Date: 5.19.10 Time: 1545

Relinquished by: (Signature) Received by: (Signature) Date: Time:

Relinquished by: (Signature) Received by: (Signature) Date: Time:

TEMPERATURE ON RECEIPT C°

09/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-1484

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☑ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-22) RECEIVED 1 EXTRA SLEEVE.
CPT-2d50 @ 1320 ON
5-19-10

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: WB 05/19/10

SOP T100_090 (01/29/10)

From: Truedi Balsitis
To: David Sampson;
cc: Marco Escobedo; Jessica Korte;
Subject: FW: 10-05-1484
Date: Thursday, May 20, 2010 8:11:42 AM
Attachments: ole1.bmp
10051484.pdf

David -- Please add sample CPT2 d50 to chain of custody form and run the same analysis as other samples listed.

Thanks,
Truedi

From: David Sampson [mailto:dsampson@calscience.com]
Sent: Wednesday, May 19, 2010 5:17 PM
To: Truedi Balsitis; Marco Escobedo
Subject: 10-05-1484

We received an extra sample CPT-2d50 that is not on the COC. Should we analyze this sample? If so what analysis should we run it for? Thanks.

<<10051484.pdf>>

David Sampson
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x238
Fax: 714-894-7501
dsampson@calscience.com

Picture (Device Independent Bitmap)

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REPORT SECURITY NOTICE:
The client or recipient of any attached analytical report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience Environmental Laboratories, Inc. is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience Environmental Laboratories, Inc. for any defense to any litigation which arises.

Calscience Environmental Laboratories, Inc.

June 02, 2010

Truedi Balsitis
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Subject: **Calscience Work Order No.:** **10-05-1598**
Client Reference: **18502 Beach Blvd., Huntington Beach, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/20/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d10	10-05-1598-1-A	05/20/10 07:30	Solid	GC 27	05/22/10	05/24/10 14:37	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d15	10-05-1598-2-A	05/20/10 07:35	Solid	GC 27	05/22/10	05/24/10 14:55	100522B04

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	3400	35	7		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	130	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d20	10-05-1598-3-A	05/20/10 07:40	Solid	GC 27	05/22/10	05/24/10 15:12	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d25	10-05-1598-4-A	05/20/10 07:45	Solid	GC 27	05/22/10	05/24/10 15:30	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d30	10-05-1598-5-A	05/20/10 07:50	Solid	GC 27	05/22/10	05/24/10 15:48	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d35	10-05-1598-6-A	05/20/10 07:55	Solid	GC 27	05/22/10	05/24/10 16:07	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d40	10-05-1598-7-A	05/20/10 08:00	Solid	GC 27	05/22/10	05/24/10 16:25	100522B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d45	10-05-1598-8-A	05/20/10 08:10	Solid	GC 27	05/22/10	05/24/10 16:42	100522B04

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	220	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d50	**10-05-1598-9-A**	**05/20/10 08:20**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 17:01**	**100522B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	8.4	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d53	**10-05-1598-10-A**	**05/20/10 08:30**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 17:19**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	119	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d10	**10-05-1598-13-A**	**05/20/10 10:15**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 17:56**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d15	**10-05-1598-14-A**	**05/20/10 10:20**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 18:14**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d20	**10-05-1598-15-A**	**05/20/10 10:25**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 18:32**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d25	**10-05-1598-16-A**	**05/20/10 10:30**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 18:51**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	119	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d30	**10-05-1598-17-A**	**05/20/10 10:35**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 19:09**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d35	**10-05-1598-18-A**	**05/20/10 10:40**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 19:27**	**100522B04**

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	54	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d40	**10-05-1598-19-A**	**05/20/10 10:50**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 19:45**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	119	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d45	**10-05-1598-20-A**	**05/20/10 10:55**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 20:03**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d50	**10-05-1598-21-A**	**05/20/10 11:05**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 20:21**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	129	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d53	**10-05-1598-22-A**	**05/20/10 11:15**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 20:40**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,073**	**N/A**	**Solid**	**GC 27**	**05/22/10**	**05/24/10 13:06**	**100522B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3-45	**10-05-1598-11-D**	**05/20/10 08:45**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 23:49**	**100521B05**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	150	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	68-140	

CPT-3-60	**10-05-1598-12-D**	**05/20/10 09:35**	**Aqueous**	**GC 46**	**05/21/10**	**05/22/10 00:04**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	92	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

CPT-4-45	**10-05-1598-23-D**	**05/20/10 11:30**	**Aqueous**	**GC 46**	**05/21/10**	**05/22/10 00:21**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	110	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4-60	**10-05-1598-24-D**	**05/20/10 12:40**	**Aqueous**	**GC 46**	**05/21/10**	**05/22/10 00:36**	**100521B05**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	250	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	68-140	

Method Blank	**099-12-211-1,675**	**N/A**	**Aqueous**	**GC 46**	**05/21/10**	**05/21/10 20:55**	**100521B05**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3-45	10-05-1598-11-B	05/20/10 08:45	Aqueous	GC/MS LL	05/27/10	05/27/10 22:59	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	3.3	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	1.5	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	8.3	0.50	1		Methyl-t-Butyl Ether (MTBE)	35	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	130	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	380	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	106	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	97	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3-60	10-05-1598-12-B	05/20/10 09:35	Aqueous	GC/MS LL	05/27/10	05/27/10 23:29	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	0.52	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8-TPPH	98	88-112		Toluene-d8	102	80-120	
1,4-Bromofluorobenzene	96	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4-45	10-05-1598-23-B	05/20/10 11:30	Aqueous	GC/MS LL	05/27/10	05/27/10 23:59	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	1.9	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	5.1	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	53	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	270	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	96	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4-60	10-05-1598-24-B	05/20/10 12:40	Aqueous	GC/MS LL	05/27/10	05/28/10 00:28	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-132		1,2-Dichloroethane-d4	107	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	96	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,011**	**N/A**	**Aqueous**	**GC/MS LL**	**05/27/10**	**05/27/10 16:04**	**100527L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	99	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d10	**10-05-1598-1-A**	**05/20/10 07:30**	**Solid**	**GC/MS RR**	**05/26/10**	**05/26/10 19:32**	**100526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d15	10-05-1598-2-A	05/20/10 07:35	Solid	GC/MS RR	05/27/10	05/27/10 09:11	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	5.5	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	1200	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	98	58-160	
Toluene-d8	95	87-111		1,4-Bromofluorobenzene	88	66-126	
Toluene-d8-TPPH	90	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d20	10-05-1598-3-A	05/20/10 07:40	Solid	GC/MS RR	05/26/10	05/26/10 19:59	100526L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	71-137		1,2-Dichloroethane-d4	102	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	101	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d25	10-05-1598-4-A	05/20/10 07:45	Solid	GC/MS RR	05/26/10	05/26/10 20:25	100526L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	98	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	92	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d30	10-05-1598-5-A	05/20/10 07:50	Solid	GC/MS RR	05/26/10	05/26/10 20:52	100526L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	71-137		1,2-Dichloroethane-d4	105	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d35	10-05-1598-6-A	05/20/10 07:55	Solid	GC/MS RR	05/26/10	05/26/10 21:18	100526L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d40	10-05-1598-7-A	05/20/10 08:00	Solid	GC/MS RR	05/27/10	05/27/10 16:51	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	9.9	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	6.0	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	46	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	14	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	76	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	32	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	800	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	71-137		1,2-Dichloroethane-d4	105	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	102	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d45	10-05-1598-8-A	05/20/10 08:10	Solid	GC/MS RR	05/27/10	05/27/10 17:18	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	9.1	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	39	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	40	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	1100	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d50	10-05-1598-9-A	05/20/10 08:20	Solid	GC/MS RR	05/28/10	05/28/10 16:33	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	61	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	5.5	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	7.0	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	18	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	40	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	180	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	54	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	440	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	25	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	2500	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	100	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-3d53	**10-05-1598-10-A**	**05/20/10 08:30**	**Solid**	**GC/MS RR**	**05/27/10**	**05/27/10 14:13**	**100527L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	15	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	8.5	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	9.6	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	9.0	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	53	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	28	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	89	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	14	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	1800	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	100	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/20/10
8281 Commonwealth Avenue	Work Order No:	10-05-1598
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d10	**10-05-1598-13-A**	**05/20/10 10:15**	**Solid**	**GC/MS RR**	**05/27/10**	**05/27/10 02:35**	**100526L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d15	10-05-1598-14-A	05/20/10 10:20	Solid	GC/MS RR	05/26/10	05/26/10 21:45	100526L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d20	10-05-1598-15-A	05/20/10 10:25	Solid	GC/MS RR	05/27/10	05/27/10 05:40	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	102	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d25	10-05-1598-16-A	05/20/10 10:30	Solid	GC/MS RR	05/27/10	05/27/10 06:06	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d30	10-05-1598-17-A	05/20/10 10:35	Solid	GC/MS RR	05/28/10	05/28/10 14:47	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	71-137		1,2-Dichloroethane-d4	107	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	101	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d35	10-05-1598-18-A	05/20/10 10:40	Solid	GC/MS RR	05/27/10	05/27/10 06:59	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	100	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d40	10-05-1598-19-A	05/20/10 10:50	Solid	GC/MS RR	05/27/10	05/27/10 07:25	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d45	10-05-1598-20-A	05/20/10 10:55	Solid	GC/MS RR	05/27/10	05/27/10 07:52	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137		1,2-Dichloroethane-d4	93	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d50	10-05-1598-21-A	05/20/10 11:05	Solid	GC/MS RR	05/27/10	05/27/10 08:18	100526L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	64	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	6.8	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	28	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	18	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	101	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CPT-4d53	**10-05-1598-22-A**	**05/20/10 11:15**	**Solid**	**GC/MS RR**	**05/27/10**	**05/27/10 08:44**	**100526L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	71-137		1,2-Dichloroethane-d4	102	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	101	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,007**	**N/A**	**Solid**	**GC/MS RR**	**05/26/10**	**05/26/10 16:27**	**100526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	93	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,008**	**N/A**	**Solid**	**GC/MS RR**	**05/26/10**	**05/27/10 01:42**	**100526L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	71-137		1,2-Dichloroethane-d4	96	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,012**	**N/A**	**Solid**	**GC/MS RR**	**05/27/10**	**05/27/10 13:46**	**100527L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	99	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.		Date Received:	05/20/10
8281 Commonwealth Avenue		Work Order No:	10-05-1598
Buena Park, CA 90621-2537		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,016**	**N/A**	**Solid**	**GC/MS RR**	**05/28/10**	**05/28/10 14:21**	**100528L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	94	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.		Date Received:	05/20/10
8281 Commonwealth Avenue		Work Order No:	10-05-1598
Buena Park, CA 90621-2537		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-3d10	**Solid**	**GC 27**	**05/22/10**	**05/24/10**	**100522S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	103	128	64-130	21	0-15	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1535-4	**Aqueous**	**GC/MS LL**	**05/27/10**	**05/27/10**	**100527S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	91	72-120	3	0-20	
Carbon Tetrachloride	90	88	63-135	2	0-20	
Chlorobenzene	96	92	80-120	5	0-20	
1,2-Dibromoethane	98	91	80-120	8	0-20	
1,2-Dichlorobenzene	91	85	80-120	6	0-20	
1,1-Dichloroethene	85	83	60-132	3	0-24	
Ethylbenzene	97	94	78-120	3	0-20	
Toluene	98	95	74-122	3	0-20	
Trichloroethene	98	97	69-120	0	0-20	
Vinyl Chloride	93	95	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	89	82	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	94	86	72-126	9	0-20	
Diisopropyl Ether (DIPE)	90	84	71-137	7	0-23	
Ethyl-t-Butyl Ether (ETBE)	82	76	74-128	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	86	76-124	6	0-20	
Ethanol	123	102	35-167	19	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1464-12	**Solid**	**GC/MS RR**	**05/26/10**	**05/26/10**	**100526S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	100	40-142	2	0-18	
Carbon Tetrachloride	99	101	37-139	2	0-20	
Chlorobenzene	95	95	43-127	0	0-26	
1,2-Dibromoethane	96	102	70-130	7	0-30	
1,2-Dichlorobenzene	95	96	40-160	1	0-36	
1,1-Dichloroethene	100	99	16-178	1	0-25	
Ethylbenzene	97	95	70-130	2	0-30	
Toluene	96	99	44-128	3	0-15	
Trichloroethene	97	99	47-131	3	0-19	
Vinyl Chloride	96	94	29-161	2	0-42	
Methyl-t-Butyl Ether (MTBE)	101	110	42-150	9	0-34	
Tert-Butyl Alcohol (TBA)	108	95	61-109	12	0-47	
Diisopropyl Ether (DIPE)	102	104	73-133	3	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	105	73-132	5	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	107	82-120	10	0-25	
Ethanol	110	85	39-117	26	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-4d10	Solid	GC/MS RR	05/27/10	05/27/10	100526S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	102	40-142	3	0-18	
Carbon Tetrachloride	98	102	37-139	3	0-20	
Chlorobenzene	96	98	43-127	2	0-26	
1,2-Dibromoethane	97	100	70-130	2	0-30	
1,2-Dichlorobenzene	91	93	40-160	3	0-36	
1,1-Dichloroethene	98	101	16-178	4	0-25	
Ethylbenzene	95	98	70-130	3	0-30	
Toluene	95	98	44-128	3	0-15	
Trichloroethene	115	119	47-131	4	0-19	
Vinyl Chloride	106	99	29-161	7	0-42	
Methyl-t-Butyl Ether (MTBE)	97	99	42-150	2	0-34	
Tert-Butyl Alcohol (TBA)	123	108	61-109	13	0-47	3
Diisopropyl Ether (DIPE)	101	103	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	96	98	73-132	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	97	100	82-120	3	0-25	
Ethanol	150	127	39-117	17	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-3d53	Solid	GC/MS RR	05/27/10	05/27/10	100527S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	110	40-142	6	0-18	
Carbon Tetrachloride	100	102	37-139	1	0-20	
Chlorobenzene	97	98	43-127	1	0-26	
1,2-Dibromoethane	95	96	70-130	1	0-30	
1,2-Dichlorobenzene	96	96	40-160	0	0-36	
1,1-Dichloroethene	101	102	16-178	0	0-25	
Ethylbenzene	86	96	70-130	8	0-30	
Toluene	89	102	44-128	11	0-15	
Trichloroethene	100	100	47-131	0	0-19	
Vinyl Chloride	98	97	29-161	0	0-42	
Methyl-t-Butyl Ether (MTBE)	92	103	42-150	9	0-34	
Tert-Butyl Alcohol (TBA)	146	111	61-109	27	0-47	3
Diisopropyl Ether (DIPE)	100	100	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	97	97	73-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	97	82-120	1	0-25	
Ethanol	122	102	39-117	18	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/20/10
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
CPT-4d30	**Solid**	**GC/MS RR**	**05/28/10**	**05/28/10**	**100528S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	40-142	0	0-18	
Carbon Tetrachloride	103	102	37-139	1	0-20	
Chlorobenzene	98	96	43-127	3	0-26	
1,2-Dibromoethane	95	96	70-130	1	0-30	
1,2-Dichlorobenzene	95	95	40-160	1	0-36	
1,1-Dichloroethene	102	101	16-178	1	0-25	
Ethylbenzene	99	97	70-130	1	0-30	
Toluene	97	96	44-128	1	0-15	
Trichloroethene	102	101	47-131	1	0-19	
Vinyl Chloride	99	96	29-161	3	0-42	
Methyl-t-Butyl Ether (MTBE)	92	97	42-150	5	0-34	
Tert-Butyl Alcohol (TBA)	108	93	61-109	15	0-47	
Diisopropyl Ether (DIPE)	101	103	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	95	98	73-132	4	0-25	
Tert-Amyl-Methyl Ether (TAME)	93	97	82-120	4	0-25	
Ethanol	133	100	39-117	29	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,073	**Solid**	**GC 27**	**05/22/10**	**05/24/10**	**100522B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	119	118	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 3510C
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,675	Aqueous	GC 46	05/21/10	05/21/10	100521B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	110	106	75-117	3	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,011	Aqueous	GC/MS LL	05/27/10	05/27/10	100527L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	94	80-122	73-129	2	0-20	
Carbon Tetrachloride	89	91	68-140	56-152	2	0-20	
Chlorobenzene	93	95	80-120	73-127	2	0-20	
1,2-Dibromoethane	94	94	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	93	93	80-120	73-127	1	0-20	
1,1-Dichloroethene	85	87	72-132	62-142	2	0-25	
Ethylbenzene	96	97	80-126	72-134	1	0-20	
Toluene	97	99	80-121	73-128	3	0-20	
Trichloroethene	98	100	80-123	73-130	2	0-20	
Vinyl Chloride	90	100	67-133	56-144	10	0-20	
Methyl-t-Butyl Ether (MTBE)	88	89	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	93	96	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	88	90	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	83	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	92	80-123	73-130	2	0-20	
Ethanol	119	112	61-139	48-152	5	0-27	
TPPH	93	93	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,007	Solid	GC/MS RR	05/26/10	05/26/10	100526L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	102	100	85-115	80-120	2	0-11	
Carbon Tetrachloride	102	99	68-134	57-145	3	0-14	
Chlorobenzene	99	98	83-119	77-125	2	0-9	
1,2-Dibromoethane	99	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	99	98	57-135	44-148	0	0-10	
1,1-Dichloroethene	99	98	72-120	64-128	1	0-10	
Ethylbenzene	100	99	80-120	73-127	1	0-20	
Toluene	100	97	67-127	57-137	2	0-10	
Trichloroethene	100	99	88-112	84-116	2	0-9	
Vinyl Chloride	96	93	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	99	95	76-124	68-132	4	0-12	
Tert-Butyl Alcohol (TBA)	98	95	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	102	100	74-128	65-137	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	96	77-125	69-133	3	0-9	
Tert-Amyl-Methyl Ether (TAME)	100	98	81-123	74-130	2	0-10	
Ethanol	95	94	44-152	26-170	1	0-24	
TPPH	95	97	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,008	Solid	GC/MS RR	05/26/10	05/27/10	100526L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	100	85-115	80-120	1	0-11	
Carbon Tetrachloride	98	98	68-134	57-145	0	0-14	
Chlorobenzene	96	98	83-119	77-125	2	0-9	
1,2-Dibromoethane	104	99	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	94	95	57-135	44-148	0	0-10	
1,1-Dichloroethene	97	97	72-120	64-128	1	0-10	
Ethylbenzene	94	98	80-120	73-127	4	0-20	
Toluene	96	97	67-127	57-137	1	0-10	
Trichloroethene	97	98	88-112	84-116	0	0-9	
Vinyl Chloride	95	92	57-129	45-141	4	0-16	
Methyl-t-Butyl Ether (MTBE)	107	100	76-124	68-132	7	0-12	
Tert-Butyl Alcohol (TBA)	94	91	31-145	12-164	3	0-23	
Diisopropyl Ether (DIPE)	106	103	74-128	65-137	3	0-10	
Ethyl-t-Butyl Ether (ETBE)	104	100	77-125	69-133	4	0-9	
Tert-Amyl-Methyl Ether (TAME)	107	100	81-123	74-130	7	0-10	
Ethanol	89	90	44-152	26-170	0	0-24	
TPPH	94	95	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,012	Solid	GC/MS RR	05/27/10	05/27/10	100527L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	102	85-115	80-120	1	0-11	
Carbon Tetrachloride	101	103	68-134	57-145	2	0-14	
Chlorobenzene	99	100	83-119	77-125	2	0-9	
1,2-Dibromoethane	99	97	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	99	96	57-135	44-148	3	0-10	
1,1-Dichloroethene	102	103	72-120	64-128	1	0-10	
Ethylbenzene	99	101	80-120	73-127	2	0-20	
Toluene	100	101	67-127	57-137	1	0-10	
Trichloroethene	100	101	88-112	84-116	1	0-9	
Vinyl Chloride	94	95	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	99	99	76-124	68-132	0	0-12	
Tert-Butyl Alcohol (TBA)	93	91	31-145	12-164	2	0-23	
Diisopropyl Ether (DIPE)	104	104	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	101	100	77-125	69-133	0	0-9	
Tert-Amyl-Methyl Ether (TAME)	101	100	81-123	74-130	1	0-10	
Ethanol	91	92	44-152	26-170	1	0-24	
TPPH	101	100	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1598
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,016	Solid	GC/MS RR	05/28/10	05/28/10	100528L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	101	85-115	80-120	0	0-11	
Carbon Tetrachloride	102	107	68-134	57-145	4	0-14	
Chlorobenzene	98	100	83-119	77-125	2	0-9	
1,2-Dibromoethane	96	97	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	96	101	57-135	44-148	4	0-10	
1,1-Dichloroethene	102	105	72-120	64-128	3	0-10	
Ethylbenzene	99	101	80-120	73-127	2	0-20	
Toluene	99	101	67-127	57-137	2	0-10	
Trichloroethene	102	102	88-112	84-116	0	0-9	
Vinyl Chloride	93	95	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	99	98	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	94	89	31-145	12-164	6	0-23	
Diisopropyl Ether (DIPE)	105	105	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	100	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	100	98	81-123	74-130	2	0-10	
Ethanol	95	91	44-152	26-170	5	0-24	
TPPH	99	98	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.20.10
PAGE: 1 of 3

SAMPLING COMPANY: Wayne Perry, inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd Huntington Beach State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 10-05-1598
TELEPHONE:
FAX:
E-MAIL:

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
1	CPT-3d10	5/20	0730	soil				X		1	X			X	X	X		X			
2	CPT-3d15		0735																		
3	CPT-3d20		0740																		
4	CPT-3d25		0745																		
5	CPT-3d30		0750																		
6	CPT-3d35		0755																		
7	CPT-3d40		0800																		
8	CPT-3d45		0810																		
9	CPT-3d50		0820																		
10	CPT-3d53		0830					X			X			X	X	X		X			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	[illegible]	5.20.10	1354
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-05-1598

Qualifier	Definition
*	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.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5·20·10
PAGE: 3 of 3

SAMPLING COMPANY: Wayne Perry, Inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
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CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): ME MARCO ESCOBEDO
LAB USE ONLY: 10-05-1598

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
21	CPT-4d50	5/20	1105	soil				x		1	x			x	x	x		x			
22	CPT-4d53		1115	soil				x		1											
23	CPT-4-45		1130	H_2O	x					4											
24	CPT-4-60		1240	H_2O	x					4	x			x	x	x		x			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	Percy A. Ua	5.20.10	1354

05/2/06 Revision

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5·20·10
PAGE: 2 of 3

SAMPLING COMPANY: Wayne Perry, Inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): ME MARCO ESCOBEDO
LAB USE ONLY: 10-05-1598

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
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- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
11	CPT-3-45	5/20	0845	H_2O	x					4	x			x	x	x		x			
12	CPT-3-60		0935	H_2O	x					4											
13	CPT-4d10		1015	soil				x		1											
14	CPT-4d15		1020																		
15	CPT-4d20		1025																		
16	CPT-4d25		1030																		
17	CPT-4d30		1035																		
18	CPT-4d35		1040																		
19	CPT-4d40		1050																		
20	CPT-4d45		1055					x			x			x	x	x		x			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	Percy A. Ua	5.20.10	1354

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-1 5 7 8

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: WPI

DATE: 05/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 5.4 °C + 0.5 °C (CF) = 5.9 °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 ☐ Metals Only ☐ PCBs Only 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	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **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:** W.SC

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** PS

SOP T100_090 (05/10/10)

Calscience Environmental Laboratories, Inc.

nelac

June 08, 2010

Truedi Balsitis
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Subject: **Calscience Work Order No.:** **10-05-1835**
Client Reference: **18502 Beach Blvd., Huntington Beach, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/24/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.		Date Received:	05/24/10
8281 Commonwealth Avenue		Work Order No:	10-05-1835
Buena Park, CA 90621-2537		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d5	10-05-1835-1-A	05/24/10 09:40	Solid	GC 43	05/26/10	05/27/10 23:50	100526B18

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	50	10	2		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

MW-13d10	10-05-1835-2-A	05/24/10 09:45	Solid	GC 43	05/26/10	05/28/10 00:19	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

MW-13d15	10-05-1835-3-A	05/24/10 09:50	Solid	GC 43	05/26/10	05/28/10 00:48	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

MW-13d20	10-05-1835-4-A	05/24/10 09:55	Solid	GC 43	05/26/10	05/28/10 01:19	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.		Date Received:	05/24/10
8281 Commonwealth Avenue		Work Order No:	10-05-1835
Buena Park, CA 90621-2537		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d25	10-05-1835-5-A	05/24/10 10:05	Solid	GC 43	05/26/10	05/28/10 01:50	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

MW-13d30	10-05-1835-6-A	05/24/10 10:15	Solid	GC 43	05/26/10	05/28/10 02:19	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

MW-13d35	10-05-1835-7-A	05/24/10 10:25	Solid	GC 43	05/26/10	05/28/10 02:47	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

MW-13d40	10-05-1835-8-A	05/24/10 10:30	Solid	GC 43	05/26/10	05/28/10 03:17	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/24/10
8281 Commonwealth Avenue	Work Order No:	10-05-1835
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d45	**10-05-1835-9-A**	**05/24/10 10:45**	**Solid**	**GC 43**	**05/26/10**	**05/28/10 03:50**	**100526B18**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	61-145	

MW-13d50	10-05-1835-10-A	05/24/10 10:55	Solid	GC 43	05/26/10	05/28/10 04:25	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

MW-13d55	10-05-1835-11-A	05/24/10 11:30	Solid	GC 43	05/26/10	05/28/10 05:24	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

MW-13d60	10-05-1835-12-A	05/24/10 11:40	Solid	GC 43	05/26/10	05/28/10 05:44	100526B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/24/10
8281 Commonwealth Avenue	Work Order No:	10-05-1835
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,080**	**N/A**	**Solid**	**GC 43**	**05/26/10**	**05/27/10 21:50**	**100526B18**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d5	**10-05-1835-1-A**	**05/24/10 09:40**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 03:29**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	5.3	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	127	71-137		1,2-Dichloroethane-d4	132	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d10	**10-05-1835-2-A**	**05/24/10 09:45**	**Solid**	**GC/MS W**	**05/26/10**	**05/26/10 18:20**	**100526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	126	71-137		1,2-Dichloroethane-d4	130	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d15	**10-05-1835-3-A**	**05/24/10 09:50**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 03:59**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	71-137		1,2-Dichloroethane-d4	130	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d20	**10-05-1835-4-A**	**05/24/10 09:55**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 04:28**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	131	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d25	**10-05-1835-5-A**	**05/24/10 10:05**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 04:57**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	131	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	87	66-126	
Toluene-d8-TPPH	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d30	**10-05-1835-6-A**	**05/24/10 10:15**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 05:26**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	125	71-137		1,2-Dichloroethane-d4	131	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d35	**10-05-1835-7-A**	**05/24/10 10:25**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 05:55**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	133	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d40	**10-05-1835-8-A**	**05/24/10 10:30**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 06:24**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	34	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	71-137		1,2-Dichloroethane-d4	128	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d45	10-05-1835-9-A	05/24/10 10:45	Solid	GC/MS W	05/25/10	05/26/10 06:53	100525L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	132	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d50	10-05-1835-10-A	05/24/10 10:55	Solid	GC/MS W	05/25/10	05/26/10 07:22	100525L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	126	71-137		1,2-Dichloroethane-d4	130	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d55	**10-05-1835-11-A**	**05/24/10 11:30**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 07:51**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	125	71-137		1,2-Dichloroethane-d4	131	58-160	
Toluene-d8	103	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/24/10
Work Order No:	10-05-1835
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13d60	**10-05-1835-12-A**	**05/24/10 11:40**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 08:20**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	125	71-137		1,2-Dichloroethane-d4	129	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Page 13 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,004**	**N/A**	**Solid**	**GC/MS W**	**05/25/10**	**05/26/10 01:33**	**100525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	117	71-137		1,2-Dichloroethane-d4	124	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	88	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,005**	**N/A**	**Solid**	**GC/MS W**	**05/26/10**	**05/26/10 13:27**	**100526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	71-137		1,2-Dichloroethane-d4	128	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
COMP (MW-13d25,30,35,40)	**10-05-1835-13-A**	**05/24/10 00:00**	**Solid**	**ICP 5300**	**05/25/10**	**05/25/10 19:21**	**100525L02**

Comment(s): -Mercury analysis was performed on 05/25/10 16:55 with batch 100525L02.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.70	0.750	1		Molybdenum	ND	0.250	1	
Barium	46.2	0.500	1		Nickel	6.83	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	8.51	0.250	1		Thallium	ND	0.750	1	
Cobalt	6.22	0.250	1		Vanadium	21.5	0.250	1	
Copper	7.92	0.500	1		Zinc	32.4	1.00	1	
Lead	2.72	0.500	1						

Method Blank	**099-04-007-7,032**	**N/A**	**Solid**	**Mercury**	**05/25/10**	**05/25/10 11:11**	**100525L02**

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-13,556**	**N/A**	**Solid**	**ICP 5300**	**05/25/10**	**05/25/10 16:38**	**100525L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 3050B
Method: EPA 6010B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1827-1	**Solid**	**ICP 5300**	**05/25/10**	**05/25/10**	**100525S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	15	21	50-115	35	0-20	3,4
Arsenic	96	105	75-125	6	0-20	
Barium	4X	4X	75-125	1	0-20	Q
Beryllium	101	101	75-125	0	0-20	
Cadmium	92	94	75-125	1	0-20	
Chromium	99	101	75-125	1	0-20	
Cobalt	104	105	75-125	1	0-20	
Copper	102	109	75-125	3	0-20	
Lead	93	98	75-125	3	0-20	
Molybdenum	85	90	75-125	4	0-20	
Nickel	97	102	75-125	2	0-20	
Selenium	83	89	75-125	7	0-20	
Silver	100	101	75-125	1	0-20	
Thallium	55	65	75-125	16	0-20	3
Vanadium	100	107	75-125	2	0-20	
Zinc	72	110	75-125	9	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 3550B
Method: EPA 8015B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-13d10	**Solid**	**GC 43**	**05/26/10**	**05/27/10**	**100526S18**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	119	115	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1859-15	**Solid**	**Mercury**	**05/25/10**	**05/25/10**	**100525S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	98	71-137	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1341-20	Solid	GC/MS W	05/25/10	05/25/10	100525S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	91	40-142	1	0-18	
Carbon Tetrachloride	89	88	37-139	0	0-20	
Chlorobenzene	83	84	43-127	2	0-26	
1,2-Dibromoethane	79	82	70-130	4	0-30	
1,2-Dichlorobenzene	71	74	40-160	4	0-36	
1,1-Dichloroethene	102	101	16-178	1	0-25	
Ethylbenzene	95	95	70-130	0	0-30	
Toluene	90	90	44-128	0	0-15	
Trichloroethene	100	100	47-131	0	0-19	
Vinyl Chloride	98	100	29-161	2	0-42	
Methyl-t-Butyl Ether (MTBE)	72	76	42-150	5	0-34	
Tert-Butyl Alcohol (TBA)	70	75	61-109	6	0-47	
Diisopropyl Ether (DIPE)	82	85	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	75	80	73-132	6	0-25	
Tert-Amyl-Methyl Ether (TAME)	79	82	82-120	3	0-25	3
Ethanol	14	1	39-117	162	0-99	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/24/10
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-13d10	Solid	GC/MS W	05/26/10	05/26/10	100526S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	102	40-142	1	0-18	
Carbon Tetrachloride	92	91	37-139	1	0-20	
Chlorobenzene	97	96	43-127	1	0-26	
1,2-Dibromoethane	100	100	70-130	0	0-30	
1,2-Dichlorobenzene	90	91	40-160	1	0-36	
1,1-Dichloroethene	109	106	16-178	2	0-25	
Ethylbenzene	107	105	70-130	2	0-30	
Toluene	103	101	44-128	2	0-15	
Trichloroethene	98	97	47-131	1	0-19	
Vinyl Chloride	103	102	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	90	91	42-150	1	0-34	
Tert-Butyl Alcohol (TBA)	93	86	61-109	7	0-47	
Diisopropyl Ether (DIPE)	98	98	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	90	92	73-132	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	95	97	82-120	2	0-25	
Ethanol	124	98	39-117	23	0-99	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1835
Preparation: EPA 3050B
Method: EPA 6010B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,556	Solid	ICP 5300	05/25/10	05/25/10	100525L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	95	97	80-120	73-127	2	0-20	
Arsenic	95	96	80-120	73-127	1	0-20	
Barium	108	108	80-120	73-127	0	0-20	
Beryllium	94	97	80-120	73-127	3	0-20	
Cadmium	96	97	80-120	73-127	1	0-20	
Chromium	98	98	80-120	73-127	0	0-20	
Cobalt	108	109	80-120	73-127	1	0-20	
Copper	104	104	80-120	73-127	0	0-20	
Lead	102	104	80-120	73-127	2	0-20	
Molybdenum	98	101	80-120	73-127	2	0-20	
Nickel	104	104	80-120	73-127	0	0-20	
Selenium	87	89	80-120	73-127	2	0-20	
Silver	100	100	80-120	73-127	0	0-20	
Thallium	99	102	80-120	73-127	2	0-20	
Vanadium	100	100	80-120	73-127	0	0-20	
Zinc	100	101	80-120	73-127	0	0-20	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1835
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,080	Solid	GC 43	05/26/10	05/27/10	100526B18

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	97	99	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1835
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,032	Solid	Mercury	05/25/10	05/25/10	100525L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	97	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1835
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,004	Solid	GC/MS W	05/25/10	05/26/10	100525L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	103	102	85-115	80-120	1	0-11	
Carbon Tetrachloride	92	93	68-134	57-145	0	0-14	
Chlorobenzene	100	100	83-119	77-125	1	0-9	
1,2-Dibromoethane	102	104	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	96	97	57-135	44-148	1	0-10	
1,1-Dichloroethene	107	107	72-120	64-128	0	0-10	
Ethylbenzene	109	109	80-120	73-127	1	0-20	
Toluene	104	102	67-127	57-137	2	0-10	
Trichloroethene	99	98	88-112	84-116	1	0-9	
Vinyl Chloride	103	103	57-129	45-141	0	0-16	
Methyl-t-Butyl Ether (MTBE)	96	97	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	97	96	31-145	12-164	1	0-23	
Diisopropyl Ether (DIPE)	102	102	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	98	98	77-125	69-133	0	0-9	
Tert-Amyl-Methyl Ether (TAME)	104	102	81-123	74-130	1	0-10	
Ethanol	119	96	44-152	26-170	21	0-24	
TPPH	82	82	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.	Date Received:	N/A
8281 Commonwealth Avenue	Work Order No:	10-05-1835
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,005	Solid	GC/MS W	05/26/10	05/26/10	100526L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	105	85-115	80-120	2	0-11	
Carbon Tetrachloride	96	97	68-134	57-145	0	0-14	
Chlorobenzene	105	104	83-119	77-125	1	0-9	
1,2-Dibromoethane	105	104	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	1	0-10	
1,1-Dichloroethene	113	112	72-120	64-128	1	0-10	
Ethylbenzene	115	115	80-120	73-127	0	0-20	
Toluene	109	107	67-127	57-137	2	0-10	
Trichloroethene	104	102	88-112	84-116	2	0-9	
Vinyl Chloride	109	107	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	97	98	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	92	97	31-145	12-164	5	0-23	
Diisopropyl Ether (DIPE)	105	104	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	98	99	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	102	102	81-123	74-130	0	0-10	
Ethanol	122	125	44-152	26-170	3	0-24	
TPPH	86	83	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-05-1835

Qualifier	Definition
*	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.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.24.10
PAGE: 2 of 2

SAMPLING COMPANY: Wayne Perry, inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach, State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 10-05-1835

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
11	MW-13d55	5/24	1130	soil				X		1	X			X	X	X		X			
12	MW-13d60	5/24	1140	soil				X		1	X			X	X	X		X			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	Percy A. Az	5.24.10	1531
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5-24-10
PAGE: 1 of 2

SAMPLING COMPANY: Wayne Perry, inc
LOG CODE:
SITE ADDRESS: Street and City: 18502 Beach Blvd. Huntington Beach, State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 10-05-1835

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	Container PID Readings or Laboratory Notes
1	MW-13d5	5/24	0940	soil				X		1	X			X	X	X		X			
2	MW-13d10		0945																		
3	MW-13d15		0950																		
4	MW-13d20		0955																		
5	MW-13d25		1005																X		
6	MW-13d30		1015																X		
7	MW-13d35		1025																X		
8	MW-13d40		1030																X		
9	MW-13d45		1045																		
10	MW-13d50		1055					X			X			X	X	X		X			

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	Percy A. Az	5.24.10	1531
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-1 8 3 5

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: WP/

DATE: 05/24/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.9 °C + 0.5 °C (CF) = 3.4 °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 ☐ Metals Only ☐ PCBs Only Initial: PS

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: NC

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (13) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** NC

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** NC

SOP T100_090 (05/10/10)

Calscience Environmental Laboratories, Inc.

nelac

June 09, 2010

Truedi Balsitis
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Subject: **Calscience Work Order No.:** **10-05-1943**
Client Reference: **18502 Beach Blvd., Huntington Beach, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/25/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d5	10-05-1943-1-A	05/25/10 07:40	Solid	GC 45	05/30/10	06/02/10 00:07	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

MW-14d10	10-05-1943-2-A	05/25/10 07:45	Solid	GC 45	05/30/10	06/02/10 00:22	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

MW-14d15	10-05-1943-3-A	05/25/10 07:50	Solid	GC 45	05/30/10	06/02/10 00:38	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

MW-14d20	10-05-1943-4-A	05/25/10 08:00	Solid	GC 45	05/30/10	06/02/10 00:53	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d25	10-05-1943-5-A	05/25/10 08:05	Solid	GC 45	05/30/10	06/02/10 01:09	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

MW-14d30	10-05-1943-6-A	05/25/10 08:15	Solid	GC 45	05/30/10	06/02/10 01:24	100530B06

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	5.7	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

MW-14d35	10-05-1943-7-A	05/25/10 08:20	Solid	GC 45	05/30/10	06/02/10 01:39	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

MW-14d40	10-05-1943-8-A	05/25/10 08:30	Solid	GC 45	05/30/10	06/02/10 01:54	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d45	10-05-1943-9-A	05/25/10 08:35	Solid	GC 45	05/30/10	06/02/10 02:09	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

MW-14d50	10-05-1943-10-A	05/25/10 08:40	Solid	GC 45	05/30/10	06/02/10 02:25	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

MW-15d5	10-05-1943-11-A	05/25/10 11:30	Solid	GC 45	05/30/10	06/02/10 02:56	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

MW-15d10	10-05-1943-12-A	05/25/10 11:35	Solid	GC 45	05/30/10	06/02/10 03:11	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d15	10-05-1943-13-A	05/25/10 11:40	Solid	GC 45	05/30/10	06/02/10 03:26	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

MW-15d20	10-05-1943-14-A	05/25/10 11:45	Solid	GC 45	05/30/10	06/02/10 03:41	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

MW-15d25	10-05-1943-15-A	05/25/10 11:50	Solid	GC 45	05/30/10	06/02/10 03:57	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

MW-15d30	10-05-1943-16-A	05/25/10 12:00	Solid	GC 45	05/30/10	06/02/10 04:13	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d35	**10-05-1943-17-A**	**05/25/10 12:40**	**Solid**	**GC 45**	**05/30/10**	**06/02/10 04:29**	**100530B06**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

MW-15d40	10-05-1943-18-A	05/25/10 12:45	Solid	GC 45	05/30/10	06/02/10 04:44	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

MW-15d45	10-05-1943-19-A	05/25/10 12:55	Solid	GC 45	05/30/10	06/02/10 05:00	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

MW-15d50	10-05-1943-20-A	05/25/10 13:05	Solid	GC 45	05/30/10	06/02/10 05:15	100530B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 3550B
Method: EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,094**	**N/A**	**Solid**	**GC 45**	**05/30/10**	**06/01/10 22:49**	**100530B06**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/25/10
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d5	10-05-1943-1-A	05/25/10 07:40	Solid	GC/MS UU	05/28/10	05/28/10 22:41	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	76	71-137		1,2-Dichloroethane-d4	107	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	97	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/25/10
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d10	10-05-1943-2-A	05/25/10 07:45	Solid	GC/MS UU	05/28/10	05/28/10 20:54	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	71-137		1,2-Dichloroethane-d4	97	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d15	**10-05-1943-3-A**	**05/25/10 07:50**	**Solid**	**GC/MS UU**	**05/28/10**	**05/28/10 23:08**	**100528L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	71-137		1,2-Dichloroethane-d4	96	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d20	**10-05-1943-4-A**	**05/25/10 08:00**	**Solid**	**GC/MS W**	**06/01/10**	**06/01/10 18:20**	**100601L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	122	71-137		1,2-Dichloroethane-d4	119	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	83	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/25/10
Work Order No:	10-05-1943
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d25	**10-05-1943-5-A**	**05/25/10 08:05**	**Solid**	**GC/MS UU**	**05/28/10**	**05/29/10 00:02**	**100528L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	71-137		1,2-Dichloroethane-d4	95	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received:	05/25/10
Work Order No:	10-05-1943
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d30	**10-05-1943-6-A**	**05/25/10 08:15**	**Solid**	**GC/MS UU**	**05/28/10**	**05/29/10 00:28**	**100528L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	71-137		1,2-Dichloroethane-d4	98	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d35	10-05-1943-7-A	05/25/10 08:20	Solid	GC/MS W	05/29/10	05/30/10 04:19	100529L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	71-137		1,2-Dichloroethane-d4	123	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d40	10-05-1943-8-A	05/25/10 08:30	Solid	GC/MS W	06/01/10	06/01/10 18:49	100601L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	122	71-137		1,2-Dichloroethane-d4	122	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d45	**10-05-1943-9-A**	**05/25/10 08:35**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 05:18**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	71-137		1,2-Dichloroethane-d4	130	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14d50	**10-05-1943-10-A**	**05/25/10 08:40**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 05:47**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	128	71-137		1,2-Dichloroethane-d4	137	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	83	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d5	10-05-1943-11-A	05/25/10 11:30	Solid	GC/MS W	05/29/10	05/30/10 06:16	100529L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	71-137		1,2-Dichloroethane-d4	127	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d10	10-05-1943-12-A	05/25/10 11:35	Solid	GC/MS W	05/29/10	05/30/10 02:52	100529L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	122	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d15	**10-05-1943-13-A**	**05/25/10 11:40**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 06:46**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	127	71-137		1,2-Dichloroethane-d4	129	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d20	**10-05-1943-14-A**	**05/25/10 11:45**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 07:15**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	130	71-137		1,2-Dichloroethane-d4	132	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	83	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d25	**10-05-1943-15-A**	**05/25/10 11:50**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 07:44**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	128	71-137		1,2-Dichloroethane-d4	130	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	82	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d30	**10-05-1943-16-A**	**05/25/10 12:00**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 08:14**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	132	71-137		1,2-Dichloroethane-d4	134	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	82	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d35	10-05-1943-17-A	05/25/10 12:40	Solid	GC/MS W	06/01/10	06/01/10 19:18	100601L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	71-137		1,2-Dichloroethane-d4	125	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	83	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d40	10-05-1943-18-A	05/25/10 12:45	Solid	GC/MS W	05/29/10	05/30/10 09:12	100529L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
terl-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	126	71-137		1,2-Dichloroethane-d4	114	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	81	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d45	**10-05-1943-19-A**	**05/25/10 12:55**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 09:41**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	13	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	130	71-137		1,2-Dichloroethane-d4	136	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-15d50	**10-05-1943-20-A**	**05/25/10 13:05**	**Solid**	**GC/MS W**	**06/01/10**	**06/01/10 19:48**	**100601L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	71-137		1,2-Dichloroethane-d4	110	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Page 21 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,018**	**N/A**	**Solid**	**GC/MS UU**	**05/28/10**	**05/28/10 20:01**	**100528L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	71-137		1,2-Dichloroethane-d4	107	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	100	66-126	
Toluene-d8-TPPH	96	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,020**	**N/A**	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10 01:54**	**100529L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	71-137		1,2-Dichloroethane-d4	120	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	86	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Wayne Perry, Inc.	Date Received:	05/25/10
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/kg

Project: 18502 Beach Blvd., Huntington Beach, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,022**	**N/A**	**Solid**	**GC/MS W**	**06/01/10**	**06/01/10 15:23**	**100601L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	25	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		Xylenes (total)	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
c-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
t-1,2-Dichloroethene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Ethanol	ND	500	1	
2,2-Dichloropropane	ND	5.0	1		TPPH	ND	500	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	71-137		1,2-Dichloroethane-d4	116	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	85	66-126	
Toluene-d8-TPPH	95	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.	Date Received:	05/25/10
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-14d5	**Solid**	**GC 45**	**05/30/10**	**06/01/10**	**100530S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	100	99	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-14d10	**Solid**	**GC/MS UU**	**05/28/10**	**05/28/10**	**100528S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	102	40-142	2	0-18	
Carbon Tetrachloride	100	97	37-139	3	0-20	
Chlorobenzene	101	102	43-127	1	0-26	
1,2-Dibromoethane	87	86	70-130	1	0-30	
1,2-Dichlorobenzene	98	97	40-160	0	0-36	
1,2-Dichloroethane	91	86	80-120	6	0-20	
1,1-Dichloroethene	114	180	16-178	45	0-25	4,3
Ethylbenzene	103	105	70-130	2	0-30	
Toluene	103	102	44-128	1	0-15	
Trichloroethene	102	102	47-131	0	0-19	
Vinyl Chloride	113	177	29-161	44	0-42	4,3
Methyl-t-Butyl Ether (MTBE)	90	136	42-150	41	0-34	4
Tert-Butyl Alcohol (TBA)	92	0	61-109	200	0-47	4,3
Diisopropyl Ether (DIPE)	102	151	73-133	39	0-25	4,3
Ethyl-t-Butyl Ether (ETBE)	97	134	73-132	33	0-25	4,3
Tert-Amyl-Methyl Ether (TAME)	94	93	82-120	1	0-25	
Ethanol	65	0	39-117	197	0-99	4,3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: 05/25/10
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-15d10	**Solid**	**GC/MS W**	**05/29/10**	**05/30/10**	**100529S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	101	40-142	6	0-18	
Carbon Tetrachloride	84	91	37-139	8	0-20	
Chlorobenzene	88	93	43-127	6	0-26	
1,2-Dibromoethane	91	96	70-130	5	0-30	
1,2-Dichlorobenzene	79	83	40-160	5	0-36	
1,2-Dichloroethane	90	92	80-120	3	0-20	
1,1-Dichloroethene	84	89	16-178	5	0-25	
Ethylbenzene	96	102	70-130	5	0-30	
Toluene	94	100	44-128	5	0-15	
Trichloroethene	92	101	47-131	10	0-19	
Vinyl Chloride	80	86	29-161	7	0-42	
Methyl-t-Butyl Ether (MTBE)	80	84	42-150	4	0-34	
Tert-Butyl Alcohol (TBA)	78	85	61-109	9	0-47	
Diisopropyl Ether (DIPE)	88	92	73-133	5	0-25	
Ethyl-t-Butyl Ether (ETBE)	77	82	73-132	6	0-25	
Tert-Amyl-Methyl Ether (TAME)	82	86	82-120	5	0-25	
Ethanol	88	92	39-117	4	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Wayne Perry, Inc.	Date Received:	05/25/10
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1955-1	**Solid**	**GC/MS W**	**06/01/10**	**06/02/10**	**100601S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	89	61-127	13	0-20	
Carbon Tetrachloride	90	78	51-135	13	0-29	
Chlorobenzene	90	82	57-123	9	0-20	
1,2-Dibromoethane	88	86	64-124	2	0-20	
1,2-Dichlorobenzene	77	72	35-131	8	0-25	
1,2-Dichloroethane	89	84	80-120	6	0-20	
1,1-Dichloroethene	87	74	47-143	16	0-25	
Ethylbenzene	100	89	57-129	12	0-22	
Toluene	101	89	63-123	12	0-20	
Trichloroethene	104	93	44-158	11	0-20	
Vinyl Chloride	83	66	49-139	23	0-47	
Methyl-t-Butyl Ether (MTBE)	78	76	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	82	75	30-168	10	0-34	
Diisopropyl Ether (DIPE)	89	81	57-129	9	0-20	
Ethyl-t-Butyl Ether (ETBE)	77	73	55-127	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	81	78	58-124	4	0-20	
Ethanol	51	33	17-167	43	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.	Date Received:	N/A
8281 Commonwealth Avenue	Work Order No:	10-05-1943
Buena Park, CA 90621-2537	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,094	**Solid**	**GC 45**	**05/30/10**	**06/01/10**	**100530B06**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	96	99	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,018	Solid	GC/MS UU	05/28/10	05/28/10	100528L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	101	102	85-115	80-120	0	0-11	
Carbon Tetrachloride	109	110	68-134	57-145	1	0-14	
Chlorobenzene	101	100	83-119	77-125	1	0-9	
1,2-Dibromoethane	101	100	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	102	101	57-135	44-148	0	0-10	
1,1-Dichloroethene	102	102	72-120	64-128	0	0-10	
Ethylbenzene	101	101	80-120	73-127	1	0-20	
Toluene	103	102	67-127	57-137	0	0-10	
Trichloroethene	98	97	88-112	84-116	1	0-9	
Vinyl Chloride	102	97	57-129	45-141	5	0-16	
Methyl-t-Butyl Ether (MTBE)	104	97	76-124	68-132	6	0-12	
Tert-Butyl Alcohol (TBA)	98	98	31-145	12-164	0	0-23	
Diisopropyl Ether (DIPE)	103	101	74-128	65-137	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	102	100	77-125	69-133	3	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	101	81-123	74-130	3	0-10	
Ethanol	105	106	44-152	26-170	0	0-24	
TPPH	84	83	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,020	Solid	GC/MS W	05/29/10	05/30/10	100529L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	109	85-115	80-120	1	0-11	
Carbon Tetrachloride	95	94	68-134	57-145	1	0-14	
Chlorobenzene	104	104	83-119	77-125	0	0-9	
1,2-Dibromoethane	103	103	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	97	97	57-135	44-148	1	0-10	
1,1-Dichloroethene	95	94	72-120	64-128	1	0-10	
Ethylbenzene	113	114	80-120	73-127	1	0-20	
Toluene	108	109	67-127	57-137	1	0-10	
Trichloroethene	108	105	88-112	84-116	3	0-9	
Vinyl Chloride	91	90	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	90	90	76-124	68-132	0	0-12	
Tert-Butyl Alcohol (TBA)	99	102	31-145	12-164	4	0-23	
Diisopropyl Ether (DIPE)	100	100	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	90	90	77-125	69-133	0	0-9	
Tert-Amyl-Methyl Ether (TAME)	93	94	81-123	74-130	1	0-10	
Ethanol	105	122	44-152	26-170	16	0-24	
TPPH	83	83	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621-2537

Date Received: N/A
Work Order No: 10-05-1943
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 18502 Beach Blvd., Huntington Beach, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,022	Solid	GC/MS W	06/01/10	06/01/10	100601L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	105	105	85-115	80-120	0	0-11	
Carbon Tetrachloride	95	96	68-134	57-145	1	0-14	
Chlorobenzene	103	102	83-119	77-125	1	0-9	
1,2-Dibromoethane	99	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	96	96	57-135	44-148	0	0-10	
1,1-Dichloroethene	90	92	72-120	64-128	1	0-10	
Ethylbenzene	112	112	80-120	73-127	0	0-20	
Toluene	107	107	67-127	57-137	0	0-10	
Trichloroethene	103	104	88-112	84-116	1	0-9	
Vinyl Chloride	88	87	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	88	89	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	91	93	31-145	12-164	2	0-23	
Diisopropyl Ether (DIPE)	96	96	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	89	91	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	95	95	81-123	74-130	0	0-10	
Ethanol	99	99	44-152	26-170	0	0-24	
TPPH	82	82	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-05-1943

Qualifier	Definition
*	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.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.25.10
PAGE: 2 of 2

SAMPLING COMPANY: Wayne Perry, Inc
LOG CODE:
SITE ADDRESS: Street and City: 14502 Beach Blvd, Huntington Beach, State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 10-05-1943

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
11	MW-15 d5	5/25	1130	Soil				X		1	X			X	X	X		X			
12	MW-15 d10		1135																		
13	MW-15 d15		1140																		
14	MW-15 d20		1145																		
15	MW-15 d25		1150																		
16	MW-15 d30		1200																		
17	MW-15 d35		1240																		
18	MW-15 d40		1245																		
19	MW-15 d45		1255																		
20	MW-15 d50		1305					X			X			X	X	X		X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	[signature]	5.25.10	1550

05/2/08 Revision

WAYNE PERRY, INC - Chain of Custody for Shell Oil Products

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To:
WAYNE PERRY, INC.
8281 Commonwealth Ave
Buena Park, CA 90621

DATE: 5.25.10
PAGE: 1 of 2

SAMPLING COMPANY: Wayne Perry, Inc
LOG CODE:
SITE ADDRESS: Street and City: 14502 Beach Blvd, Huntington Beach, State: CA
GLOBAL ID NO.:
ADDRESS: 8281 commonwealth ave, Buena Park, CA 92807
EDF DELIVERABLE TO (Name, Company, Office Location): Truedi Balsitis
PHONE NO.:
E-MAIL: Tbalsitis@WPINC.com
CONSULTANT PROJECT NO.: 09.666
SAMPLING COMPANY PROJECT CONTACT (PDF Report to): Truedi Balsitis (tbalsitis@wpinc.com)
TELEPHONE:
FAX:
E-MAIL:
SAMPLER NAME(S) (Print): MARCO ESCOBEDO
LAB USE ONLY: 10-05-1943

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-D Extractable (8015M)	TPH-G - Purgeable (8015M)	TPH-G - Purgeable (8260B)	TPPH - Purgeable (8260B)	BTEX / Oxygenates (8260B)	Ethanol (8260B)	Methanol (8015M)	FULL SCAN - (8260B)	Test For Disposal - 4B-28	FULL SCAN (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	MW-14 d5	5/25	0740	Soil				X		1	X			X	X	X		X			
2	MW-14 d10		0745																		
3	MW-14 d15		0750																		
4	MW-14 d20		0800																		
5	MW-14 d25		0805																		
6	MW-14 d30		0815																		
7	MW-14 d35		0820																		
8	MW-14 d40		0830																		
9	MW-14 d45		0835																		
10	MW-14 d50		0840					X			X			X	X	X		X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marco Escobedo	[signature]	5.25.10	1550

05/2/08 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-05-1943

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: WPI

DATE: 05/25/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.4 °C + 0.5 °C (CF) = 3.9 °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 ☐ Metals Only ☐ PCBs Only Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: D.L

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (B) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** D.L

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** DL

SOP T100_090 (05/10/10)

From: Truedi Balsitis
To: David Sampson;
Subject: RE: 10-05-1943
Date: Wednesday, May 26, 2010 10:22:08 AM

Yes please analyze all samples for Diesel. Thanks
I guess the Geo was in a rush while completing the chain of custody.

Thanks,
Truedi

From: David Sampson [mailto:dsampson@calscience.com]
Sent: Wednesday, May 26, 2010 10:03 AM
To: Truedi Balsitis
Subject: 10-05-1943

Truedi,

Should samples MW-14d10 - MW-14d45 be analyzed for DRO? Or is the COC correct on the first page? Thanks.

<<10-05-1943.PDF>>

David Sampson
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x230
Fax: 714-894-7501
dsampson@calscience.com

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APPENDIX G

PTS LABORATORIES SOIL PHYSICAL ANALYSES REPORT

PTS Laboratories

Project Name: Shell
Project Number: 09.666

PTS File No: 40388
Client: Wayne Perry

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	Soil Properties Pkg.	Hydraulic Conductivity Pkg.	Vapor Transport Package			Notes
		Plugs:	Vert. 1"	Vert. 1"	Various			
Date Received: 6/4/10								
CPT1d25	25	0.5	X					
CPT4d25	25	0.5	X					
CPT1d50	50	0.5		X				
CPT4d53	53	0.5		X				
CPT1d10	10	0.5			X			
CPT4d10	10	0.5			X			
TOTALS:	6 cores	3.0	2	2	2			

Laboratory Test Program Notes

Vapor Transport Package (Johnson-Ettinger): Input parameters for Johnson-Ettinger Model; Includes air permeability (native + specific), porosity (total, effective, air-filled, water-filled), volumetric air & water, moisture content, intrinsic permeability/hydraulic conductivity, grain density, dry bulk density, TOC (foc), soil classification USCS/USDA (sieve + Atterberg Limits).

PTS Laboratories, Inc.
8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

June 28, 2010

Jessica Korte
Wayne Perry
8281 Commonwealth Avenue
Buena Park, CA 90621

Re: PTS File No: 40388
Physical Properties Data
Shell; 09.666

Dear Ms. Korte:

Please find enclosed report for Physical Properties analyses conducted upon cores received from your Shell; 09.666 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 347-2504.

Sincerely,
PTS Laboratories

Rachel Spitz
Project Manager

Encl.

PTS File No: 40388
Client: Wayne Perry

PTS Laboratories

PHYSICAL PROPERTIES DATA - HYDRAULIC CONDUCTIVITY PACKAGE

PROJECT NAME: Shell
PROJECT NO: 09.666

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	API RP 40; EPA 9100	
									25 PSI CONFINING STRESS	
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY BULK, g/cc	DENSITY GRAIN, g/cc	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	TOTAL PORE FLUID SATURATIONS (3), % Pv	EFFECTIVE (4,5) PERMEABILITY TO WATER, millidarcy	HYDRAULIC CONDUCTIVITY (4,5), cm/s
CPT1d50	50	V	39.3	1.19	2.63	54.8	8.0	85.3	1.13	1.16E-06
CPT4d53	53	V	6.4	1.41	2.66	47.2	38.2	19.1	1931	1.98E-03

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Water = 0.9996 g/cc (4) Native State or Effective = With as-received pore fluids in place (5) Permeability to water and hydraulic conductivity measured at saturated conditions; Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No: 40388
Client: Wayne Perry

PTS Laboratories

PHYSICAL PROPERTIES DATA - SOIL PROPERTIES PACKAGE (VADOSE ZONE)

PROJECT NAME: Shell
PROJECT NO: 09.666

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	API RP 40
									25 PSI CONFINING STRESS
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY BULK, g/cc	DENSITY GRAIN, g/cc	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	TOTAL PORE FLUID SATURATIONS (3), % Pv	EFFECTIVE PERMEABILITY TO AIR (4), millidarcy
CPT1d25	25	V	4.0	1.47	2.65	44.5	38.7	13.0	4191
CPT4d25	25	V	3.3	1.49	2.65	43.7	38.8	11.2	7722

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Reported as water only; (4) Native or Effective State = As received with pore fluids in place Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS Laboratories

PTS File No: 40388
Client: Wayne Perry

PERMEABILITY DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: Shell
PROJECT NO: 09.666

		METHODOLOGY:	API RP40		API RP40 / EPA 9100		
			25 PSI CONFINING PRESSURE		25 PSI CONFINING PRESSURE		
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	EFFECTIVE PERMEABILITY TO AIR (2), millidarcy	SPECIFIC PERMEABILITY TO AIR (3), millidarcy	SPECIFIC PERMEABILITY TO WATER (4), millidarcy	HYDRAULIC CONDUCTIVITY (4), cm/s	INTRINSIC PERMEABILITY TO WATER (4), cm^2
CPT1d10	10	V	2802	4866	165	1.69E-04	1.62E-09
CPT4d10	10	V	7061	8347	319	3.27E-04	3.15E-09

(1) Sample Orientation: H = horizontal, V = vertical, R = remold
(2) Native State = As received with pore fluids in place
(3) Specific = without moisture
(4) Permeability to water and conductivity measured at saturated conditions

PTS Laboratories

PTS File No: 40388
Client: Wayne Perry

PHYSICAL PROPERTIES DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: Shell
PROJECT NO: 09.666

	METHODOLOGY:	API RP40/ASTM D2216			API RP40		API RP40			Mod. ASTM D425	API RP40	WALKLEY-BLACK
							POROSITY (2)					
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	MOISTURE CONTENT, cm^3/cm^3	DENSITY DRY BULK, g/cm^3	DENSITY GRAIN, g/cm^3	TOTAL, cm^3/cm^3	AIR FILLED, cm^3/cm^3	WATER FILLED, cm^3/cm^3	EFFECTIVE, cm^3/cm^3	TOTAL PORE FLUID (3) SATURATIONS, % Pv	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
CPT1d10	10	V	12.1	0.177	1.47	2.67	0.451	0.274	0.178	0.204	39.3	1500	1.50E-03
CPT4d10	10	V	5.3	0.077	1.45	2.68	0.460	0.383	0.077	0.311	16.7	600	6.00E-04

(1) Sample Orientation: H = horizontal; V = vertical
(2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids, native sample; Effective = drainage porosity
(3) Water = 0.9996 g/cc; Pv = Pore Volume; ND = Not Detected

PTS Laboratories, Inc.

Wayne Perry
PTS File No: 40388

PARTICLE SIZE SUMMARY
(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: Shell
PROJECT NO: 09.666

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
CPT1d10	10	Fine sand	0.166	0.00	0.00	27.67	34.80	29.64	7.90	37.54
CPT4d10	10	Fine sand	0.212	0.00	0.00	23.15	64.66	10.79	1.40	12.19

(1) Based on Mean from Trask

PTS Laboratories

PTS File No: 40388
Client: Wayne Perry

SOIL CLASSIFICATION DATA - VAPOR TRANSPORT PACKAGE

PROJECT NAME: Shell
PROJECT NO: 09.666

	METHODS:	ASTM D4318			ASTM D4318	ASTM D2487	USDA
		ATTERBERG LIMITS (1)			USCS / PLASTICITY	USCS	USDA/SCS (2)
SAMPLE ID.	DEPTH, ft.	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	CHART SYMBOL (Fines: <#40 Sieve)	CLASSIFICATION, Group Symbol: Name	SOIL TEXTURE SCHEME
CPT1d10	10	13.9	N/A	NON-PLASTIC	ML	SM: Silty sand	Sandy loam
CPT4d10	10	13.6	N/A	NON-PLASTIC	ML	SM: Silty sand	Sand

USCS: Unified Soil Classification System
USDA: US Department of Agriculture
SCS: Soil Conservation Service

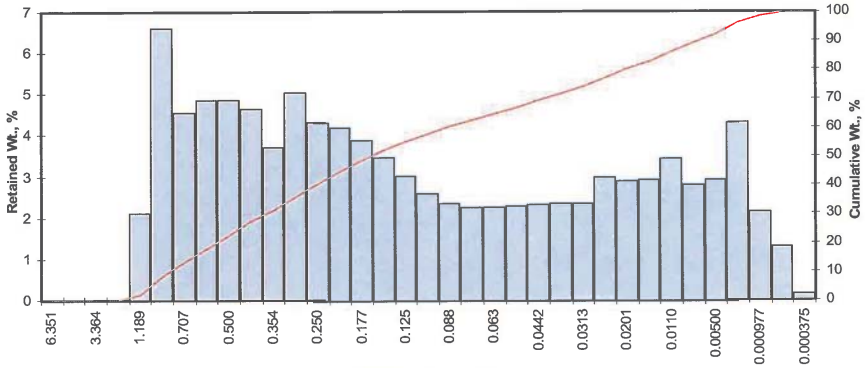
(1) Silt assumed as fine fraction for NON-PLASTIC (NP) samples. (2) Sand considered to be >No. 200 sieve for USDA SOIL TEXTURE SCHEME.

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Wayne Perry	**PTS File No:**	40388
Project:	Shell	**Sample ID:**	CPT1d10
Project No:	09.666	**Depth, ft:**	10

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	2.11	2.11	2.11
0.0331	0.841	0.25	20	6.62	6.62	8.73
0.0278	0.707	0.50	25	4.57	4.57	13.30
0.0234	0.595	0.75	30	4.85	4.85	18.15
0.0197	0.500	1.00	35	4.87	4.87	23.02
0.0166	0.420	1.25	40	4.65	4.65	27.67
0.0139	0.354	1.50	45	3.71	3.71	31.38
0.0117	0.297	1.75	50	5.04	5.04	36.42
0.0098	0.250	2.00	60	4.31	4.31	40.73
0.0083	0.210	2.25	70	4.19	4.19	44.92
0.0070	0.177	2.50	80	3.88	3.88	48.80
0.0059	0.149	2.75	100	3.47	3.47	52.26
0.0049	0.125	3.00	120	3.01	3.01	55.27
0.0041	0.105	3.25	140	2.59	2.59	57.86
0.0035	0.088	3.50	170	2.34	2.34	60.20
0.0029	0.074	3.75	200	2.26	2.26	62.46
0.0025	0.063	4.00	230	2.27	2.27	64.73
0.0021	0.053	4.25	270	2.29	2.29	67.02
0.00174	0.0442	4.50	325	2.33	2.33	69.35
0.00146	0.0372	4.75	400	2.35	2.35	71.70
0.00123	0.0313	5.00	450	2.36	2.36	74.06
0.000986	0.0250	5.32	500	3.00	3.00	77.06
0.000790	0.0201	5.64	635	2.91	2.91	79.97
0.000615	0.0156	6.00		2.94	2.94	82.91
0.000435	0.0110	6.50		3.43	3.43	86.34
0.000308	0.00781	7.00		2.82	2.82	89.16
0.000197	0.00500	7.65		2.94	2.94	92.10
0.000077	0.00195	9.00		4.33	4.33	96.43
0.000038	0.000977	10.00		2.14	2.14	98.57
0.000019	0.000488	11.00		1.29	1.29	99.86
0.000015	0.000375	11.38		0.14	0.14	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	-0.03	0.0402	1.022
10	0.32	0.0315	0.801
16	0.64	0.0253	0.642
25	1.11	0.0183	0.464
40	1.96	0.0101	0.257
50	2.59	0.0066	0.166
60	3.48	0.0035	0.090
75	5.10	0.0011	0.029
84	6.16	0.0006	0.014
90	7.18	0.0003	0.007
95	8.55	0.0001	0.003

Measure	Trask	Inman	Folk-Ward
Median, phi	2.59	2.59	2.59
Median, in.	0.0066	0.0066	0.0066
Median, mm	0.166	0.166	0.166
Mean, phi	2.02	3.40	3.13
Mean, in.	0.0097	0.0037	0.0045
Mean, mm	0.247	0.095	0.114
Sorting	3.991	2.760	2.680
Skewness	0.699	0.294	0.342
Kurtosis	0.274	0.555	0.881
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

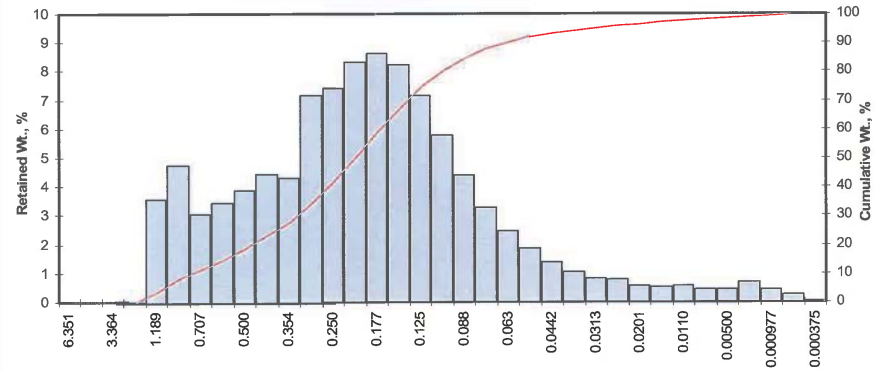
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	27.67
Fine Sand	200	34.80
Silt	>0.005 mm	29.64
Clay	<0.005 mm	7.90
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Wayne Perry	**PTS File No:**	40388
Project:	Shell	**Sample ID:**	CPT4d10
Project No:	09.666	**Depth, ft:**	10

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	3.56	3.56	3.56
0.0331	0.841	0.25	20	4.76	4.76	8.32
0.0278	0.707	0.50	25	3.05	3.05	11.37
0.0234	0.595	0.75	30	3.43	3.43	14.80
0.0197	0.500	1.00	35	3.90	3.90	18.70
0.0166	0.420	1.25	40	4.45	4.45	23.15
0.0139	0.354	1.50	45	4.29	4.29	27.44
0.0117	0.297	1.75	50	7.17	7.17	34.61
0.0098	0.250	2.00	60	7.41	7.41	42.02
0.0083	0.210	2.25	70	8.32	8.32	50.34
0.0070	0.177	2.50	80	8.63	8.63	58.97
0.0059	0.149	2.75	100	8.23	8.23	67.20
0.0049	0.125	3.00	120	7.16	7.16	74.36
0.0041	0.105	3.25	140	5.76	5.76	80.12
0.0035	0.088	3.50	170	4.40	4.40	84.52
0.0029	0.074	3.75	200	3.29	3.29	87.81
0.0025	0.063	4.00	230	2.46	2.46	90.27
0.0021	0.053	4.25	270	1.85	1.85	92.12
0.00174	0.0442	4.50	325	1.39	1.39	93.51
0.00146	0.0372	4.75	400	1.04	1.04	94.55
0.00123	0.0313	5.00	450	0.80	0.80	95.35
0.000986	0.0250	5.32	500	0.77	0.77	96.12
0.000790	0.0201	5.64	635	0.58	0.58	96.70
0.000615	0.0156	6.00		0.51	0.51	97.21
0.000435	0.0110	6.50		0.54	0.54	97.75
0.000308	0.00781	7.00		0.42	0.42	98.17
0.000197	0.00500	7.65		0.43	0.43	98.60
0.000077	0.00195	9.00		0.69	0.69	99.29
0.000038	0.000977	10.00		0.42	0.42	99.71
0.000019	0.000488	11.00		0.26	0.26	99.97
0.000015	0.000375	11.38		0.03	0.03	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	-0.10	0.0422	1.071
10	0.39	0.0301	0.764
16	0.83	0.0222	0.564
25	1.36	0.0154	0.390
40	1.93	0.0103	0.262
50	2.24	0.0083	0.212
60	2.53	0.0068	0.173
75	3.03	0.0048	0.123
84	3.47	0.0036	0.090
90	3.97	0.0025	0.064
95	4.89	0.0013	0.034

Measure	Trask	Inman	Folk-Ward
Median, phi	2.24	2.24	2.24
Median, in.	0.0083	0.0083	0.0083
Median, mm	0.212	0.212	0.212
Mean, phi	1.96	2.15	2.18
Mean, in.	0.0101	0.0089	0.0087
Mean, mm	0.256	0.226	0.221
Sorting	1.784	1.322	1.417
Skewness	1.033	-0.069	-0.003
Kurtosis	0.191	0.887	1.224
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	23.15
Fine Sand	200	64.66
Silt	>0.005 mm	10.79
Clay	<0.005 mm	1.40
	Total	**100**

DATE 06/04/10 PTS FILE# 40388 CHAIN OF CUSTODY RECORD PAGE 1 OF 1

COMPANY: Wayne Perry Inc.
ADDRESS: 4281 Commonwealth
PROJECT MANAGER: Jessica Koste
PROJECT NAME: ~~Former~~ Shell
PHONE NUMBER: 714 826-0352
PROJECT NUMBER: 09.666
FAX NUMBER: 714 523-7460
SITE LOCATION: 16502 Beach, Huntington Beach
SAMPLER SIGNATURE:

ANALYSIS REQUEST

SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT	PHYSICAL PROPERTIES PACKAGE, API RP40	MOISTURE CONTENT, ASTM D2216	POROSITY, API RP40	GRAIN DENSITY, API RP40	BULK DENSITY, API RP40	AIR PERMEABILITY, API RP40	SPECIFIC RETENTION/YIELD ASTM D425	CAPILLARY PRESSURE, ASTM D425M	SOIL pH, EPA 9045	GRAIN SIZE: DRY; 400 MESH	GRAIN SIZE: SIEVE & LASER	GRAIN SIZE: LASER; 1 MICRON	HYDRAULIC CONDUCTIVITY, EPA 9100, API RP40	TOC: WALKLEY-BLACK	HYDRAULIC CONDUCTIVITY PACKAGE	ATTERBERG LIMITS, ASTM D4318	TNRCC PROPERTIES PACKAGE	Vapor Transport Package				NUMBER OF SAMPLES	COMMENTS
CPT1d25	5-19-10	8:30	25'	X																						
CPT4d25	5-20-10	10:30	25'	X																						
CPT1d50	5-19-10	9:05	50'															X								
CPT4d53	5-20-10	11:15	53'															X								
CPT1d10	5-19-10	8:15	10'																		X					
CPT4d10	5-20-10	10:15	10'																		X					

PO#:
SPECIAL HANDLING: 24 HOURS / 5 DAYS / 72 HOURS / NORMAL ✓ / OTHER
SAMPLE CONDITIONS: RECEIVED ON ICE YES/NO; SEALED YES/NO; OTHER YES/NO Room temp

1. RELINQUISHED BY	2. RECEIVED BY	3. RELINQUISHED BY	4. RECEIVED BY
COMPANY	COMPANY PTS LABS	COMPANY	COMPANY
DATE 6-4-10 TIME 1:30	DATE 06/04/10 TIME 1:30	DATE TIME	DATE TIME

PTS GeoLabs, Inc. • 8100 Secura Way • Santa Fe Springs, CA 90670 • Phone (562) 907-3607 • Fax (562) 907-3610
PTS GeoLabs, Inc. • 4342 W. 12th St. • Houston, TX 77055 • Phone (713) 680-2291 • Fax (713) 680-0763

PTS Laboratories

Project Name: Shell
Project Number: 09.666

PTS File No: 40388
Client: Wayne Perry

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	Soil Properties Pkg.	Hydraulic Conductivity Pkg.	Vapor Transport Package			Notes
		Plugs:	Vert. 1"	Vert. 1"	Various			
Date Received: 6/4/10								
CPT1d25	25	0.5	X					
CPT4d25	25	0.5	X					
CPT1d50	50	0.5		X				
CPT4d53	53	0.5		X				
CPT1d10	10	0.5			X			
CPT4d10	10	0.5			X			
TOTALS:	6 cores	3.0	2	2	2			

Laboratory Test Program Notes

Vapor Transport Package (Johnson-Ettinger): Input parameters for Johnson-Ettinger Model; Includes air permeability (native + specific), porosity (total, effective, air-filled, water-filled), volumetric air & water, moisture content, intrinsic permeability/hydraulic conductivity, grain density, dry bulk density, TOC (foc), soil classification USCS/USDA (sieve + Atterberg Limits).

APPENDIX H

GREGG DRILLING CPT REPORT

GREGG DRILLING & TESTING, INC.
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

May 20, 2010

Wayne Perry
Attn: Jessica Korte
8281 Commonwealth
Buena Park, California 90621

Subject: CPT Site Investigation
Shell Service Station, 18502 Beach Blvd.
Huntington Beach, California
GREGG Project Number: 10-261SH

Dear Ms. Korte:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVOST Laser Induced Fluorescence	(UVOST)	☐
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☒
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (562) 427-6899.

Sincerely,

Peter Robertson
Technical Operations, Gregg Drilling & Testing, Inc.

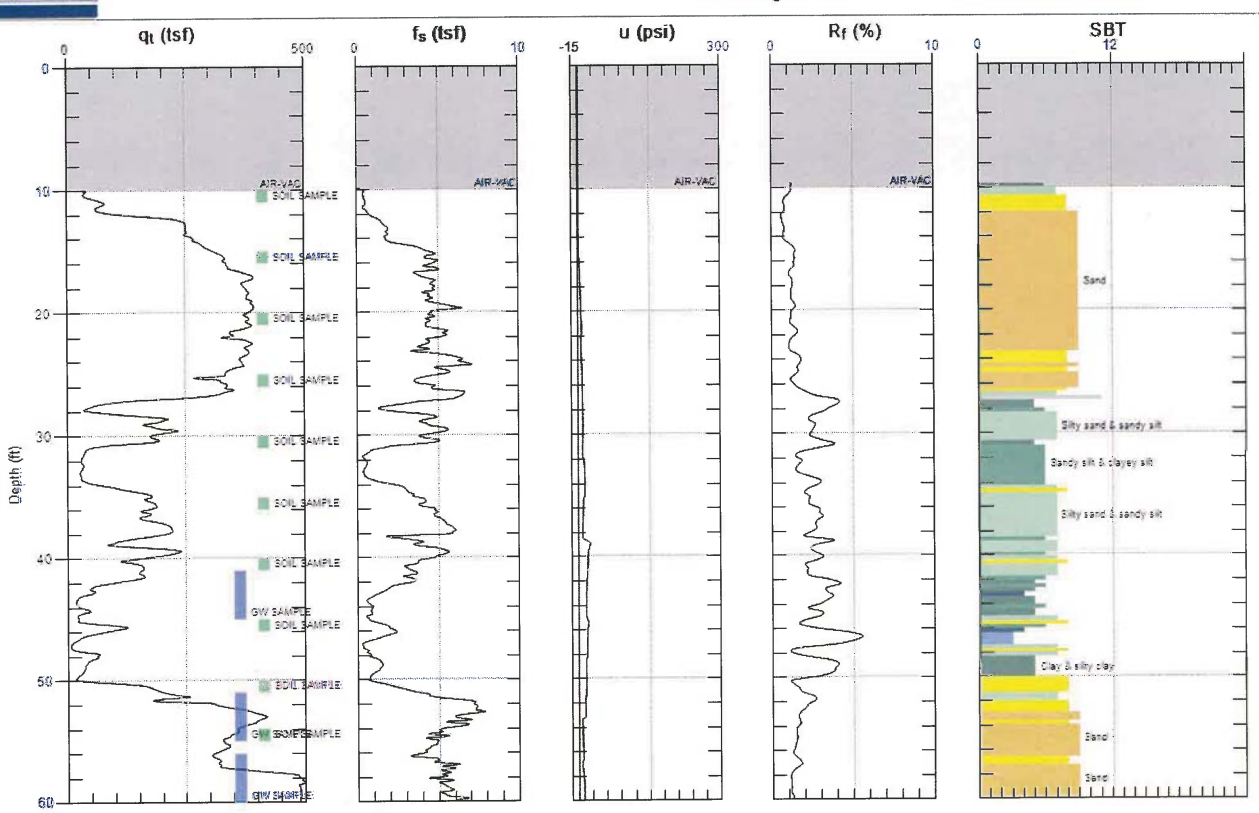
2726 Walnut Ave • Signal Hill, California 90755 • (562) 427-6899 • FAX (562) 427-3314
OTHER OFFICES: SAN FRANCISCO • HOUSTON
www.greggdrilling.com

GREGG

WAYNE PERRY

Site: 18502 BEACH BLVD.
Sounding: CPT-01

Engineer: M.ESCOBEDO
Date: 2010-05-19 07:00



Max. Depth: 60.367 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

GREGG DRILLING & TESTING, INC.
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

Cone Penetration Test Sounding Summary

-Table 1-

CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-01	5/19/10	60	45, 55, 60	10, 15, 20, 25, 30, 35, 40, 45, 50, 54	53.1
CPT-02	5/19/10	60	45, 55, 60	10, 15, 20, 25, 30, 35, 40, 45, 50, 54	55.3
CPT-03	5/20/10	60	45, 55, 60	10, 15, 20, 25, 30, 35, 40, 45, 50, 53	-
CPT-04	5/20/10	60	45, 55, 60	10, 15, 20, 25, 30, 35, 40, 45, 50	-

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OTHER OFFICES: SAN FRANCISCO • HOUSTON
www.greggdrilling.com

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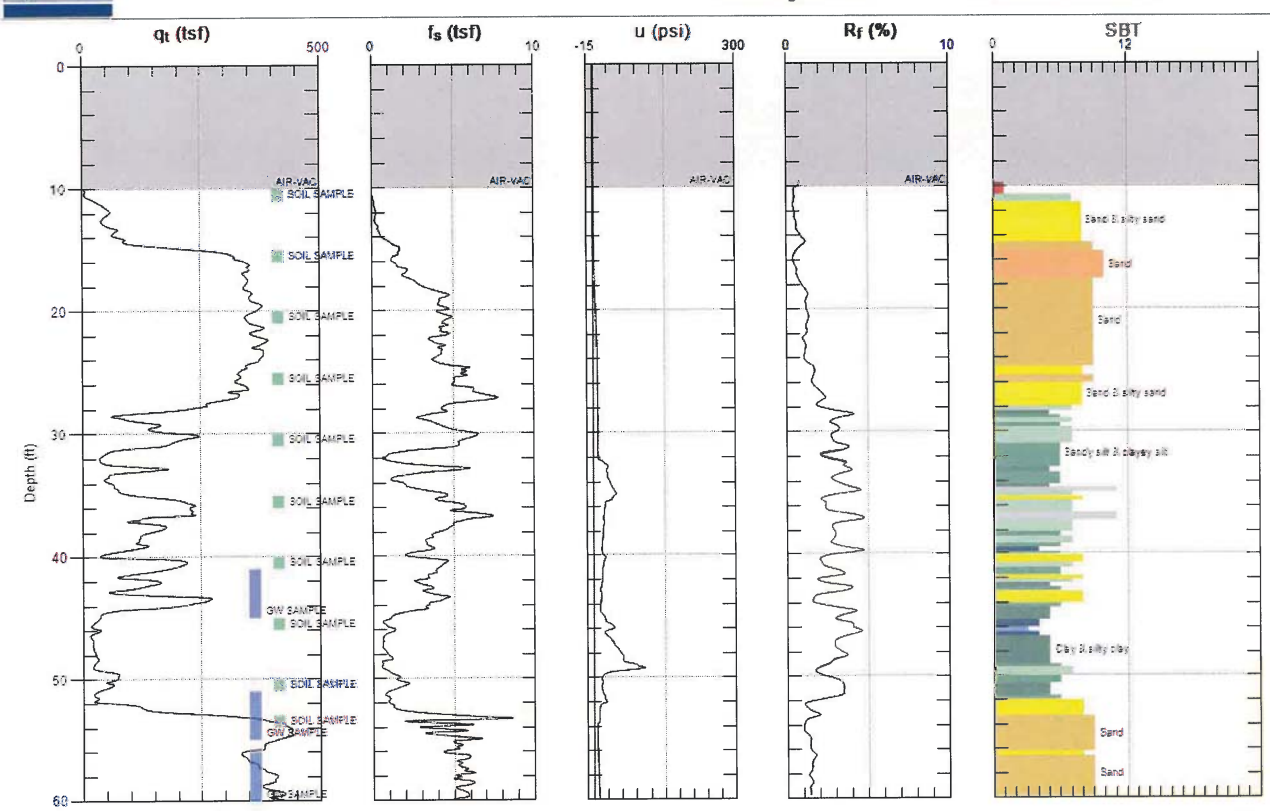
WAYNE PERRY

Site: 18502 BEACH BLVD.
Sounding: CPT-03

Engineer: M.ESCOBEDO
Date: 2010-05-20 06:57



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

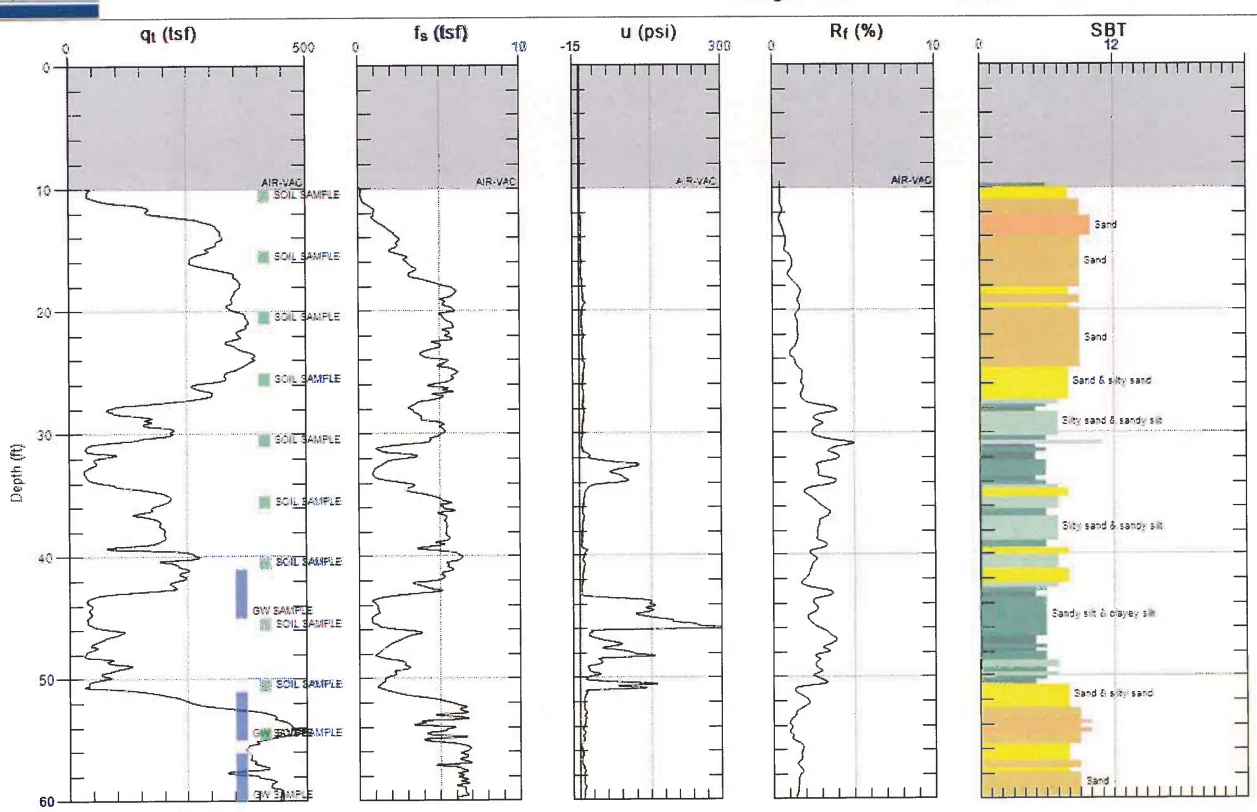
SBT: Soil Behavior Type (Robertson 1990)

GREGG

WAYNE PERRY

Site: 18502 BEACH BLVD.
Sounding: CPT-02

Engineer: M.ESCOBEDO
Date: 2010-05-19 11:16



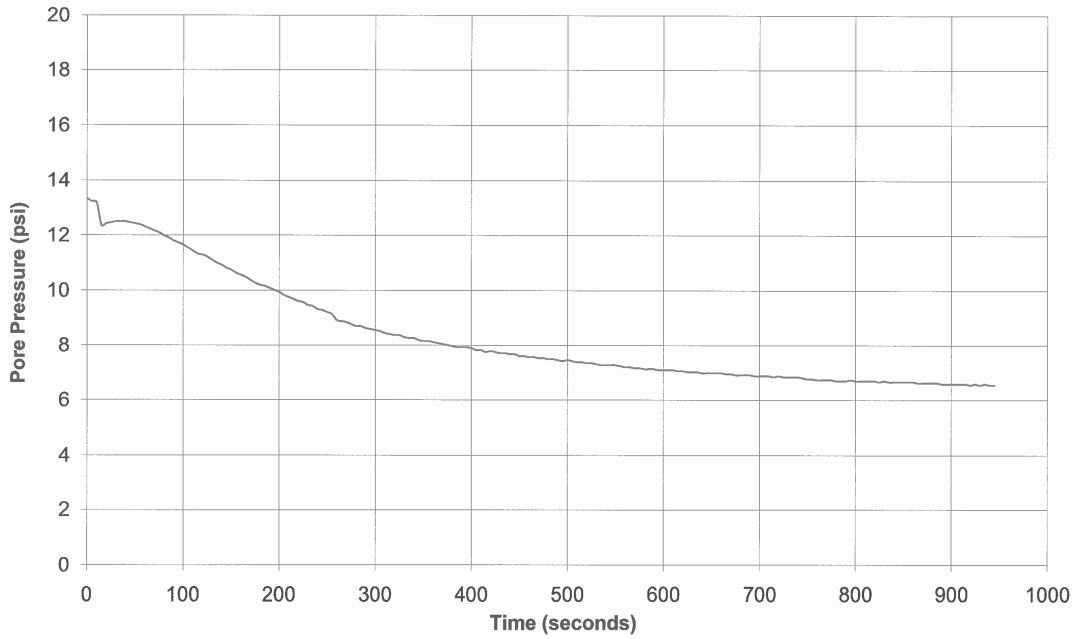
Max. Depth: 60.203 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

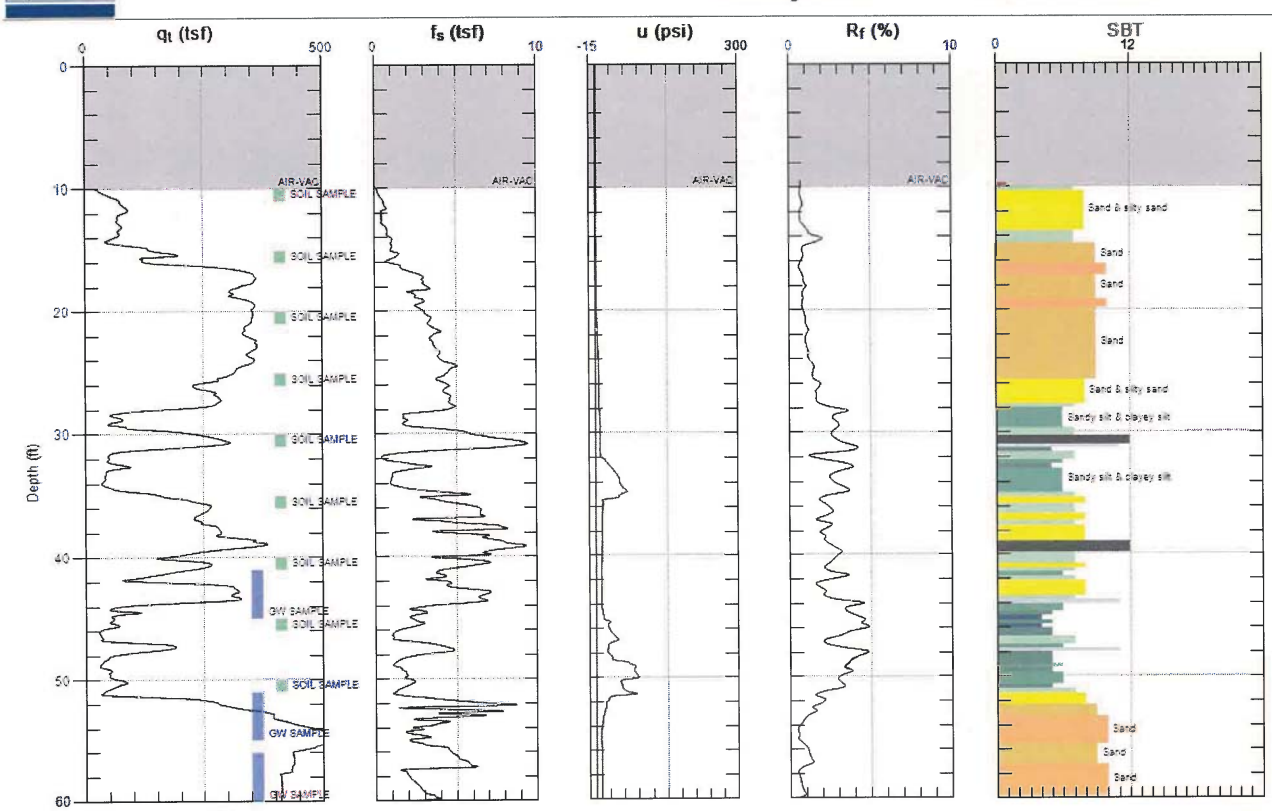
Sounding: CPT-01
Depth: 53.149
Site: 18502 BEACH BLVD.
Engineer: M.ESCOBEDO



WAYNE PERRY

Site: 18502 BEACH BLVD.
Sounding: CPT-04

Engineer: M.ESCOBEDO
Date: 2010-05-20 09:31



Max. Depth: 60.203 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

Cone Penetration Testing Procedure (CPT)

Gregg Drilling carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 10 cm^2 and a friction sleeve area of 150 cm^2. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.80.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

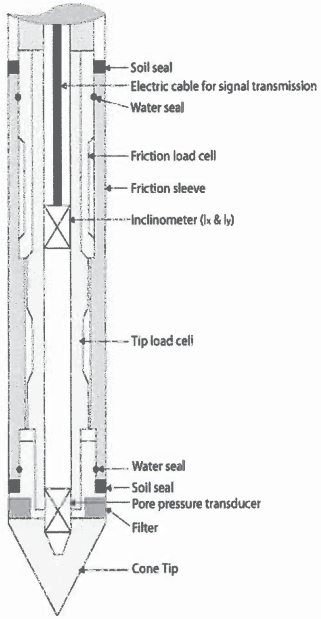


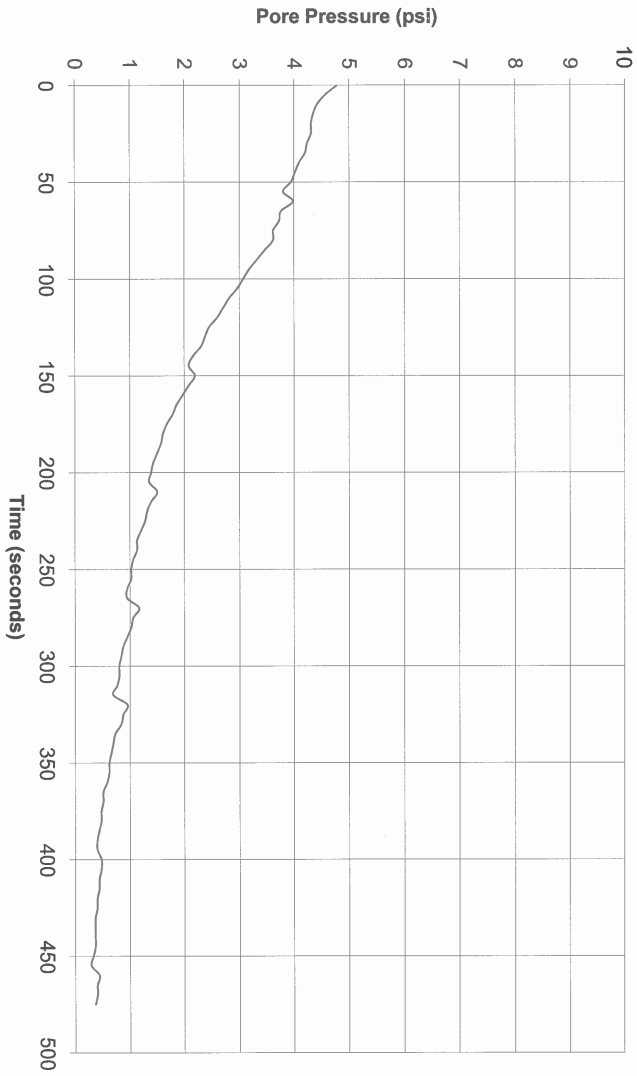
Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT-02
Depth: 55.282
Site: 18502 BEACH BLVD.
Engineer: M.ESCOBEDO



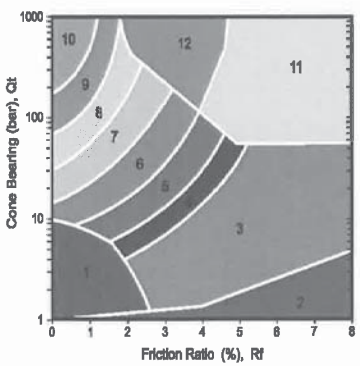
Cone Penetration Test Data & Interpretation

The Cone Penetration Test (CPT) data collected from your site are presented in graphical form in the attached report. The plots include interpreted Soil Behavior Type (SBT) based on the charts described by Robertson (1990). Typical plots display SBT based on the non-normalized charts of Robertson et al (1986). For CPT soundings extending greater than 50 feet, we recommend the use of the normalized charts of Robertson (1990) which can be displayed as SBTn, upon request. The report also includes spreadsheet output of computer calculations of basic interpretation in terms of SBT and SBTn and various geotechnical parameters using current published correlations based on the comprehensive review by Lunne, Robertson and Powell (1997), as well as recent updates by Professor Robertson. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg Drilling & Testing Inc. do not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and do not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

Some interpretation methods require input of the groundwater level to calculate vertical effective stress. An estimate of the in-situ groundwater level has been made based on field observations and/or CPT results, but should be verified by the user.

A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Note that it is not always possible to clearly identify a soil type based solely on q_t, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the correct soil behavior type.



(After Robertson, et al., 1986)

ZONE	SBT
1	Sensitive, fine grained
2	Organic materials
3	Clay
4	Silty clay to clay
5	Clayey silt to silty clay
6	Sandy silt to clayey silt
7	Silty sand to sandy silt
8	Sand to silty sand
9	Sand
10	Gravely sand to sand
11	Very stiff fine grained*
12	Sand to clayey sand*

*over consolidated or cemented

Figure SBT

Cone Penetration Test Data & Interpretation

The Cone Penetration Test (CPT) data collected from your site are presented in graphical form in the attached report. The plots include interpreted Soil Behavior Type (SBT) based on the charts described by Robertson (1990). Typical plots display SBT based on the non-normalized charts of Robertson et al (1986). For CPT soundings extending greater than 50 feet, we recommend the use of the normalized charts of Robertson (1990) which can be displayed as SBTn, upon request. The report also includes spreadsheet output of computer calculations of basic interpretation in terms of SBT and SBTn and various geotechnical parameters using current published correlations based on the comprehensive review by Lunne, Robertson and Powell (1997), as well as recent updates by Professor Robertson. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg Drilling & Testing Inc. do not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and do not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

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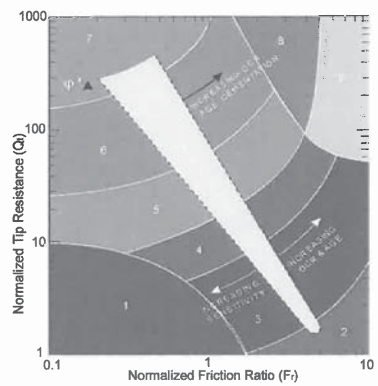


(After Robertson, 1990)

Zone	Normailzed Soil Behavior Type
1	sensitive fine grained
2	organic material
3	clay to silty clay
4	clayey silt to silty clay
5	silty sand to sandy silt
6	clean sands to silty sands
7	gravelly sand to sand
8	very stiff sand to clayey sand
9	very stiff fine grained

Figure SBTn

Pore Pressure Dissipation Tests (PPDT)

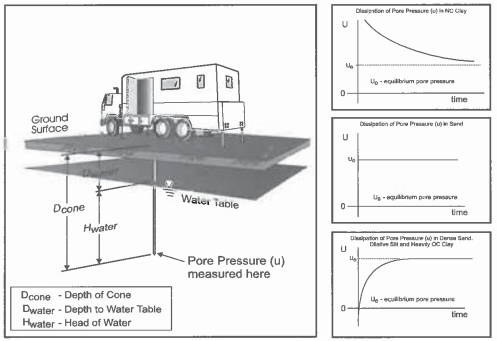
Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.
Pore pressure dissipation data can be interpreted to provide estimates of:

- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permeability (k_h)

In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time, *Figure PPDT*. This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

A summary of the pore pressure dissipation tests is summarized in Table 1.



Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors: 1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

Figure PPDT

Cone Penetration Test (CPT) Interpretation

Gregg has recently updated their CPT interpretation and plotting software (2007). The software takes the CPT data and performs basic interpretation in terms of soil behavior type (SBT) and various geotechnical parameters using current published empirical correlations based on the comprehensive review by Lunne, Robertson and Powell (1997). The interpretation is presented in tabular format using MS Excel. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

The following provides a summary of the methods used for the interpretation. Many of the empirical correlations to estimate geotechnical parameters have constants that have a range of values depending on soil type, geologic origin and other factors. The software uses 'default' values that have been selected to provide, in general, conservatively low estimates of the various geotechnical parameters.

Input:

1 Units for display (Imperial or metric) (atm. pressure, pa = 0.96 tsf or 0.1 MPa)
2 Depth interval to average results,(ft or m). Data are collected at either 0.02 or 0.05m and can be averaged every 1, 3 or 5 intervals.
3 Elevation of ground surface (ft or m)
4 Depth to water table, z_w (ft or m) – input required
5 Net area ratio for cone, a (default to 0.80)
6 Relative Density constant, C_{Dr} (default to 350)
7 Young's modulus number for sands, α (default to 5)
8 Small strain shear modulus number
  a. for sands, S_G (default to 180 for SBT_n 5, 6, 7)
  b. for clays, C_G (default to 50 for SBT_n 1, 2, 3 & 4)
9 Undrained shear strength cone factor for clays, N_{kt} (default to 15)
10 Over Consolidation ratio number, k_{ocr} (default to 0.3)
11 Unit weight of water, (default to γ_w = 62.4 lb/ft^3 or 9.81 kN/m^3)

Column

1 Depth, z, (m) – CPT data is collected in meters
2 Depth (ft)
3 Cone resistance, q_c (tsf or MPa)
4 Sleeve friction, f_s (tsf or MPa)
5 Penetration pore pressure, u (psi or MPa), measured behind the cone (i.e. u_2)
6 Other – any additional data, if collected, e.g. electrical resistivity or UVIF
7 Total cone resistance, q_t (tsf or MPa) $q_t = q_c + u(1-a)$

8	Friction Ratio, R_f (%)	$R_f = (f_s/q_t) \times 100\%$
9	Soil Behavior Type (non-normalized), SBT	see note
10	Unit weight, γ (pcf or kN/m^3)	based on SBT, see note
11	Total overburden stress, σ_v (tsf)	$\sigma_{vo} = \gamma z$
12	Insitu pore pressure, u_o (tsf)	$u_o = \gamma_w (z - z_w)$
13	Effective overburden stress, σ'_{vo} (tsf)	$\sigma'_{vo} = \sigma_{vo} - u_o$
14	Normalized cone resistance, Q_{t1}	$Q_{t1} = (q_t - \sigma_{vo}) / \sigma'_{vo}$
15	Normalized friction ratio, F_r (%)	$F_r = f_s / (q_t - \sigma_{vo}) \times 100\%$
16	Normalized Pore Pressure ratio, B_q	$B_q = u - u_o / (q_t - \sigma_{vo})$
17	Soil Behavior Type (normalized), SBT_n	see note
18	SBT_n Index, I_c	see note
19	Normalized Cone resistance, Q_{tn} (n varies with Ic)	see note
20	Estimated permeability, k_{SBT} (cm/sec or ft/sec)	see note
21	Equivalent SPT N_{60}, blows/ft	see note
22	Equivalent SPT $(N_1)_{60}$ blows/ft	see note
23	Estimated Relative Density, D_r, (%)	see note
24	Estimated Friction Angle, ϕ', (degrees)	see note
25	Estimated Young's modulus, E_s (tsf)	see note
26	Estimated small strain Shear modulus, Go (tsf)	see note
27	Estimated Undrained shear strength, s_u (tsf)	see note
28	Estimated Undrained strength ratio	s_u/σ_v'
29	Estimated Over Consolidation ratio, OCR	see note

Notes:

1 Soil Behavior Type (non-normalized), SBT — Lunne et al. (1997) listed below

2 Unit weight, γ either constant at 119 pcf or based on Non-normalized SBT (Lunne et al., 1997 and table below)

3 Soil Behavior Type (Normalized), SBT_n — Lunne et al. (1997)

4 SBT_n Index, I_c — $I_c = ((3.47 - \log Q_{t1})^2 + (\log F_r + 1.22)^2)^{0.5}$

5 Normalized Cone resistance, Q_{tn} (n varies with Ic)

$Q_{tn} = ((q_t - \sigma_{vo})/pa)\ (pa/(\sigma'_{vo})^n$ and recalculate I_c, then iterate:

When $I_c < 1.64$, n = 0.5 (clean sand)
When $I_c > 3.30$, n = 1.0 (clays)
When $1.64 < I_c < 3.30$, $n = (I_c - 1.64)0.3 + 0.5$
Iterate until the change in n, $\Delta n < 0.01$

6 Estimated permeability, k_{SBT} (based on Normalized SBT_n) (Lunne et al., 1997 and table below)

7 Equivalent SPT N_{60}, blows/ft — Lunne et al. (1997)

$$\frac{(q_t/p_a)}{N_{60}} = 8.5\left(1 - \frac{I_c}{4.6}\right)$$

8 Equivalent SPT $(N_1)_{60}$ blows/ft — $(N_1)_{60} = N_{60} C_N$,
where $C_N = (pa/\sigma'_{vo})^{0.5}$

9 Relative Density, D_r, (%) — $D_r^2 = Q_{tn} / C_{Dr}$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

10 Friction Angle, ϕ', (degrees) — $\tan \phi' = \frac{1}{2.68}\left[\log\left(\frac{q_c}{\sigma'_{vo}}\right) + 0.29\right]$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

11 Young's modulus, E_s — $E_s = \alpha\ q_t$
Only SBT_n 5, 6, 7 & 8 — *Show 'N/A' in zones 1, 2, 3, 4 & 9*

12 Small strain shear modulus, Go
a. $G_o = S_G (q_t\ \sigma'_{vo}\ pa)^{1/3}$ — *For SBT_n 5, 6, 7*
b. $G_o = C_G\ q_t$ — *For SBT_n 1, 2, 3& 4*
Show 'N/A' in zones 8 & 9

13 Undrained shear strength, s_u — $s_u = (q_t - \sigma_{vo}) / N_{kt}$
Only SBT_n 1, 2, 3, 4 & 9 — *Show 'N/A' in zones 5, 6, 7 & 8*

14 Over Consolidation ratio, OCR — $OCR = k_{ocr} Q_{t1}$
Only SBT_n 1, 2, 3, 4 & 9 — *Show 'N/A' in zones 5, 6, 7 & 8*

The following updated and simplified SBT descriptions have been used in the software:

SBT Zones		**SBT_n Zones**	
1	sensitive fine grained	1	sensitive fine grained
2	organic soil	2	organic soil
3	clay	3	clay
4	clay & silty clay	4	clay & silty clay
5	clay & silty clay		
6	sandy silt & clayey silt		
7	silty sand & sandy silt	5	silty sand & sandy silt
8	sand & silty sand	6	sand & silty sand
9	sand		
10	sand	7	sand

11	very dense/stiff soil*	8	very dense/stiff soil*
12	very dense/stiff soil*	9	very dense/stiff soil*

*heavily overconsolidated and/or cemented

Track when soils fall with zones of same description and print that description (i.e. if soils fall only within SBT zones 4 & 5, print 'clays & silty clays')

Estimated Permeability (see Lunne et al., 1997)

SBT_n	Permeability (ft/sec)	(m/sec)
1	$3x\ 10^{-8}$	$1x\ 10^{-8}$
2	$3x\ 10^{-7}$	$1x\ 10^{-7}$
3	$1x\ 10^{-9}$	$3x\ 10^{-10}$
4	$3x\ 10^{-8}$	$1x\ 10^{-8}$
5	$3x\ 10^{-6}$	$1x\ 10^{-6}$
6	$3x\ 10^{-4}$	$1x\ 10^{-4}$
7	$3x\ 10^{-2}$	$1x\ 10^{-2}$
8	$3x\ 10^{-6}$	$1x\ 10^{-6}$
9	$1x\ 10^{-8}$	$3x\ 10^{-9}$

Estimated Unit Weight (see Lunne et al., 1997)

SBT	Approximate Unit Weight (lb/ft^3)	(kN/m^3)
1	111.4	17.5
2	79.6	12.5
3	111.4	17.5
4	114.6	18.0
5	114.6	18.0
6	114.6	18.0
7	117.8	18.5
8	120.9	19.0
9	124.1	19.5
10	127.3	20.0
11	130.5	20.5
12	120.9	19.0

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