WELL INSTALLATION AND GROUNDWATER SAMPLING REPORT BILL CHUN SERVICE STATION 2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA

PREPARED FOR:
Lila A. Chun 1992 Trust
Ms. Carolyn C. Fong/Trustee
720 East Hermosa Drive
San Gabriel, California 94501

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612

June 30, 2012
Project No. 401896003

Fuel Leak Case # RO0000382
Geotracker Global ID # T0600100980

June 30, 2012
Project No. 401896003

Ms. Carolyn C. Fong
Trustee, Lily A. Chun 1992 Trust
720 East Hermosa Drive
San Gabriel, California 94501

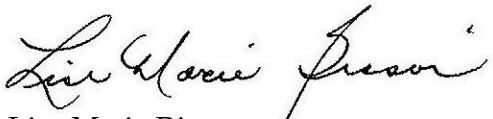
Subject: Well Installation and Groundwater Sampling Report
Bill Chun Service
2301 Santa Clara Avenue
Alameda, California
Fuel Leak Case # RO0000382
Geotracker Global ID # T0600100980

Dear Ms. Fong:

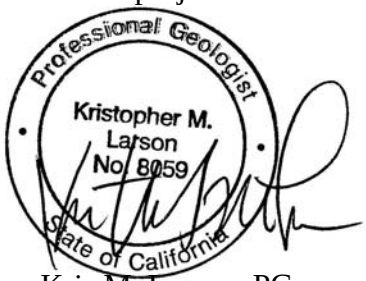
Ninyo & Moore is pleased to present this Well Installation and Groundwater Sampling Report for the above-referenced site. This Report documents the implementation of a Well Installation and Groundwater Sampling Work Plan, prepared by Ninyo & Moore and approved by the Alameda County Environmental Health.

We appreciate the opportunity to be of service to you on this project.

Sincerely,
NINYO & MOORE



Lise Marie Bisson
Senior Geologist



Kris M. Larson, PG
Principal Geologist

LMB/KML/cab

Distribution: (1) Addressee (via e-mail)

June 30, 2012

To: Mr. Jerry Wickham
Senior Hazardous Materials Specialist
Alameda County Department of Environmental Health
Health Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Perjury Statement
Well Installation and Groundwater Sampling Report
Bill Chun Service Station
2301 Santa Clara Avenue
Alameda, California 94501
SLIC # RO0000382
Geotracker Global ID # T0600100980

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

Ms. Carolyn A. Fong, Trustee

Ms. Carolyn Fong
Trustee for Lily A. Chun 1991 Trust
711 E. Hermosa Drive
San Gabriel, CA 91755

TABLE OF CONTENTS

Page

1. INTRODUCTION 1
1.1. Purpose 1
1.2. Site Description 1
1.3. Site Background 1
2. WELL ABANDONMENT AND INSTALLATION 2
2.1. Pre-field Activities 2
2.1.1. Health and Safety Plan (HASP) 2
2.1.2. Permits 3
2.1.3. Underground Utility Clearance 3
2.2. Well Abandonment 3
2.3. Monitoring Well Replacement 4
2.4. Well Repair 4
2.5. Well Development 4
2.6. Decontamination 5
2.7. Professional Survey of Monitoring Wells 5
2.8. Drill Cuttings and Development Water Disposal 5
3. HISTORICAL CONSTITUENT OF CONCERN CONCENTRATIONS IN GROUNDWATER 6
4. GROUNDWATER SAMPLING EVENT 6
4.1. Depth to Groundwater Measurements and Groundwater Flow Direction 6
4.2. Groundwater Sampling 7
4.3. Decontamination Procedures 7
4.4. Groundwater Sample Analysis 7
5. GROUNDWATER SAMPLING RESULTS 8
5.1. Liquid Phase Hydrocarbons, Depth to Groundwater and Groundwater Flow Direction 8
5.2. Groundwater Sample Laboratory Results 8
5.2.1. TPH as gasoline in groundwater 8
5.2.2. Benzene in Groundwater 9
5.2.3. Methyl tert-butyl ether (MTBE) in Groundwater 9
5.2.4. Other VOCs in Groundwater 9
6. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) 10
6.1. Field QA/QCl 10
6.2. Laboratory QA/QC 10
6.3. QA/QC Conclusions 11
7. GROUNDWATER SAMPLING CONCLUSIONS 11
8. RECOMMENDATIONS 12

9. LIMITATIONS.....12

10. REFERENCES 14

Tables

Table 1 – Monitoring Well Inventory – May 10, 2012
Table 2 – Depth to Groundwater Measurements and Elevations – May 10, 2012
Table 3 – Summary of Groundwater Sample Analytical Results – TPH as gasoline and Volatile Organic Compounds – May 12, 2012

Figures

Figure 1 – Site Location
Figure 2 – Site Vicinity
Figure 3 – Site Plan
Figure 4 – Shallow Groundwater Contour Map
Figure 5 – Total Petroleum Hydrocarbons as Gasoline Concentrations in Shallow Groundwater
Figure 6 – Benzene Concentrations in Shallow Groundwater

Appendices

Appendix A – Work Plan and Directive Letter
Appendix B – ACPWA Well Permit
Appendix C – Well Completion Reports
Appendix D – Well Survey Report
Appendix E – Disposal Manifests
Appendix F – Historical Constituent of Concern Concentrations
Appendix H – Laboratory Analytical Report

1. INTRODUCTION

Ninyo & Moore has conducted Well Installation activities and implemented a Groundwater Sampling Work Plan at the Bill Chun Service property located at 2301 Santa Clara Avenue, in Alameda, County of Alameda, California (site). The attached Report was prepared in general accordance with the proposed methodology presented in the Alameda County Environmental Health (ACEH) approved Work Plan dated February 23, 2012, and Ninyo & Moore's Proposal No. P-81990, dated April 26, 2012.

1.1. Purpose

The purpose of the Well Installation and Groundwater Sampling Plan is to provide accurate and current data regarding groundwater conditions at the site, including groundwater flow direction and constituent-of-concern (COC) concentrations.

1.2. Site Description

The site is located at 2301 Santa Clara Avenue, in Alameda, County of Alameda, California, as presented on **Figure 1.** The project site is located in a mostly commercial area with some residential buildings. The Site Vicinity is presented on **Figure 2**. The rectangular lot measures approximately 65 feet long by 40 feet wide. The site is bordered by Oak Street to the northwest, a meeting hall and residences to the northeast and east, a clothing store to the southeast (formerly Towana Flowers) and by Santa Clara Avenue to the southwest.

1.3. Site Background

The site is a former gasoline service station, and has been the subject of numerous subsurface assessments, remedial action plans, groundwater monitoring and closure petitions since 1993, when three underground storage tanks (USTs) were removed from the site. The site is listed as a Leaking Underground Storage Tank (LUST) facility on the Regional Water Quality Control Board Geotracker database and as a Leaking Underground Fuel Tank (LUFT) and Spills, Leaks, Investigation and Cleanup (SLIC) facility on the ACEH database.

Based on the Case File Review and the most recent Monitoring Report dated August 8, 2011, the ACEH stated the following in a letter dated September 8, 2011:

- Previous site investigation activities have shown that a significant mass of petroleum hydrocarbons remains at the site and has migrated to the east beneath an adjacent commercial and residential building;
- Soil vapor sampling at the adjacent property has detected volatile organic compounds (VOCs) at highly elevated concentrations that exceed applicable screening levels for potential vapor intrusion to indoor air;
- Indoor air sampling in the adjacent building has detected VOCs at concentrations that exceed indoor air screening levels; and
- The site requires both additional investigation and remediation.

Ninyo & Moore conducted a site and well inspection, and subsequently prepared a Well Inspection Report and Groundwater Sampling Plan, dated February 23, 2012. In a letter dated March 20, 2012, the ACEH requested that well installation and groundwater sampling be implemented and that a Well Installation and Groundwater Sampling Report be prepared and submitted. Copies of these two documents are included in **Appendix A**.

2. WELL ABANDONMENT AND INSTALLATION

The field work conducted by Ninyo & Moore included monitoring well abandonment and installation, well development, and a well location and top-of-casing (TOC) survey.

2.1. Pre-field Activities

Prior to conducting invasive field activities, the pre-field activities described below were conducted.

2.1.1. Health and Safety Plan (HASP)

Ninyo & Moore prepared a Site Specific HASP, as required in 29 CFR Part 1910.120. The HASP addressed health and safety concerns with respect to the activities conducted

by Ninyo & Moore and its subcontractors. A copy of the HASP is available upon request.

2.1.2. Permits

A Water Resources Well Permit was obtained from the Alameda County Public Works Agency for the abandonment and replacement of monitoring wells. A copy of the permit is included in **Appendix B**. Ninyo & Moore contacted the ACPWA prior to abandonment and drilling activities. On May 1, 2012, Ms. Vicky Hamlin, ACPWA Well Inspector, mobilized to the site and observed monitoring well abandonment procedures.

2.1.3. Underground Utility Clearance

Ninyo & Moore contacted Underground Services Alert (USA) to mark the locations of subsurface utilities entering the site. In order to minimize the chance of damaging a subsurface utility, and to identify subsurface utility lines potentially missed by USA, Ninyo & Moore procured the services of Precision Locating, LLC (Precision) of Brentwood, California. On May 1, 2012, Precision performed a utility location to verify utility markings made by USA, clear the proposed location of each replacement well, and attempt to locate a sewer line mentioned in a previous report as a potential offsite conduit.

The sewer line for the site was located in the sidewalk along Oak Street, and there appears to be no connection to the clothing store (former Towana Flowers) to the southeast, as mentioned in a previous report prepared by others.

2.2. Well Abandonment

Well abandonment and replacement was conducted at the site from May 1 to May 3, 2012. A total of five wells, SV-1, MW-1, MW-3, EW-12 and EW-13, were abandoned for the various reasons explained in the Work Plan, and not replaced. The wells were abandoned by removing the well vault and steel cover using a jackhammer, cutting the TOC down to ap-

proximately one foot below ground surface (bgs) and tremie-grouting with neat cement from total depth to approximately one foot bgs.

2.3. Monitoring Well Replacement

Monitoring wells MW-2, MW-4, MW-5, MW-6, MW-7 and MW-11 were replaced. At each well, the surface well vault was removed and the 2 or 4-inch PVC riser and screen were overdrilled with an 8-inch hollow-stem auger, and subsequently removed from the borehole. Each well was replaced within the same borehole (except for MW-4) and re-identified as MW-2R, MW-5R, MW-6R, MW-7R and MW-11R. The original borehole of MW-4 was positioned immediately adjacent to a fiber optics line. With the permission of the ACPWA Well Inspector, replacement well MW-4R was located approximately one foot southeast of the original well MW-4, and re-identified as MW-4R.

Well Completions Reports are included in **Appendix C** and an updated inventory of the site monitoring wells is presented on **Table 1.**

2.4. Well Repair

One on-site well, EW-14, had a TOC which was not cut low enough to allow the manhole lid to fit property over the well cap. On May 3, 2012, the TOC on this well was cut down several inches so the manhole lid could fit securely.

2.5. Well Development

On May 7 and May 8, 2012, following the well replacement and repairs, the new wells and several existing wells were developed by pumping and surging. At least 10 volumes of water were removed from each of the following wells:

- newly replaced wells MW-2R, MW-4R, MW-5R, MW-6R, MW 7R and MW-11R, and
- existing wells MW-8 to MW-10, and EW-14 through EW-17.

2.6. Decontamination

Drilling and well development equipment used was decontaminated using a steam cleaner or three-bucket wash consisting of a rinse and scrub in tap water, rinse and scrub in an appropriate non-phosphate based detergent solution, and final rinse in distilled water.

2.7. Professional Survey of Monitoring Wells

Following the well replacement and repair, the location and TOC coordinates of each well were surveyed by Virgil Chavez Land Surveying, a California Registered Surveyor. A copy of the Survey Report is attached as **Appendix D**. The TOC elevations for each well are included in **Table 2,** and the locations of the replacement and existing monitoring wells, on and offsite, are presented on **Figure 3.**

During the well survey, the wells located offsite and identified as BL, BG, BF, BH and BM were renamed MW-12 through MW-16, respectively, for ease of identification. For continuity purposes, these wells will be identified by both labels in this document. The monitoring wells identified as BJ and BK in previous environmental documents were not found by Ninyo & Moore personnel. These wells are located in storage areas on private property.

2.8. Drill Cuttings and Development Water Disposal

Drill cuttings from the newly-installed monitoring wells were placed in eleven 55-gallon drums for temporary on-site storage, pending material characterization. Upon landfill approval, the drums were removed by Belshire Environmental Services, Inc., for transportation to and offsite disposal as non-hazardous material at the Soil Safe landfill facility, located in Adelanto, California. A copy of the Disposal Manifest is included in **Appendix E**.

Following the development of the new replaced wells and existing site wells, approximately 700 gallons of non-hazardous petroleum-impacted groundwater were removed from the site by Dillard Environmental Services and transported to Instrat, Inc., in Rio Vista, California, for proper, offsite disposal. A copy of the Disposal Manifest is included in **Appendix E**.

3. HISTORICAL CONSTITUENT OF CONCERN CONCENTRATIONS IN GROUNDWATER

In their directive letter dated September 8, 2011, the ACEH requested that historical COC concentrations in each well be presented in a clear and concise manner. Ninyo & Moore obtained historical data from reports found on the online Geotracker database and the data is presented in **Appendix F**. Historical COC concentrations in each well are presented separately.

Historically, concentrations of petroleum constituents in former onsite wells MW-1, MW-2, MW-4, MW-5, MW-6 and EW-13, and existing wells EW-15 and EW-16, had decreased considerably since from September 2000 to April 2011. However, COC concentrations in these wells have generally shown an increase from February or August 2010 to April 2011. Former onsite wells MW-7 (replaced) and EW-12 (abandoned) were last sampled in 2004, and most likely contained liquid-phase hydrocarbons (LPH). Concentrations of COCs in offsite wells MW-8, MW-9 and MW-10 have historically been reported at concentrations below the laboratory reporting limits. In offsite well MW-11 (replaced), COC concentrations have shown an overall decreasing trend with an increase in 2010. COC concentrations in offsite wells MW-12 (formerly BL) and MW-13 (formerly BG) have been reported below the laboratory reporting limits since 2006, and in offsite well MW-14 (formerly BF) since 2009. In offsite well MW-15 (formerly BH), COC concentrations have been reported near or below laboratory reporting limits since 2007.

4. GROUNDWATER SAMPLING EVENT

Following the monitoring well abandonment, replacement, development and the professional survey, Ninyo & Moore conducted a groundwater sampling event on May 10, 2012.

4.1. Depth to Groundwater Measurements and Groundwater Flow Direction

Prior to well purging for sample collection, the depth to groundwater from TOC was measured in each of the 18 on and offsite wells, using a water-level indicator to an accuracy of 0.01 feet. In the wells that had historically contained LPH, a LPH detector was initially lowered into the well to determine if any LPH was present. The water-level indicator and the

LPH detector were decontaminated between wells using a triple rinse wash with a non-phosphate detergent and acetone, respectively.

4.2. Groundwater Sampling

On May 10, 2012, following the collection of depth to groundwater measurements, each of the 18 on and offsite monitoring wells was purged of at least three well casing volumes of water. Purging was performed using disposable bailers or peristaltic pumps in the 2-inch monitoring wells, or using a whale pump in the 4-inch wells labeled EW. Each well was allowed to recover for approximately one hour after purging prior to sampling.

Groundwater samples were collected from each monitoring well using a 2-inch disposable PVC bailer. The groundwater samples were transferred to the appropriate laboratory-supplied sample containers and placed on ice.

4.3. Decontamination Procedures

Equipment that came into contact with potentially contaminated soil or water was decontaminated consistently to assure the quality of samples collected and reduce potential cross contamination. Pump tubing was replaced between each well during purging to prevent cross contamination. Disposable equipment intended for one-time use was not decontaminated. Decontamination occurred prior to and after each use of a piece of equipment. Nitrile gloves were changed between each sample collection to minimize the likelihood of cross contamination.

4.4. Groundwater Sample Analysis

Groundwater samples from each well were laboratory analyzed for total petroleum hydrocarbons (TPH) as gasoline and full list VOCs by United States Environmental Protection Agency (EPA) Method 8260B.

5. GROUNDWATER SAMPLING RESULTS

The following section summarizes the results of the groundwater sampling event conducted on May 10, 2012.

5.1. Liquid Phase Hydrocarbons, Depth to Groundwater and Groundwater Flow Direction

On May 10, 2012, the site wells did not contain any measureable LPH. The depth from TOC to groundwater ranged from 6.25 feet below TOC in MW-9 to 8.57 feet below TOC in MW-13. The groundwater levels measurements and the calculated groundwater elevations are presented on **Table 2**.

Groundwater contours and groundwater flow direction are indicated on **Figure 4**. Based on the contours on Figure 4, the groundwater appears to be flow southwest within the site boundaries, and south/southwest beyond the site's southern boundary. The flow direction appears to shift in an easterly direction northeast of the site. The calculated groundwater gradient on site is 0.002 foot per feet.

5.2. Groundwater Sample Laboratory Results

A summary of the groundwater sample analytical results is presented on **Table 3** and a copy of the laboratory analytical report is presented in **Appendix G**. The laboratory results are compared to the Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs), Residential Land Use, Groundwater is Current or Potential Source of Drinking Water, Table A.

5.2.1. TPH as gasoline in groundwater

TPH as gasoline concentrations in groundwater ranged from below the laboratory

reporting limit of 50 µg/L in wells MW-9, MW-10, and MW-14, to 160,000 micrograms per liter (µg/L) in well MW-7R. The ESL for TPH as gasoline is 100 µg/L. TPH as gasoline in shallow groundwater is presented on **Figure 5**.

5.2.2. Benzene in Groundwater

Benzene concentrations in groundwater ranged from below the laboratory reporting limit of 0.5 µg/L in wells MW-9, MW-10, MW-13, MW-14 and MW-16, to 14,000 µg/L in well MW-7R. The groundwater sample from well MW-11R was also reported below the reporting limit, however the limit was increased to 25 µg/L because of sample dilution. The ESL for benzene is 1 µg/L. Benzene in shallow groundwater is presented on **Figure 6**.

5.2.3. Methyl tert-butyl ether (MTBE) in Groundwater

MTBE concentrations in groundwater were reported below the laboratory reporting limit of 0.5 µg/L in wells MW-4R, MW-6R, MW-9, MW-10, MW-12, and MW-14; below the laboratory reporting limit of 1.0 µg/in well MW-8; and below the reporting limit of 25 µg/L in wells MW-2R, MW-5R, MW-7R, EW-14, EW-15, and EW-17. Concentrations of MTBE reported above laboratory reporting limits ranged from 0.86 µg/L in well EW-16 to 8.2 µg/L in MW-13, the only groundwater sample that exceeded the ESL of 5 µg/L for MTBE was from MW-13.

5.2.4. Other VOCs in Groundwater

Other VOC concentrations in groundwater which exceeded their respective ESL included toluene, ethylbenzene, xylenes, 1,2-dichloroethane, and naphthalene. The highest concentrations of these COCs included 42,000 µg/L of toluene, 3,900 µg/L of ethylbenzene, and 26,700 µg/L of xylenes in well MW-7R, and 3.7 µg/L 1,2-dichloroethane in MW-13), and 680 µg/L of naphthalene in MW-5R.

6. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Upon collection, groundwater samples were immediately placed on ice for storage during field activities, pending transportation to the laboratory. At the conclusion of the sampling event, the samples were transferred to Advanced Technology Laboratories, a California ELAP Certified Laboratory, under the appropriate chain-of-custody documentation.

6.1. Field QA/QCl

During the groundwater sampling event, one duplicate groundwater sample was collected and submitted to the laboratory as a blind sample. The groundwater sample labeled DUP-1 was collected from well MW-5R. Concentrations of TPH as gasoline in the DUP-1 and MW-5R groundwater samples were 39,000 µg/L and 33,000 µg/L, respectively. Concentrations of benzene in DUP-1 and MW-5R groundwater samples were 140 µg/L and 150 µg/L, respectively. Other VOC concentrations in both samples were also within an acceptable relative percent difference for environmental samples.

6.2. Laboratory QA/QC

The laboratory analyses followed the approved methods. Laboratory QA/QC samples included method blanks, laboratory control samples (LCS), matrix spikes (MS), and matrix spike duplicates (MSD). The percentage recoveries were within the specific acceptance limits for these types of samples, therefore the relevant QA/QC results were satisfactory and acceptable.

Notes in the laboratory analytical report include “Surrogate recovery was above laboratory acceptance limit” for samples MW-8 and MW-15. The one other note for multiple samples was “Reporting limit adjusted to reflect sample amount analyzed”. Due to the high concentrations of petroleum constituents in many of the samples, the samples were diluted up to 100 times. Therefore, the reporting limits were increased in samples collected from wells MW-2R, MW-5R, MW-7R, MW-11R, EW-14, EW-15, and EW-17.

6.3. QA/QC Conclusions

No outstanding issues were identified during the course of the QA/QC review. Overall, the presented data are reliable and useable for project decision making.

7. GROUNDWATER SAMPLING CONCLUSIONS

Based on the groundwater sampling activities conducted and the laboratory analytical report, Ninyo & Moore presents the following conclusions:

- Based on depth to water measurements collected on May 10, 2012, and updated surveyed TOC data, the groundwater appears to be flow southwest within the site boundaries, and south/southwest beyond the site's southern boundary. The flow direction appears to shift in an easterly direction northeast of the site. The calculated groundwater gradient on site is 0.002 foot per feet;

- On May 10, 2012, LPH was not detected in any of the site wells. However, LPH may appear at a later date, since the wells in areas which historically contained LPH are now properly screened, with the top of the screen located well above the historical groundwater level highs;

- Dissolved phase TPH as gasoline and/or VOC concentrations in groundwater exceed their respective ESLs by several orders of magnitudes in several wells, including MW-2R, MW-4R through MW-7R, MW-8, MW-11R, MW-12R, MW-15, and EW-14 through EW-17. Concentrations have decreased from groundwater sampling events conducted in 2000 and, since active remediation has not been conducted, this downward trend can probably be attributed to natural attenuation;

- Dissolved phase TPH as gasoline and VOC concentrations in groundwater on May 10, 2012 have shown an increase since sampling events conducted in 2010 and 2011;

- The dissolved-groundwater plume appears to be migrating off site toward the southwest and northeast directions from the former UST locations forming a lens-shaped plume;

- Dissolved phase TPH as gasoline and VOC concentrations were detected for the first time since 2007 in offsite wells MW-8 and MW-12, at concentrations exceeding their respective ESLs.

- Based on the increasing lateral extent and COC concentrations in the dissolved phase groundwater plume, a source of petroleum remains in the subsurface at the site, most likely as residual petroleum in soil.

8. RECOMMENDATIONS

Based on the conclusions discussed above, Ninyo & Moore recommends the preparation of a Work Plan to address the petroleum impacts to site soil and groundwater, as well as potential off site soil vapor issues. The Work Plan will include a discussion of the following recommended actions:

- A soil investigation in the area of the former USTs to evaluate the potential source of site contamination, and a soil-vapor investigation on the adjacent properties to evaluate potential sub slab and indoor air VOC concentrations;
- Measurement of LPH on a monthly basis. Liquid phase hydrocarbons will be measured on a monthly basis from those wells that have historically reported LPH;
- Groundwater sampling on a semi-annual basis in select monitoring wells.

9. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this assessment did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Ninyo & Moore's conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than those noted is undertaken at said parties' sole risk.

10. REFERENCES

California EPA Department of Toxic Substances Control, ***Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air***, INTERIM FINAL, dated December 15, 2005 (Revised February 7, 2005).

ENSR, ***Corrective Action Evaluation and Feasibility Study,*** Sacramento, California, dated June 1998.

Goldman, Frank, ***Groundwater Monitoring Reports and other Reports***, Santa Rosa, California, dated October 25, 2005 through August 8, 2011.

ITRC, ***Evaluating LNAPL Remedial Technologies for Achieving Project Goals***, Washington, D.C., dated December 2009.

Ninyo & Moore, ***Well Inspection Report and Groundwater Sampling Work Plan,*** Oakland, California, dated February 23, 2012.

San Francisco Bay Regional Water Quality Control Board, ***Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final***, Oakland, California, November 2007 (Revised May 2008).

TABLE 1
MONITORING WELL INVENTORY
10-May-12

Monitoring Well ID	Date Installed	Total Depth bgs	Riser Interval bgs	DTW 5/10/2012	Screened Interval bgs[(1)]	Casing Diameter	Action Conducted in May 2012
MW-2R	5/2012	25.0	0-5	7.81	5-25	2"	Replaced MW-2
MW-4R	5/2012	25.0	0-5	7.86	5-25	2"	Replaced MW-4
MW-5R	5/2012	25.0	0-5	7.46	5-25	2"	Replaced MW-5
MW-6R	5/2012	25.0	0-5	7.21	5-25	2"	Replaced MW-6
MW-7R	5/2012	25.0	0-5	7.63	5-25	2"	Replaced MW-7
MW-8	<2000	14.0	0-5	7.74	5-14	2"	Redeveloped
MW-9	<2000	20.0	0-5	6.25	5-20	2"	Redeveloped
MW-10	<2000	16.5	0-6.5	6.49	6.5-16.5	2"	Redeveloped
MW-11R	5/2012	25.0	0-5	8.02	5-25	2"	Replaced MW-11
MW-12 (former BL)	5/2005	24.0	0-14	7.96	14-24	2"	
MW-13 (former BG)	5/2005	20.0	0-15	8.57	15-20	2"	
MW-14 (former BF)	5/2005	15.0	0-5	8.28	5-15	2"	
MW-15 (former BH)	5/2005	30.0	0-20	7.90	20-30	2"	
MW-16 (former BM)	5/2005	30.0	0-20	7.86	20-30	2"	
EW-14	<9/2003	25 [(3)]	0-7	8.15	7-22	4"	TOC repaired, redeveloped
EW-15	2/2004	25[(3)]	0-7	8.06	7-22	4"	Redeveloped
EW-16	2/2004	25[(3)]	0-7	8.37	7-22	4"	Redeveloped
EW-17	2/2004	25[(3)]	0-7	8.19	7-22	4"	Redeveloped
BJ	5/2005	13.0	0-8	--	8-13	--	Lost
BK	5/2005	11.0	0-6	--	6-11	--	Lost

NOTES:

DTW = depth to water measured from TOC on May 10, 2012.
bgs = feet below ground surface
TOC = top of casing
(1) Screened interval data for wells installed <May 2012 is based on historical documents in databases.

TABLE 2
DEPTH TO GROUNDWATER MEASUREMENTS AND ELEVATIONS
10-May-12

MONITORING WELL	Top-of-Casing	Depth to Groundwater (from TOC)	Groundwater Elevation MSL
MW-2R	28.56	7.81	20.75
MW-4R	28.45	7.86	20.59
MW-5R	28.25	7.46	20.79
MW-6R	28.07	7.21	20.86
MW-7R	28.41	7.63	20.78
MW-8	28.01	7.74	20.27
MW-9	27.23	6.25	20.98
MW-10	27.45	6.49	20.96
MW-11R	28.92	8.02	20.90
MW-12 (formerly BL)	28.73	7.96	20.77
MW-13 (formerly BF)	29.21	8.57	20.64
MW-14 (formerly BG)	29.02	8.28	20.74
MW-15 (formerly BH)	28.53	7.90	20.63
MW-16 (formerly BM)	28.52	7.86	20.66
EW-14	28.89	8.15	20.74
EW-15	28.66	8.06	20.60
EW-16	28.99	8.37	20.62
EW-17	28.89	8.19	20.70

Notes:

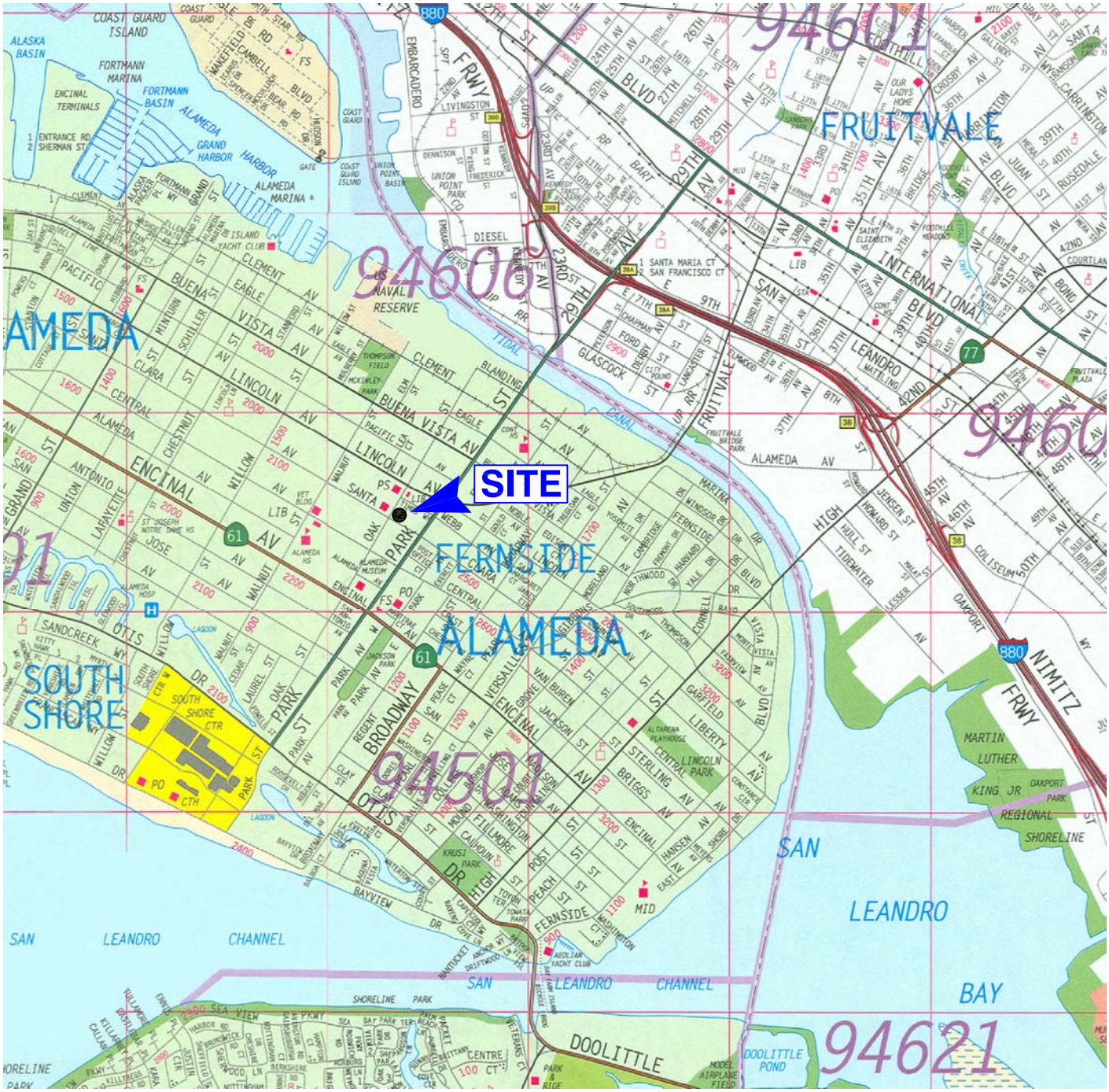
Top-of-Casing (TOC) elevations were surveyed by Virgil Chavez Land Surveying on May 10, 2012.
MSL=Mean Sea Level

TABLE 3
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	MW-2R	MW-4R	MW-5R	MW-6R	MW-7R	MW-8	MW-9	MW-10	MW-11R	MW-12	MW-13	MW-14	MW-15	MW-16	EW-14	EW-15	EW-16	EW-17	ESL
TPH as gasoline (ug/L)	**57,000**	**3,300**	**33,000**	**3,600**	**160,000**	**2,700**	<50	<50	**22,000**	**2,700**	50	<50	**1,800**	**180**	**33,000**	**34,000**	**360**	**11,000**	100
VOCs (µg/L)																			
Benzene	**9,400**	**3.3**	**150**	**8.6**	**14,000**	**15**	<0.5	<0.5	<25	**600**	<0.5	<0.5	**1.6**	<0.5	**4,200**	**6,300**	**40**	**2,800**	1
Toluene	**6,500**	17	**2,700**	**52**	**42,000**	20	<0.5	<0.5	**170**	4.7	<0.5	<0.5	1.4	<0.5	**3,300**	**6,500**	1.6	**1,600**	40
Ethylbenzene	**1,100**	**180**	**2,500**	**120**	**3,900**	5.3	<0.5	<0.5	**910**	**160**	<0.5	<0.5	**130**	<0.5	**2,200**	**1,200**	1.3	**240**	30
Total Xylenes	**5,100**	**824**	**11,100**	**680**	**26,700**	**34**	<1.5	<1.5	**6,300**	**207**	<1.5	<1.5	**38**	<1.5	**10,100**	**5,600**	11.4	**1,280**	20
MTBE	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	**8.2**	<0.5	4.4	2.3	<25	<25	0.86	<25	5
1,2-Dichloroethane	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	**3.7**	<0.5	**2.2**	**2.6**	<25	<25	**0.60**	<25	0.5
1,2,4-Trimethylbenzene	1,100	210	2,400	210	3,300	<1.0	<0.5	<0.5	2,500	13	<0.5	<0.5	6.2	<0.5	1,200	690	3.5	160	NE
1,3,5-Trimethylbenzene	310	63	620	67	960	1.4	<0.5	<0.5	760	23	<0.5	<0.5	23	<0.5	300	180	1.1	50	NE
4-Isopropyltoluene	30	2.7	52	16	49	<0.5	<0.5	<0.5	58	0.60	<0.5	<0.5	3.0	<0.5	<25	<25	<0.5	<25	NE
Chloroform	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	40	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<25	<0.5	<25	70
DIPE	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<25	<0.5	<25	NE
EDB	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<25	<0.5	<25	0.05
ETBE	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<25	<0.5	<25	NE
Isopropylbenzene	96	42	210	20	120	24	<0.5	<0.5	92	10	<0.5	<0.5	22	1.2	73	41	9.3	52	NE
Napthalene	**380**	**89**	**680**	**79**	**660**	**72**	<0.5	<0.5	**440**	**26**	<0.5	<0.5	14	<0.5	**280**	**160**	10	**210**	17
n-Butylbenzene	51	13	99	25	<25	1.7	<0.5	<0.5	<25	2.3	<0.5	<0.5	3.2	<0.5	<25	<25	<0.5	<25	NE
n-Propylbenzene	270	91	630	50	370	24	<0.5	<0.5	240	17	<0.5	<0.5	28	<0.5	190	110	5.8	140	NE
sec-Butylbenzene	<25	10	46	9.9	26	3.8	<0.5	<0.5	<25	2.3	<0.5	<0.5	7.0	5.8	<25	<25	1.6	<25	NE
TAME	<25	<0.50	<25	<0.50	<25	<1.0	<0.5	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<25	<25	<0.5	<25	NE
TBA	<500	<10	<500	<10	<500	<20	<0.5	<10	<500	<10	<10	<10	<10	<10	<500	<500	<10	<500	12

Notes:
Only constituents with a concentration above laboratory detection limits are presented.
Total Petroleum Hydrocarbons as gasoline and Volatile Organic Compounds were analyzed using EPA Method 8260B.
mg/L = milligrams per liter µg/L = micrograms per liter
ESL = Regional Water Quality Control Board, Residental Land Use, Environmental Screening Level (groundwater is a current or potential source of drinking water)
BOLD indicates concentration exceeds the ESL.
NE = ESL not established.
< X indicates concentration is below the laboratory reporting limits.

Prepared by JJW
Reviewed by LMB



REFERENCE: METRO AREAS OF ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES, THOMAS GUIDE, 2008.

N

SCALE IN FEET

0 2000 4000

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO. 401896003 / DATE 6/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	1

401896003-FIG1.dwg, Jun 27, 2012, 3:48pm, snguyen

REFERENCE: GOOGLE EARTH, 2012.

N

SCALE IN FEET

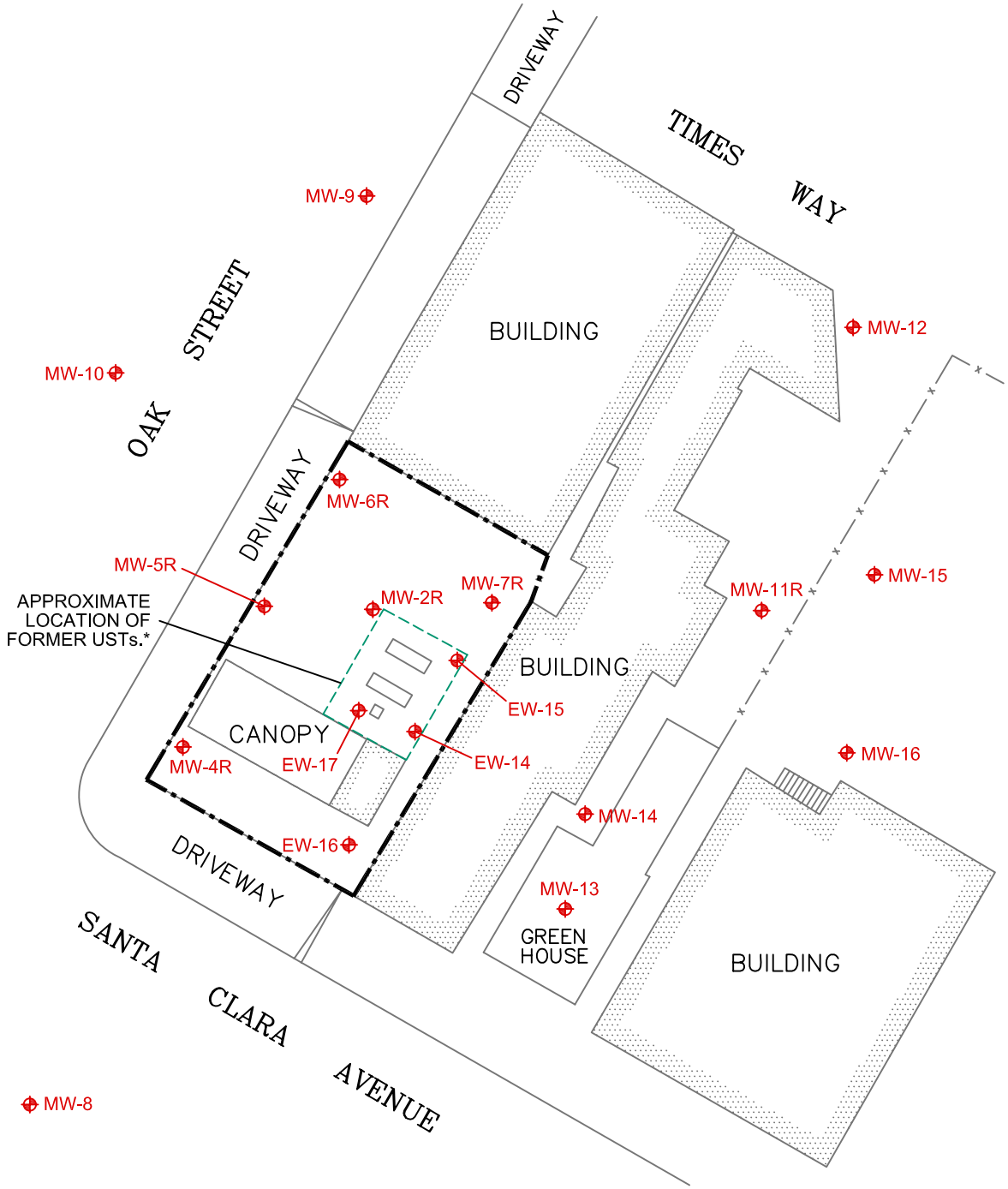
0 40 80

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND
APPROXIMATE SITE BOUNDARY

Ninyo & Moore	SITE VICINITY	FIGURE
PROJECT NO. 401896003 / DATE 6/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	2

401896003-FIG2.dwg, Jun 27, 2012, 3:47pm, snguyen



N

SCALE IN FEET

0 30 60

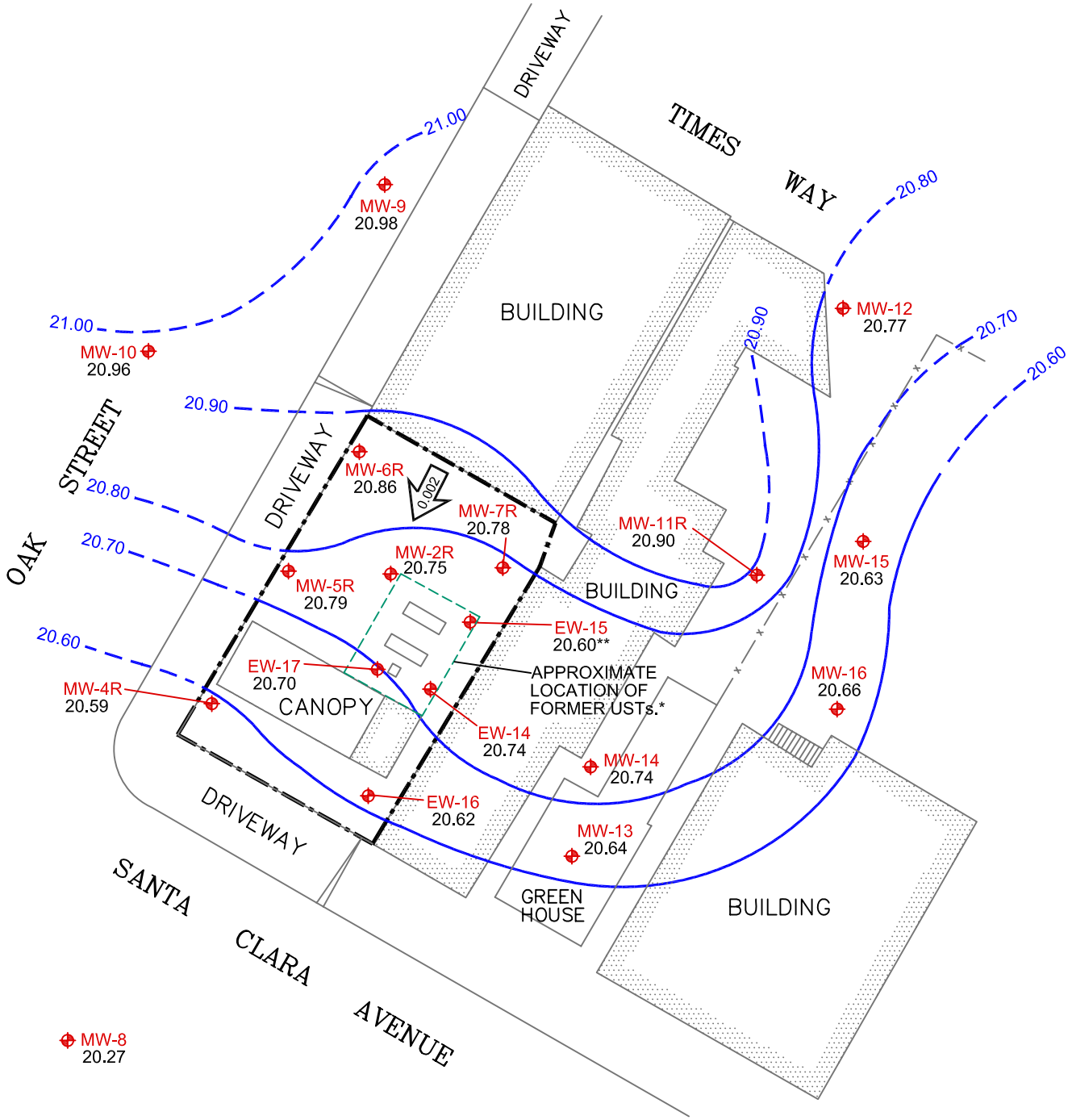
NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND	
	APPROXIMATE SITE BOUNDARY
MW-12	MONITORING WELL GROUNDWATER
x	FENCE
*	BASED ON ENSR DOCUMENT DATED JUNE 1998

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING, 2012.

Ninyo & Moore	SITE PLAN	FIGURE
PROJECT NO. 401896003 / DATE 6/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	3

401896003-FIG3.dwg, Jun 27, 2012, 3:05pm, snguyen



N

SCALE IN FEET

0 30 60

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

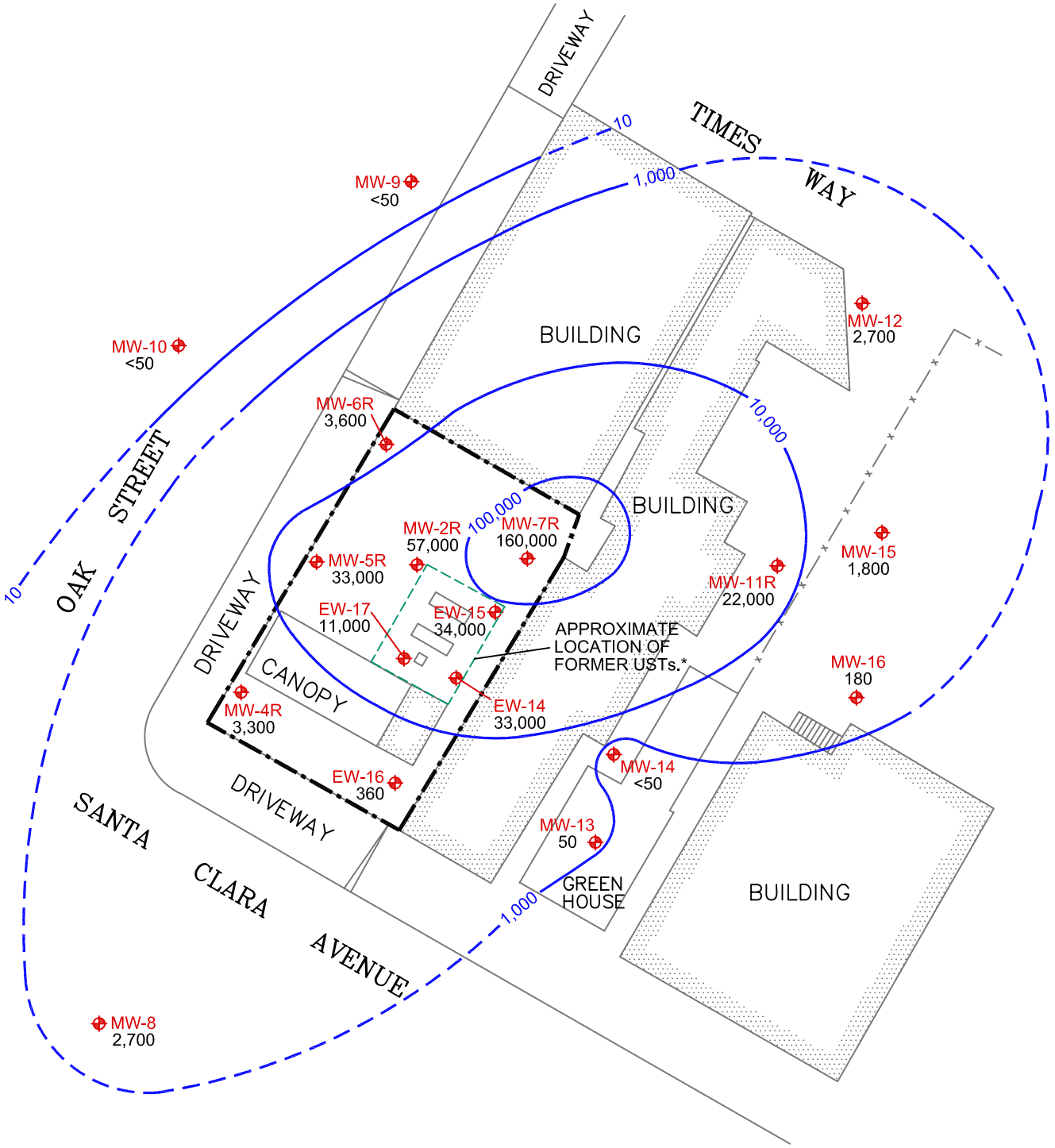
LEGEND

- APPROXIMATE SITE BOUNDARY
- MW-12 20.77 — MONITORING WELL GROUNDWATER ELEVATION IN FEET MSL
- GROUNDWATER EQUIPOTENTIAL LINE (DASHED WHERE INFERRED)
- 0.002 — GROUNDWATER FLOW DIRECTION AND GRADIENT IN FOOT PER FEET
- — x — FENCE
- MSL — MEAN SEA LEVEL
- * — BASED ON ENSR DOCUMENT DATED JUNE 1998
- ** — GROUNDWATER ELEVATION FROM THIS WELL NOT INCLUDED IN EQUIPOTENTIAL LINES

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING, 2012.

Ninyo & Moore	SHALLOW GROUNDWATER CONTOUR MAP	FIGURE
PROJECT NO. 401896003 / DATE 6/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	4

401896003-FIG4.dwg, Jun 27, 2012, 4:22pm, snguyen



N

SCALE IN FEET

0 30 60

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

	APPROXIMATE SITE BOUNDARY
MW-12 2,700	MONITORING WELL GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER
	GROUNDWATER EQUIPOTENTIAL LINE (DASHED WHERE INFERRED) IN MICROGRAMS PER LITER
<0.5	BELOW LABORATORY REPORTING LIMIT
x	FENCE
*	BASED ON ENSR DOCUMENT DATED JUNE 1998

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING, 2012.

Ninyo & Moore

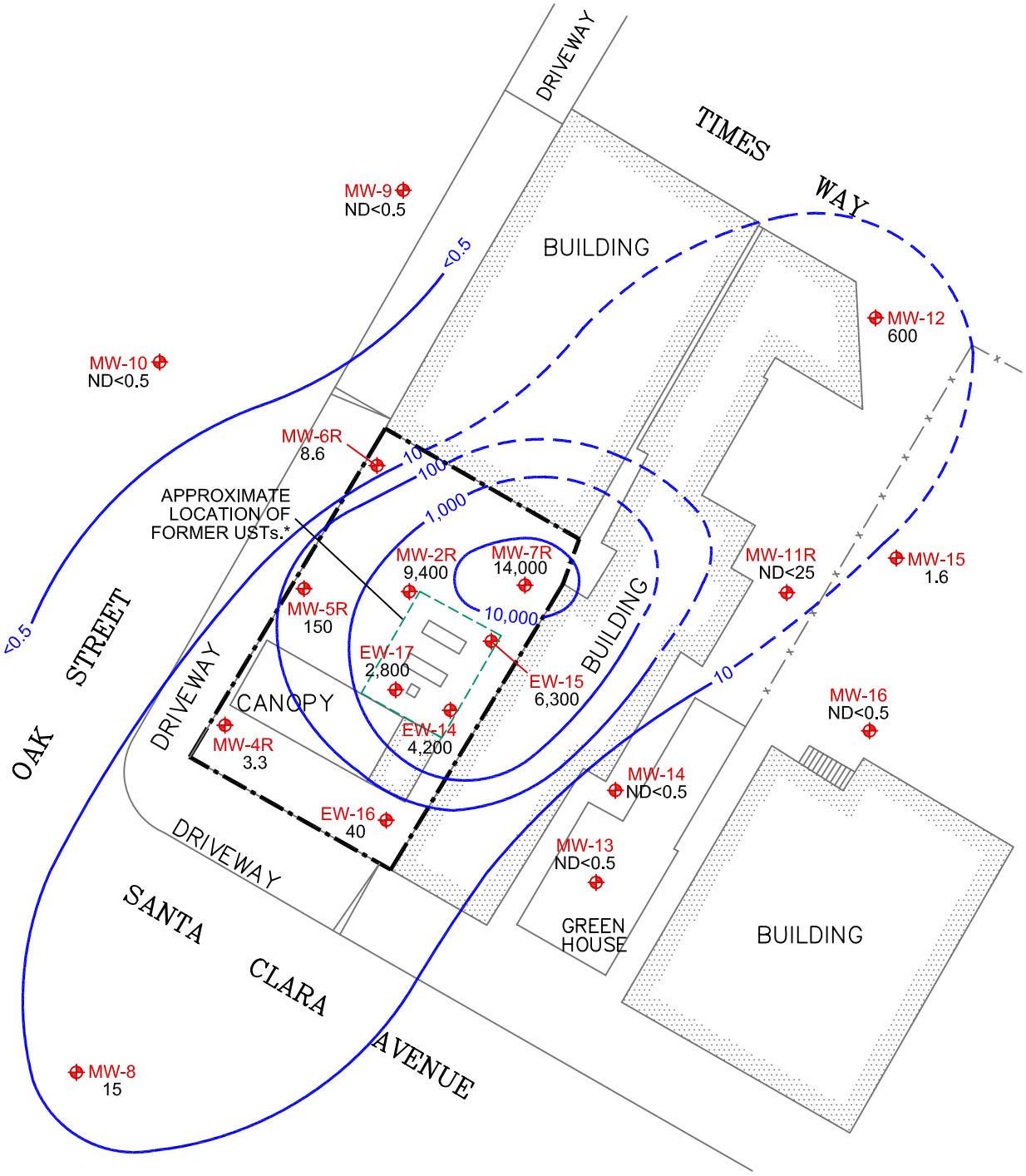
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE CONCENTRATIONS IN SHALLOW GROUNDWATER

FIGURE 5

PROJECT NO.	DATE
401896003	6/12

2301 SANTA CLARA AVENUE
ALAMEDA, CALIFORNIA

401896003-FIG5.dwg, Jun 28, 2012, 2:17pm, snguyen



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING, 2012.

Ninyo & Moore	BENZENE CONCENTRATIONS IN SHALLOW GROUNDWATER	FIGURE
PROJECT NO. 401896003 / DATE 6/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	6

401896003-FIG6.dwg, Jun 28, 2012, 2:16pm,snguyen

APPENDIX A

WORK PLAN AND DIRECTIVE LETTER

February 23, 2012
Project No. 4018969001

Mr. Jerry Wickham
Senior Hazardous Materials Specialist
Alameda County Environmental Health
Health Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Well Inspection Report and Groundwater Sampling Work Plan
Bill Chun Service Station
2301 Santa Clara Avenue
Alameda, California 94501
Fuel Leak Case # RO0000382
Geotracker Global ID # T0600100980

Dear Mr. Wickham:

On behalf of the Lily A. Chun Trust, Ninyo & Moore is pleased to submit this Well Inspection Report and Groundwater Sampling Plan to the Alameda County Environmental Health (ACEH), for the above-referenced site (site). This letter is being written in response to the ACEH Case File Review and Technical Comments dated September 8, 2011.

SITE BACKGROUND

The site is located at 2301 Santa Clara Avenue, in Alameda, County of Alameda, California, as presented on **Figure 1.** The site is a former gasoline service station, and has been the subject of numerous subsurface assessments, remedial action plans, groundwater monitoring and closure petitions since 1993, when three underground storage tanks (USTs) were removed from the site. The project site is located in a mostly commercial area with residential buildings. A Site Vicinity map is presented on **Figure 2**.

Based on the Case File Review and the most recent Monitoring Report dated August 8, 2011, the ACEH stated the following in its September 2011 letter:

- Previous site investigation activities have shown that a significant mass of petroleum hydrocarbons remains at the site and has migrated to the east beneath an adjacent commercial and residential building;

- Soil vapor sampling at the adjacent property has detected volatile organic compounds (VOCs) at highly elevated concentrations that exceed applicable screening levels for potential vapor intrusion to indoor air;
- Indoor air sampling in the adjacent building has detected VOCs at concentrations that exceed indoor air screening levels; and
- The site requires both additional investigation and remediation.

The ACEH presented Technical Comments and requested a Well Inspection and Groundwater Sampling Work Plan and a Draft Corrective Action Plan. This document summarizes the results of the Well Inspection conducted by Ninyo & Moore and proposes a Groundwater Sampling Work Plan.

RESULTS OF MONITORING WELL INSPECTION

On January 21, 2012, Ninyo & Moore personnel mobilized to the site to inspect the condition of the on-site and off-site wells. An additional inspection was conducted on February 14, 2012, to inspect wells which were inaccessible during the first site visit. The following wells were located and are presented on **Figure 3**:

1. Seven on-site 2-inch monitoring wells, MW-1 through MW-7;
2. One on-site 2-inch soil vapor well, SV-1;
3. Six on-site 4-inch monitoring/extraction wells, EW-12 through EW-17;
4. Three off-site, and reportedly up and side gradient, 2-inch monitoring wells, MW-8 through MW-10; and
5. Eight off-site, and reportedly downgradient, 2-inch monitoring wells, MW-11, BF, BG, BH, BJ, BK, BL and BM.

In each well, the condition of the well cap and top-of-casing (TOC) were noted, the seal was inspected to the extent possible, and the wells were sounded for total depth. Observations, as well as well construction details obtained from online databases, are presented on **Table 1**.

Well Conditions

Overall, the condition of monitoring wells MW-1 through MW-7 is poor. Ninyo & Moore recommends the abandonment of these wells, for the following reasons:

- The depth of the riser in wells MW-1 to MW-6 is below the water table. Therefore, previous monitoring of liquid phase hydrocarbons (LPH) is most likely inaccurate and unreliable.
- Monitoring well MW-7 was reportedly damaged by a construction contractor in 1995. In addition to 11 feet of soil entering the well, a passive recovery bailer is lodged in the well.
- There are absorbent oxygen release compound (ORC) socks in wells MW-2 and MW-7, apparently placed by a previous consultant. The ORC socks are stuck in the wells and cannot be removed.
- Due to the age of these monitoring wells, poor seals, old well caps and damage to the TOC in at least two wells (MW-5 and MW-7), there appears to be up to 6 feet of silt in the bottom of the wells.

The total depth of well SV-1 is 9.5 feet below ground surface (bgs) and groundwater was measured at 8.5 feet bgs. This well should be abandoned.

There are six 4-inch on-site wells labeled EW, presumably installed for future groundwater extraction purposes. Ninyo & Moore recommends that these wells be re-developed, repaired and/or abandoned as follows:

- The riser in EW-12 is set 0.5 feet below the lowest recorded depth-to-groundwater measurement. This well should be abandoned.
- The sanitary seal in EW-13 is cracked. Although additional concrete has been added to the top of the well, the seal is still cracked and does not hold water. In addition, the well has historically contained LPH, and continues to exhibit a strong, petroleum odor. This well should be abandoned.
- The TOC in well EW-14 needs to be cut down by inch or two, as the manhole lid does not fit properly over the well cap.
- Wells EW-14, EW-15, EW-16 and EW-17 contain water with black and rusty particles and need to be redeveloped. All EW wells, except EW-16, exhibited strong petroleum odors.

Three off-site monitoring wells, MW-8, MW-9 and MW-10 are reportedly located in upgradient or cross-gradient locations. Ninyo & Moore recommends that these wells be re- developed, for the following reasons:

- Monitoring well MW-8 is located across Santa Clara Avenue, southwest of the site, appears to be constructed correctly and contains minimal silt (0.10 foot). This well should remain in place, although it should be noted that the total depth is only 14 feet bgs. Groundwater in this well contained PVC shavings.

- Monitoring wells MW-9 and MW-10 are located north and northwest of the site, reportedly upgradient of the site, and contain 5.1 feet and 3.1 feet of silt, respectively. Groundwater in both wells contained PVC shavings.

- The depth of the riser in MW-10, 6.5 feet bgs, is below the lowest reported depth-to-water of 4.44 feet bgs. However, the depth-to-water in this well was measured at 7.34 feet bgs on February 14, 2012.

Monitoring wells MW-11, BF, BG, BH, BJ, BK, BL and BM are reportedly located downgradient of the site. During the two site inspections conducted by Ninyo & Moore, well BH was inaccessible due to a parked car and wells BJ and BK required access through a locked building. Ninyo & Moore recommends that select wells be re-developed for the following reasons:

- In well MW-11, there is approximately 5.2 feet of silt on the bottom of the well, the well has historically contained LPH, the well does not appear to be constructed of Schedule 40 PVC, and the integrity of the sanitary deal is questionable. This well should be replaced.

- Well BF should be re-developed to remoce the 3.5 feet of silt on the bottom.

- When accessible, wells BH, BJ and BK should be inspected, and cleaned and repaired if necessary.

- With the exception of MW-11, the screened intervals on these downgradient wells vary. Groundwater elevation data collected from these wells should not be included on groundwater elevations maps.

PROPOSED GROUNDWATER SAMPLING WORK PLAN

Based on the results provided above and to obtain updated, accurate and technically sound data, Ninyo & Moore proposes to conduct the tasks described below.

Pre-field Activities

Ninyo & Moore will conduct the following pre-field activities:

- Prepare a Health and Safety Plan, as required in 29CFR Part1910.120. The HASP will specifically address health and safety concerns with respect to the field activities proposed by Ninyo & Moore;
- Obtain a drilling permit from the ACEH; and
- Conduct utility clearance activities, including marking the boring locations for Underground Service Alert (USA) clearance and clearance of each boring location by a private utility locating firm.

Monitoring Well Abandonment

Monitoring wells MW-1, MW-3 through MW-6, SV-1, EW-12 and EW-13 will be properly destroyed by backfilling with neat cement using a tremie-grout system, as required by State and local regulations. Grout will be poured into the borehole through a tremie pipe, filling the hole from the total depth to approximately 0.5 feet bgs.

The well vaults will be removed and the surface pavement will be patched to match the existing surface. A representative from the Alameda County Public Works Agency (ACPWA) will be notified of the drilling schedule and may visit the site to observe borehole grouting.

Monitoring wells MW-2 and MW-7 will first be overdrilled using a larger diameter auger size, in order to remove the well casing, the lodged ORC socks, and the passive bailer reportedly lodged in MW-7.

Monitoring Well Installation

Five on-site wells and one off-site well will be installed, by hollow-stem auger. The wells will be 2-inch wells and will be constructed with screen intervals from 5 feet to 20 feet bgs, to cover seasonal groundwater fluctuations. Ninyo & Moore proposes to install the wells at the following locations:

- within the cluster of existing wells SV-1, EW-12 and MW-2 (new well);
- north and adjacent to existing wells MW-7 and EW-13 (new well);
- south and adjacent existing MW-5 location, (replacement well);

- south and adjacent to existing well MW-6 location (replacement well);
- between existing wells MW-3 and MW-4 (new well); and
- northeast and adjacent to existing MW-11 location (replacement well).

The locations of the proposed monitoring wells are presented on **Figure 3**. As conditions in the field may vary, minor modifications may be implemented to monitoring well installation as presented in this plan. Sampling locations may be adjusted according to information obtained from underground utility locating conducted prior to sampling or due to accessibility issues. When appropriate, the Ninyo & Moore Project Manager will be notified and a verbal approval will be obtained before implementing the changes. Modifications to the approved plan will be documented in the project report.

Monitoring Well Development

At least 72 hours or more subsequent to well installation, each of the new wells will be developed. Existing wells EW-13 through EW-17, and MW-8 through MW-10 will be re-developed to remove accumulated silt, PVC shavings and other particles. In the event that poor groundwater recovery is encountered in a well, a surge pump system will be used to assist in cleaning the well's filter pack.

Soil Logging and Soil Sample Collection

Soil samples will be collected continuously from surface to groundwater using decontaminated split-spoon samplers for soil description purposes and potential laboratory analyses. If field observations such as staining, odor, photo-ionization detector (PID) readings indicate petroleum contamination, soil samples will be collected for laboratory analyses of petroleum compounds.

Groundwater Sample Collection

Groundwater samples will be collected from all on and off-site wells, using the low flow method or passive diffusion bags, to reduce the amount of purge water generated and the time required for purging.

Sample Laboratory Analyses

Laboratory analyses of groundwater and soil samples for total petroleum hydrocarbons (TPH) as gasoline by EPA Method 8015B and full suite volatile organic compounds (VOCs) by EPA Method 8260B will be conducted by a State Certified Laboratory.

Quality Assurance/Quality Control (QA/QC) Samples

Field QA/QC samples in the form of duplicate samples and equipment rinsate samples will be collected from the project site during field sample collection. The number of duplicate samples will be dependent upon the number of samples collected in one field day and the various sample media (i.e. soil or groundwater). At a minimum, one duplicate sample per media will be collected. Sample duplicates will be submitted blind to the analytical laboratory.

In the event that reusable sampling equipment is used, equipment rinsate blanks will be collected to evaluate field sampling and decontamination procedures by pouring deionized water through or over the decontaminated sampling equipment used. One equipment rinsate blank will be collected for each day that sampling equipment is decontaminated in the field.

Laboratory QA/QC

Laboratory QA/QC will include the preparation of method blanks, surrogates, lab control samples, and matrix spike and matrix spike duplicate samples. Ninyo & Moore will perform Level II Data Validation on all chemical analysis, as a check of overall quality. The data quality check process will include a review of change-of-custody forms, holding times, laboratory analytical reports, method blanks, surrogate recoveries, matrix spike, matrix spike duplicates, lab control samples, and detection limits. The laboratory analytical report Case Narrative will also be reviewed for accuracy. A laboratory QA/QC section will be included in the final report discussing general comments in the laboratory analytical report.

Disposal of Drill Cuttings and Development Water

Drill cuttings and development water will be placed in 55-gallon drums for temporary on-site storage, pending laboratory analysis. Development water may be placed directly into a vacuum truck for proper, off site disposal.

Site Survey and Top-of-Casing Elevation Survey

The newly installed monitoring wells will need to be surveyed. Due to repairs and changes made to the TOC elevations in existing wells, conflicting groundwater flow directions and generally unreliable historical data, a Professional Land Surveyor will conduct a survey of the site, including surface and TOC elevations of all on-site and off-site wells.

Report Preparation and Uploading to the ACEH and Geotracker Databases

A Groundwater Monitoring Report will be prepared and upload to the online databases. The report will include:

- Documentation of pre-field activities;
- Documentation of drilling and sampling methods;
- Laboratory Analytical Reports;
- Field and laboratory QA/QC procedures;
- A discussion of Findings, Conclusions and Recommendations;
- A Surveyed Site Plan with updated TOCs;
- A series of figures showing results, based on professionally surveyed locations;
- A tabular presentation of soil and groundwater analytical data;
- Soil boring logs; and
- Monitoring well construction logs.

RESPONSE TO TECHNICAL COMMENTS PRESENTED BY THE ACEH

1. **Corrective Action is required** – Ninyo & Moore concurs with this comment. However, additional soil, soil vapor and groundwater assessment will be required for the preparation of a technically sound Corrective Action Plan (CAP).

2. **Elevated Concentrations of VOCs in Soil Vapor and Potential Vapor Intrusion are a concern** – Ninyo & Moore concurs. Vapor Intrusion will be properly assessed in the CAP.

3. **Groundwater flow directions and hydraulic gradients presented in previous environmental reports may not represent actual conditions** – Ninyo & Moore concurs. Groundwater flow directions have been stated as north, southeast and southwest in historical reports for the site. Using depth-to-groundwater measurements subsequent to well re-development and new surveyed TOC elevation data may provide a more accurate elevation contour map. Measurements from wells with different screen intervals and from wells with LPH will not be included.

4. **Conditions of Monitoring Wells and Data Quality** – The physical conditions of the monitoring wells are presented in **Table 1** and discussed above. Following the proposed well installation and replacement, re-development and removal of silt from remaining wells, and updated TOC elevation measurements, the data obtained during future sampling events should be more reliable.

5. **Historic Groundwater Flow Direction** – Please refer to Comment 4 above. Shallow groundwater flow on the Island of Alameda can be influenced by tidal action, production wells, the type of fill soil at a specific site, and the proximity of a site to one of the surrounding water bodies. Groundwater flow directions presented in historical monitoring reports has been reviewed and Ninyo & Moore concurs with the ACEH that this data may not be representative of current site conditions.

6. **Surveying of Monitoring Wells** – The surveying of existing and new-installed monitoring wells by a Professional Land Surveyor has been proposed above.

7. **ORC Socks** – The ORC socks logged in wells MW-2 and MW-7 will be removed when the wells are overdrilled and the casing is removed, as proposed above.

8. **Extent of Groundwater Contamination to the North –** An open leaking underground storage tank (LUST) site, the City of Alameda Police Department, is located north of the subject site, at 1555 Oak Street. Based on the most recent monitoring report available online (April 2011), groundwater from well MW-9, located north of the subject site, did not contain detectable concentrations of TPH as gasoline or VOCs. Further evaluation

will be conducted if results from future groundwater sampling events indicate petroleum compounds in groundwater from this well, or new groundwater data indicates a groundwater flow direction to the north.

9. **Existing Building at Northeast End of Property Parcel** – The potential for vapor intrusion to indoor air in this building, the residences located to the southeast, and the clothing store (former flower shop) will be evaluated in a later project phase.

10. **Fill and Rubble in Shallow Soils** – The statement made in a previous report "since the building is very old, and fill soils and rubble have been encountered in subsurface excavations, there may be numerous migratory pathways not yet accounted for" could probably be said about any site located in an urban area. Soils will be logged during the installation of the proposed monitoring wells and potential migratory pathways will be reassessed, if necessary.

11. **Sewer line from Chun Property to Flower Shop** – An evaluation of this sewer line and other utilities will be included in the Draft CAP.

12. **Analytical Data Tables** – Ninyo & Moore concurs that the presentation of analytical data in previous reports is confusing and difficult to interpret. Historical monitoring data will be presented in a clear and concise manner in future reports.

13. **Groundwater Concentration Trend Lines** – Ninyo & Moore concurs with the ACEH that figures in previous reports showing groundwater concentrations, water level elevations and trend lines do not present a valid basis for predicting future groundwater concentrations. Data from several wells presented on one figure essentially render this information invalid. Ninyo & Moore will present historical information in an accurate manner in future reports.

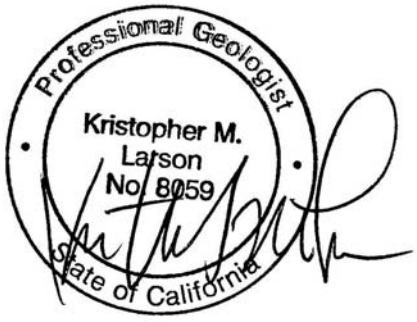
SCHEDULE

Ninyo & Moore anticipates that field work will begin within 2 to 3 weeks of approval of this Work Plan, depending upon subcontractor availability. The monitoring well installations and abandonment activities should be completed within approximately 5 field days. Groundwater sampling activities should be completed in 2 field days, and the site and well survey should be completed in 1-2 days.

A Groundwater Monitoring Report will be submitted to the ACEH approximately 4 weeks following the receipt of final laboratory reports. Additional assessment will most likely be required to assess soil, soil vapor and possibly groundwater conditions on and off the site, prior to the preparation of a CAP.

Should you have any questions regarding this Work Plan, please conduct us at your convenience.

Sincerely,
NINYO & MOORE



Lise Marie Bisson
Senior Geologist

Kris M. Larson, PG
Principal Environmental Geologist

LMB/KML/cab/csj

Attachments: Table 1 – Monitoring Well Information
Figure 1 – Site Location
Figure 2 – Site Vicinity
Figure 3 – Monitoring Well Locations

Distribution: (1) Addressee (uploaded to ACEH and Geotracker websites)
(1) Ms. Carolyn Fong (hard copy)

February 23, 2012

To: Mr. Jerry Wickham
Senior Hazardous Materials Specialist
Alameda County Department of Environmental Health
Health Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Perjury Statement
Well Inspection Results and Groundwater Sampling Work Plan
Bill Chun Service Station
2301 Santa Clara Avenue
Alameda, California 94501
SLIC # RO0000382
Geotracker Global ID # T0600100980

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

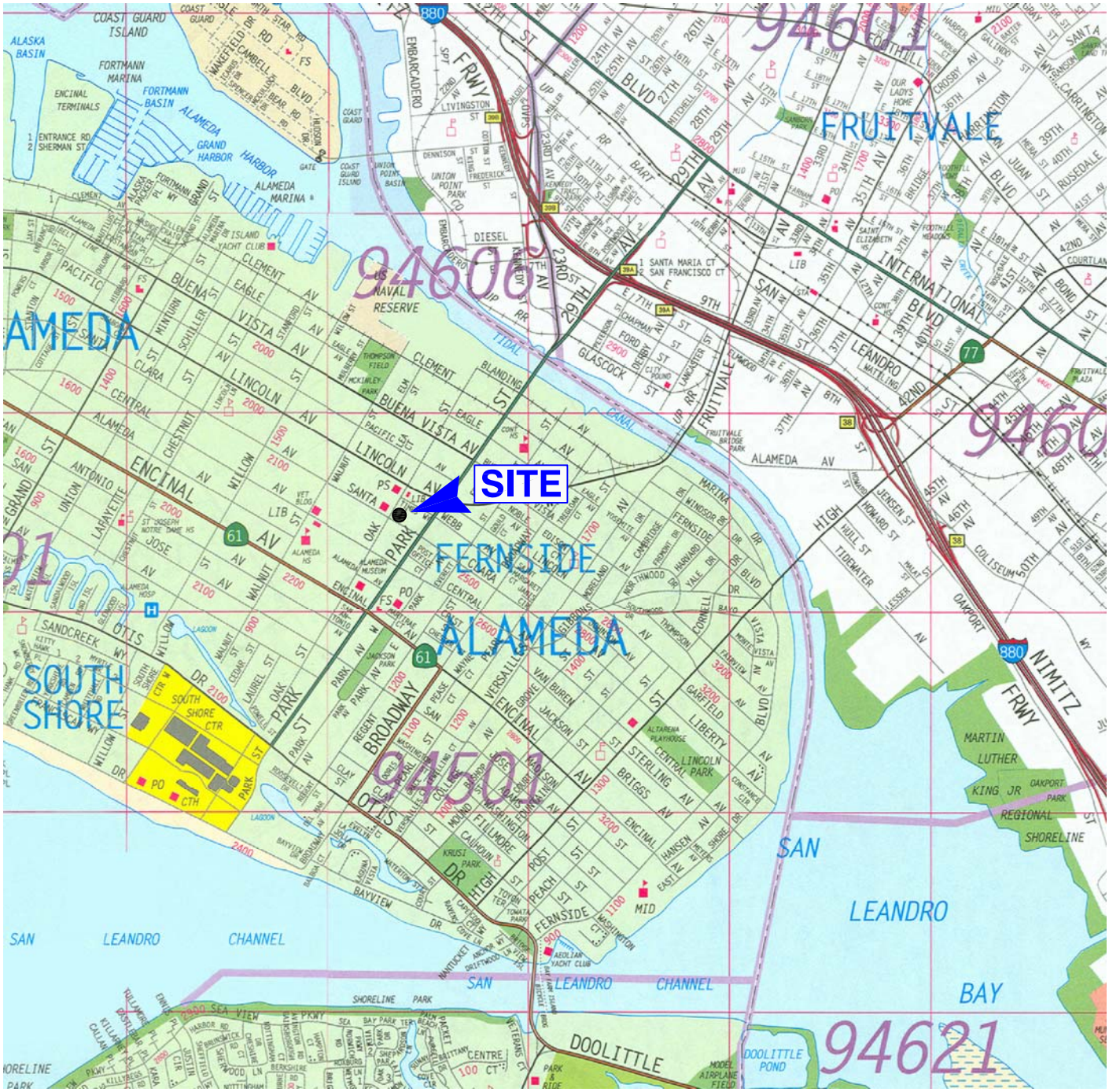
Carolyn Fong, trustee

Ms. Carolyn Fong
Trustee for Lily A. Chun 1991 Trust
711 E. Hermosa Drive
San Gabriel, CA 91755

TABLE 1
MONITORING WELL INFORMATION

Monitoring Well ID	Date Installed	Total Depth bgs[1]	Total Depth Measured bgs [2]	Riser Interval bgs[1]	Min. Depth to Water bgs [1]	DTW[2] bgs 2012	Screened Interval bgs[1]	Casing Diameter	Notes
MW-1	1993	25.0	23.4	0-10	6.77	9.21	10-25	2"	Riser too deep/very strong odor
MW-2	1993	25.0	sock @2.5'	0-10	6.92	--	10-25	2"	ORC sock stuck/strong odor
MW-3	1993	25.0	18.9	0-10	7.4	9.9	10-25	2"	Riser too deep/ 6 feet of silt on bottom
MW-4	<2000	25.0	20.55	0-7	6.6	9.65	7-25	2"	Riser too deep/ 4.5 feet of silt
MW-5	<2000	25.0	21.25	0-7	6.2	--	7-25	2"	TOC has hole / 3.5 feet of silt
MW-6	<2000	25.0	18.0	0-7	6.29	9.05	7-25	2"	Riser too deep/ 7 feet of silt
MW-7	<2000	25.0	sock @ 4.2'	0-7	7.51	--	7-25	2"	TOC has hole/ prev. damaged/ORC sock stuck
MW-8	<2000	14.0	13.9	0-5	7.08	8.1	5-14	2"	PVC shavings in well
MW-9	<2000	20.0	14.9	0-5	5.2	7.26	5-20	2"	5 feet of silt on bottom/ PVC shavings in well
MW-10	<2000	16.5	13.4	0-6.5	4.44	7.34	6.5-16.5	2"	Riser too deep/ 3 feet of silt on bottom/ PVC shavings in well
MW-11	<10/2002	20.0	14.82	0-5	6.79	8.21	5-20	2"	Not schedule 40 PVC (too thin)/ >5 feet of silt
EW-12	<10/2002	25 [3]	23.5	0-7	6.47	8.26	7-22	4"	Riser too deep/very strong odor
EW-13	<10/2002	25 [3]	24.1	0-7	7.8	9.2	7-22	4"	Seal is cracked/very strong odor
EW-14	<9/2003	25 [3]	23.6	0-7	8.08	9.48	7-22	4"	TOC needs to be cut down / black particles / very strong odor
EW-15	1/15/2004	25[3]	23.95	0-7	7.62	8.6	7-22	4"	Concrete on inside of cap/ very strong odor
EW-16	1/15/2004	25[3]	24.05	0-7	7.91	9.16	7-22	4"	Water is rusty
EW-17	1/15/2004	25[3]	23.97	0-7	7.45	8.92	7-22	4"	Water very silty/black particles/ strong odor
SV-1	--	--	9.5	--	--	8.5	--	2"	Water very dirty/black particles/strong odor
BF	5/2005	15.0	11.5	0-5	5.87	8.97	5-15	2"	in greenhouse/ 3.5 feet of silt / shallow screen
BG	5/2005	20.0	20.1	0-15	6.32	10.9	15-20	2"	intermediate screen/no apparent odor
BH	5/2005	30.0	--	0-20	6.18	--	20-30	--	inaccessible/ under car
BJ	5/2005	13.0	--	0-8	4.25	--	8-13	--	inaccessible/behind fence/need permission to enter
BK	5/2005	11.0	--	0-6	4.17	--	6-11	--	inaccessible/behind fence/need permission to enter
BL	5/2005	24.0	24.5	0-14	5.15	10.16	14-24	2"	intermediate screen/no apparent odor
BM	5/2005	30.0	29.5	0-20	5.81	8.58	20-30	2"	deep screen/no apparent odor

NOTES:
(1) As reported on Geotracker.
(2) Approximate depth and depth-to-water recorded by Ninyo & Moore in January or February 2012.
(3) Reported as 22 feet bgs in Geotracker, and at 25 feet bgs in historical reports.
-- indicates not known or verified.
bgs = feet below ground surface
TOC = top of casing
ORC = oxygen release compound



REFERENCE: METRO AREAS OF ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES, THOMAS GUIDE, 2008.

N

SCALE IN FEET

0 2000 4000

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO. 401896001 / DATE 2/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	1

401896001-FIG1.dwg, Feb 22, 2012, 8:46am, snguyen

REFERENCE: GOOGLE EARTH, 2012.

N

SCALE IN FEET

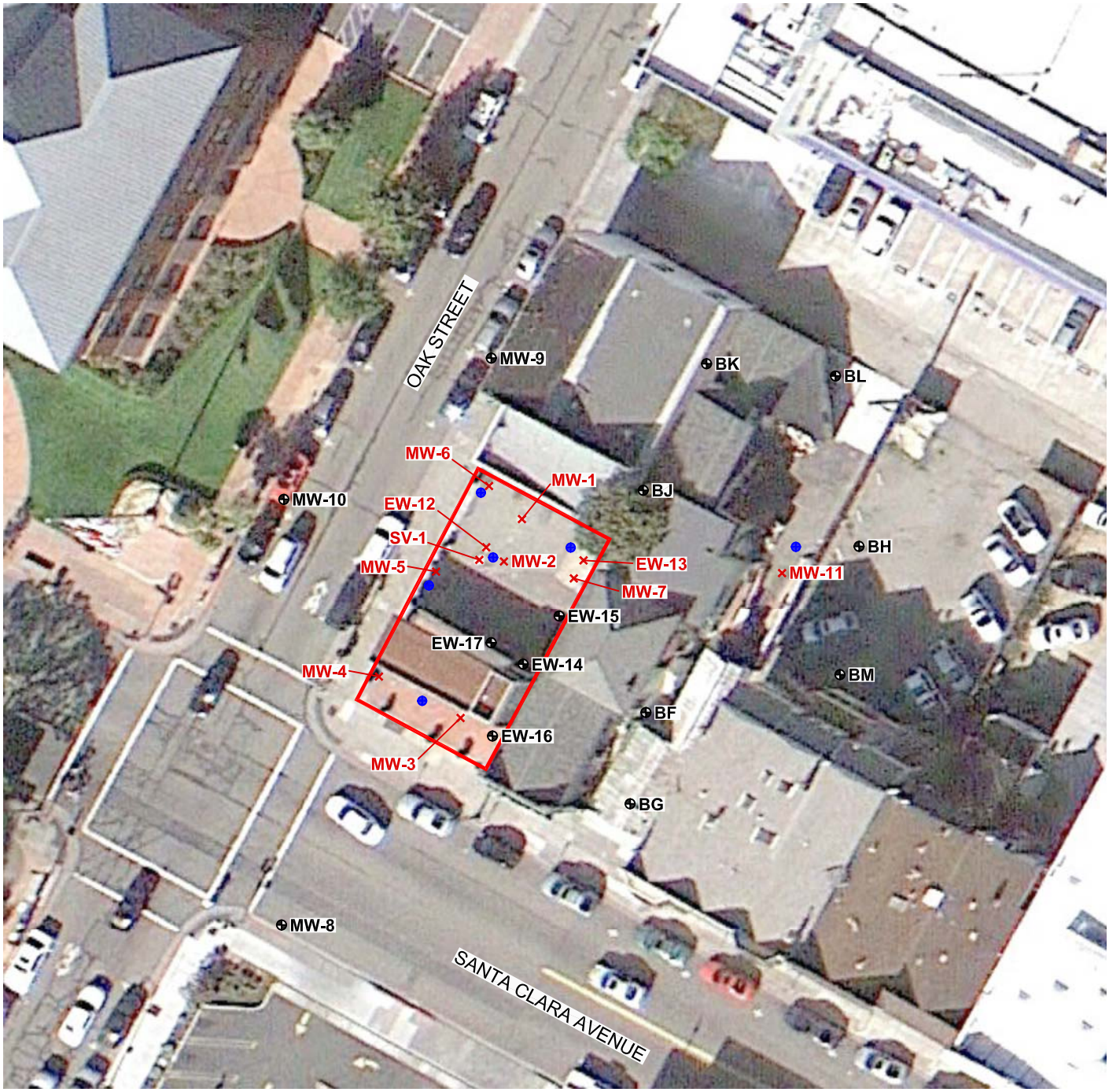
0 40 80

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND	
	APPROXIMATE SITE BOUNDARY

Ninyo & Moore	SITE VICINITY	FIGURE
PROJECT NO. 401896001 / DATE 2/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	2

401896001-FIG2.dwg, Feb 22, 2012, 8:48am, snguyen



REFERENCE: GOOGLE EARTH, 2012.

N

SCALE IN FEET

0 40 80

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

- APPROXIMATE SITE BOUNDARY
- ⊕ MW-10 MONITORING WELL TO REMAIN
- × EW-13 MONITORING WELL TO BE ABANDONED
- ● MONITORING WELL TO BE INSTALLED

LOCATIONS ARE APPROXIMATE AND HAVE NOT BEEN SURVEYED

Ninyo & Moore	MONITORING WELL LOCATIONS	FIGURE
PROJECT NO. 401896001 / DATE 2/12	2301 SANTA CLARA AVENUE ALAMEDA, CALIFORNIA	3

401896001-FIG3.dwg, Feb 22, 2012, 8:50am, snguyen

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

March 20, 2012

Lily A. Chun 1991 Living Trust
Carolyn C. Fong, Trustee
711 East Hermosa Drive
San Gabriel, CA 91775
(*Sent via E-mail to: carolynfong1@sbcglobal.net*)

Subject: Work Plan Review for Fuel Leak Case No. RO0000382 and GeoTracker Global ID T0600100980, Bill Chun Service Station, 2301 Santa Clara Avenue, Alameda, CA 94501

To Lily A. Chun Trust:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the most recent report entitled, "*Well Inspection Report and Groundwater Sampling Work Plan, Bill Chun Service Station, 2301 Santa Clara Avenue, Alameda, CA 94501,"* dated February 23, 2012 (Work Plan). The Work Plan presents result from inspection of on-site and off-site monitoring and extraction wells. The Work Plan also presents plans for well abandonment, replacement, redevelopment, surveying, and groundwater sampling.

The February 23, 2012 Work Plan is a significant improvement in quality over recent technical reports submitted for this site. We thank you for this improvement, which will allow collection of accurate data and move the site towards technically sound assessment, cleanup, and closure.

The proposed scope of work is acceptable as proposed. We request that you address the following technical comments, perform the requested work, and send us the reports requested below.

TECHNICAL COMMENTS

1. **Draft Corrective Action Plan.** We concur that additional soil, soil vapor, and groundwater assessment may be required for the preparation of a Corrective Action Plan (CAP). Therefore, the request for preparation of a Draft CAP is placed in abeyance pending completion of site assessment activities.

2. **Table 1 – Monitoring Well Information.** Please include an updated version of Table 1 in the Well Installation and Groundwater Sampling Report requested below.

3. **GeoTracker.** We note that the February 23, 2012 Work Plan was not uploaded to GeoTracker. Please upload the February 23, 2012 Work Plan and future required data and documents to GeoTracker as required by the State Water Resource Control Board (SWRCB) Electronic Report Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR).

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **July 3, 2012** – Well Installation and Groundwater Sampling Report

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm**.**

Sincerely,

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

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Sue Russell, City of Alameda Economic Development, 2263 Santa Clara Avenue, Room 120, Alameda, CA 94501-4477 (*Sent via E-mail to: srussell@ci.alameda.ca.us*)

Kris Larson, Ninyo & Moore, 1956 Webster Street, Suite 400, Oakland, CA 94612 (*Sent via E-mail to: klarson@ninyoandmoore.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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

REQUIREMENTS

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

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

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

ACPWA WELL PERMIT

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 04/27/2012 By vickyh1

Permit Numbers: W2012-0287 to W2012-0297
Permits Valid from 05/01/2012 to 05/03/2012

Application Id: 1334958933797
City of Project Site: Alameda
Site Location: 2301 Santa Clara Avenue, Alameda, CA 94501
Former gasoline and service station
Project Start Date: 05/01/2012
Completion Date: 05/03/2012

Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: Ninyo & Moore - Sarah Price
1956 Webster Street, Oakland, CA 94612
Phone: 510-343-3000 x5213

Property Owner: Lily Chun
711 East Hermosa Drive, San Gabriel, CA 91755
Phone: --

Client: Carolyn Fong
711 East Hermosa Drive, San Gabriel, CA 91755
Phone: -- x

Total Due: $4367.00
Receipt Number: WR2012-0122 **Total Amount Paid:** $4367.00
Payer Name : Ninyo & Moore Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Monitoring Well Replacement-(Redrill)-Monitoring - 6 Wells
Driller: Penecore - Lic #: 906899 - Method: hstem **Work Total: $2382.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2012-0288	04/27/2012	07/30/2012	MW-11	8.00 in.	2.00 in.	4.00 ft	20.00 ft
W2012-0289	04/27/2012	07/30/2012	MW-2	8.00 in.	2.00 in.	4.00 ft	20.00 ft
W2012-0287	04/27/2012	07/30/2012	MW-4	8.00 in.	2.00 in.	4.00 ft	20.00 ft
W2012-0291	04/27/2012	07/30/2012	MW-5	8.00 in.	2.00 in.	4.00 ft	20.00 ft
W2012-0292	04/27/2012	07/30/2012	MW-6	8.00 in.	2.00 in.	4.00 ft	20.00 ft
W2012-0290	04/27/2012	07/30/2012	MW-7	8.00 in.	2.00 in.	4.00 ft	20.00 ft

Specific Work Permit Conditions

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

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

3. Remove the Christy box or similar structure. Drill out & Replace with New Well.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

7. Minimum surface seal thickness is two inches of cement grout placed by tremie.

8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

10. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Well Destruction-Monitoring - 5 Wells
Driller: Penecore - Lic #: 906899 - Method: hstem **Work Total: $1985.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0293	04/27/2012	07/30/2012	EW-12	8.00 in.	2.00 in.	4.00 ft	20.00 ft			
W2012-0295	04/27/2012	07/30/2012	EW-13	8.00 in.	2.00 in.	4.00 ft	20.00 ft			
W2012-0294	04/27/2012	07/30/2012	MW-1	8.00 in.	2.00 in.	4.00 ft	20.00 ft			
W2012-0296	04/27/2012	07/30/2012	MW-3	8.00 in.	2.00 in.	4.00 ft	20.00 ft			
W2012-0297	04/27/2012	07/30/2012	SV-1	8.00 in.	2.00 in.	4.00 ft	20.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

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

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

7. Remove the Christy box or similar structure. Destroy well by overdrilling & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

APPENDIX C

WELL CONSTRUCTION REPORTS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

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WELL COMPLETION REPORT
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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

APPENDIX D

WELL SURVEY REPORT

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

May 22, 2012
Project No.: 2944-07

Lise Bisson
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612

Subject: Monitoring Well Survey
2301 Santa Clara Ave.
Alameda, CA

Dear Lise:

This is to confirm that we have proceeded at your request to survey the monitoring wells at the above referenced location. The survey was completed on May 10, 2012. The benchmark for this survey was a USC & GS disk in the top of a catch basin at the east side of Park on the north side of Otis Drive. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark Elevation = 8.14 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				29.35	RIM EW-14
37.7660561	-122.2430075	2106091.99	6057868.64	28.89	TOC EW-14
				28.99	RIM EW-15
37.7660921	-122.2429817	2106104.96	6057876.33	28.66	TOC EW-15
				29.23	RIM EW-16
37.7659988	-122.2430478	2106071.34	6057856.61	28.99	TOC EW-16
				29.16	RIM EW-17
37.7660661	-122.2430433	2106095.83	6057858.37	28.89	TOC EW-17
				28.86	RIM MW-2R
37.7661169	-122.2430355	2106114.29	6057860.95	28.56	TOC MW-2R
				28.76	RIM MW-4R
37.7660462	-122.2431537	2106089.18	6057826.31	28.45	TOC MW-4R
				28.57	RIM MW-5R
37.7661174	-122.2431040	2106114.84	6057841.16	28.25	TOC MW-5R
				28.54	RIM MW-6R
37.7661816	-122.2430580	2106137.96	6057854.88	28.07	TOC MW-6R
				28.84	RIM MW-7R
37.7661213	-122.2429605	2106115.49	6057882.67	28.41	TOC MW-7R
				28.43	RIM MW-8
37.7658657	-122.2432462	2106023.97	6057798.37	28.01	TOC MW-8
				27.61	RIM MW-9
37.7663239	-122.2430444	2106189.67	6057859.79	27.23	TOC MW-9
				27.74	RIM MW-10
37.7662329	-122.2432006	2106157.40	6057814.02	27.45	TOC MW-10
				29.13	RIM MW-11
37.7661200	-122.2427902	2106114.07	6057931.87	28.92	TOC MW-11
				28.92	RIM MW-12
37.7662626	-122.2427358	2106165.71	6057948.56	28.73	TOC MW-12

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				29.51	RIM MW-13
37.7659687	-122.2429106	2106059.64	6057896.05	29.21	TOC MW-13
				29.48	RIM MW-14
37.7660164	-122.2428992	2106076.94	6057899.66	29.02	TOC MW-14
				28.80	RIM MW-15
37.7661389	-122.2427194	2106120.59	6057952.45	28.53	TOC MW-15
				28.90	RIM MW-16
37.7660495	-122.2427347	2106088.13	6057947.42	28.52	TOC MW-16

Sincerely,

Virgil D. Chavez, PLS 6323

APPENDIX E

DISPOSAL MANIFESTS

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /		394/232	A07	39373	2.001

Generator and/or Consultant

Generator's Name and Billing Address:
BILL CHUN SERVICE STATION
ATTN: CAROLYN FONG, TRUSTEE FOR LILY A. CHUN
2301 SANTA CLARA AVE.
ALAMEDA, CA 94501

Generator's Phone #: 626-285-2658
Person to Contact:
FAX#:
Customer Account Number:

Consultant's Name and Billing Address:

Consultant's Phone #:
Person to Contact:
FAX#:
Customer Account Number:

Generation Site (Transport from): *(name & address)*
BILL CHUN SERVICE STATION
2301 SANTA CLARA AVE.
ALAMEDA, CA 94501

Site Phone #:
Person to Contact:
FAX#:

Designated Facility (Transport to): *(name & address)*
SOIL SAFE
12328 HIBISCUS AVENUE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFREY
FAX#: (760) 246-8004

Transporter Name and Mailing Address:
BELSHIRE
25971 TOWNE CENTRE DRIVE
FOOTHILL RANCH, CA 92610
BESI: 206879

Transporter's Phone #: 949-460-5200
CAR000183913
Person to Contact: LARRY MOOTHART
450647
FAX#: 949-460-5210
Customer Account Number:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	11 dms		43360	37400	5960
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					2.98

List any exception to items listed above:
Scale Ticket # 102238

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☑ Consultant ☐	Signature and date:	Month	Day	Year
Lily Angela Chun 1991 Living Trust Carolyn C. Fong, Trustee	Carolyn C. Fong, Trustee	05	31	12

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Kevin Dunlop	Kevin Dunlop	06	05	12

Recycling Facility

Discrepancies:
2301SANT
770696

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	6/13/12

Please print or type.

TRANSPORTER COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: 510-342-3000

4. Waste Tracking Number: 050912101

5. Generator's Name and Mailing Address: Lily A. Chun 1991 Living Trust, 711 E Hermosa Drive, San Gabriel, CA 91775 USA

Generator's Site Address (if different than mailing address): Bill Chun Service Station, 2301 Santa Clara Avenue, Alameda, CA 94501 USA

Generator's Phone: 626 285-2558

6. Transporter 1 Company Name: DILLARD ENVIRONMENTAL SERVICES

U.S. EPA ID Number: CAD982628439

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: InStrat Inc., 1105 C Airport Road, Rio Vista, CA 94571 USA

U.S. EPA ID Number

Facility's Phone: 530-753-1829

	9. Waste Shipping Name and Description	10. Container No.	10. Container Type	11. Total Quantity	12. Unit Wt/Vol.	
1.	NON HAZ PURGE WATER	1	TT	700	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information: ***** PLEASE MAIL COPIES OF MANIFESTS / INVOICE TO: NINYO & MOORE - ATTN: LISE MARIE BISSON 1956 WEBSTER STREET, STE. 400 - OAKLAND, CA 94612

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Lily Angela Chun 1991 Living Trust, Carolyn C. Fong, Trustee — Signature: Carolyn C. Fong, Trustee — Month: 05 Day: 09 Year: 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: EDWARD A. ROSE — Signature — Month: 05 Day: 10 Year: 12

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

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

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

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

168-BLG-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

APPENDIX F

HISTORICAL COC CONCENTRATIONS

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-1
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	65,000	15,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	43,000	7,200													
9/20/2003	19,000	4,900													
12/25/2003	12,000	3,400													
4/24/2004	33,000	8,000													
8/8/2004	29,000	9,700													
8/20/2005	35,000	14,000	6,500	1,600	5,000	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	72,000	17,000	16,000	3,000	10,400	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	65,000	21,000	16,000	2,900	9,900	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	62,000	17,000	12,000	2,300	8,600	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	46,000	6,500	4,200	980	4,890	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	57,000	11,000	11,000	2,200	9,600	ND	ND	ND	ND	ND	ND	ND	600	340	1,400
9/23/2007	22,000	4,700	4,100	950	4,100	ND	ND	ND	ND	ND	ND	2.7	390	140	640
9/6/2008	8,300	2,300	740	160	700	ND	ND	ND	ND	ND	ND	ND	200	34	130
9/26/2009	4,100	1,600	310	150	610	ND	ND	ND	ND	ND	ND	ND	75	32	120
2/27/2010	1,600	1,200	110	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2010	3,100	1,300	54	ND	640	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	12,000	5,200	1,700	270	1,790	ND	ND	ND	ND	ND	ND	ND	230	68	230

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was abandoned in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-2
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	140,000	21,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	41,000	5,600													
9/21/2003	27,000	2,400													
12/25/2003	46,000	6,100													
4/24/2004	44,000	8,400													
8/8/2004	21,000	6,800													
8/20/2005	31,000	10,000	5,100	1,400	7,100	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	50,000	15,000	5,200	970	4,400	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	37,000	12,000	8,500	1,700	6,200	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	24,000	8,100	1,400	840	3,090	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	17,000	4,300	2,400	590	2,100	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	ND	5,400	170	320	750	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
9/23/2007	2,500	6,700	540	300	940	ND	ND	ND	3.3	ND	ND	6.6	310	97	260
9/6/2008	6,300	3,000	440	10	290	ND	ND	ND	ND	ND	ND	ND	120	22	12
9/26/2009	5,500	1,800	610	140	680	ND	ND	ND	ND	ND	ND	ND	90	52	180
2/27/2010	3,600	2,500	430	42	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2010	4,700	1,500	550	ND	860	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	11,000	6,300	790	ND	1,230	ND	ND	ND	ND	ND	ND	ND	210	69	170

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-2R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-3
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	9,300	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	10,000	2,300													
9/21/2003	2,700	320													
12/25/2003	3,300	290													
4/24/2004	3,100	1,000													
8/8/2004	2,500	400													
8/20/2005	5,500	3,000	27	140	740	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	6,400	2,100	19	150	530	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	7,000	2,000	52	380	940	ND	ND	ND	31	ND	ND	ND			
9/5/2006	6,000	1,500	31	180	720	ND	ND	ND	27	ND	ND	ND			
1/4/2007	5,500	1,400	ND	77	297	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	5,600	1,500	87	180	740	ND	ND	ND	38	ND	ND	ND	180	ND	78
9/22/2007	5,600	1,300	35	57	189	ND	ND	ND	28	ND	ND	ND	120	8.6	30
9/6/2008	2,600	500	13	19	125	ND	ND	ND	20	ND	ND	ND	33	4.1	11
9/26/2009	2,200	240	12	14	104	ND	ND	ND	4.6	ND	ND	ND	69	3.0	11
2/27/2010	7,270	120	5.4	7.9	44	ND	ND	ND	4.6	ND	ND	ND	38	1.3	2.1
8/21/2010	100	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	1,100	120	2.4	2.4	88	ND	ND	ND	ND	ND	ND	ND	54	7.2	7.2

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was abandoned in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-4
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	ND	ND													
9/20/2003	ND	ND													
12/25/2003	ND	ND													
4/24/2004	3,000	1.0													
8/8/2004	ND	ND													
8/20/2005	1,100	1.5	ND	ND	63	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	320	ND	ND	1.4	17	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	1,500	0.9	3.8	78	236	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	760	ND	ND	1.6	60	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	13	ND	ND
9/23/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/5/2008	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/26/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	2.6
2/27/2010	130	ND	0.6	3.6	27	ND	ND	ND	ND	ND	ND	ND	ND	1.8	3.2
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-4R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-5
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	44,000	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	16,000	89													
9/21/2003	8,700	ND													
12/25/2003	2,300	140													
4/24/2004	13,000	97													
8/8/2004	13,000	82													
8/20/2005	19,000	130	750	1,000	4,400	ND	ND	ND	ND	ND	ND	ND			
3/14/2006	21,000	61	350	700	3,330	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	14,000	91	620	1,000	4,340	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	15,000	56	550	890	3,910	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	20,000	110	680	1,200	4,250	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	23,000	72	1,200	ND	5,300	ND	ND	ND	ND	ND	ND	ND	600	330	1,600
9/24/2007	6,100	490	770	950	4,140	ND	ND	ND	ND	ND	ND	ND	360	250	1,300
9/5/2008	740	ND	1.1	0.8	22	ND	ND	ND	ND	ND	ND	ND	27	22	1.2
9/27/2009	4,000	7.9	47	120	670	ND	ND	ND	ND	ND	ND	ND	86	86	370
2/27/2010	2,100	5.8	34	86	400	ND	ND	ND	ND	ND	ND	ND	92	26	130
8/20/2010	840	0.7	0.5	ND	162	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	2,500	6.8	32	13	431	ND	ND	ND	ND	ND	ND	ND	93	45	69

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-5R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-6
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	10,000	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	3,900	29													
9/20/2003	500	15													
12/25/2003	1,200	18													
4/24/2004	110	3.6													
8/8/2004	320	2.7													
8/20/2005	810	ND	ND	ND	180	ND	ND	ND	ND	ND	ND	ND			
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	9,140	3.3	13	46	173	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	1,100	4.4	10	50	190	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	390	2.0	14	23	85	ND	ND	ND	ND	ND	ND	ND			
7/8/2007	720	2.8	3.2	33	42	ND	ND	ND	ND	ND	ND	ND	19	3.0	17
9/23/2007	1,200	2.8	7.3	56	142	ND	ND	ND	ND	ND	ND	ND	17	13	60
9/5/2008	730	2.0	4.0	16	116	ND	ND	ND	ND	ND	ND	ND	24	9.4	41
9/26/2009	170	0.7	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	6.4	ND	0.8
2/27/2010	230	1.3	1.0	5.8	18	ND	ND	ND	ND	ND	ND	ND	23	1.9	6.7
8/21/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	360	1.2	1.6	ND	9.4	ND	ND	ND	ND	ND	ND	ND	29	3.6	16

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-6R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-7
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	220,000	32,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/4/2002	140,000	15,000													
9/21/2003	110,000	4,200													
12/25/2003	110,000	12,000													
4/24/2004	100,000	10,000													
8/8/2004	92,000	9,300													

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-7R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-8
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	ND	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2002	ND	1.1													
9/20/2003	ND	ND													
12/25/2003	ND	ND													
4/24/2004	ND	ND													
8/8/2004	NA	NA													
8/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
9/6/2006	ND	1.4	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1/6/2007	390	4.4	4.7	0.9	5.6	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/21/2007	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/5/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/26/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-9
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2002	ND	ND													
9/20/2003	ND	ND													
12/25/2003	ND	ND													
4/24/2004	ND	ND													
8/22/2005	ND	ND													
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/13/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
9/7/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1/6/2007	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
9/21/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/5/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/26/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-10
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/17/2000	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2002	ND	ND													
9/20/2003	ND	ND													
12/25/2003	ND	ND													
4/24/2004	ND	ND													
8/22/2004	ND	ND													
8/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/13/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
9/7/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1/6/2007	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/21/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/5/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/26/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-11
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
10/24/2002	59,000	5,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/22/2003	46,000	1,700													
12/25/2003	14,000	1,400													
4/24/2004	38,000	5,000													
8/8/2004	29,000	3,100													
8/20/2005	31,000	5,100	1,500	3,400	17,800	ND	ND	ND	ND	ND	ND	ND			
3/14/2006	47,000	5,600	2,400	1,900	10,100	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	44,000	5,900	2,200	3,600	15,700	ND	ND	ND	ND	ND	ND	ND			
9/6/2006	36,000	5,900	2,100	3,000	16,000	ND	ND	ND	ND	ND	ND	ND			
1/5/2007	50,000	2,200	450.0	2,100	13,300	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	54,000	2,800	1,200.0	3,100	16,400	ND	ND	ND	ND	ND	ND	ND	610	750	2900
9/22/2007	21,000	2,000	1,000	3,100	9,700	ND	ND	ND	ND	ND	ND	ND	490	310	2,700
9/5/2008	11,000	770	160	940	3,100	ND	ND	ND	ND	ND	ND	ND	440	160	1,300
9/26/2009	14,000	280	2,900	560	4,800	ND	ND	ND	ND	ND	ND	ND	150	170	690
2/27/2010	13,000	53	860	700	4,900	ND	ND	ND	ND	ND	ND	ND	180	150	670
8/20/2010	57,000	ND	97	190	2,120	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/22/2011	19,000	ND	29	30	6,500	ND	ND	ND	ND	ND	ND	ND	410	380	1,500

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was replaced with well MW-11R in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-12 (formerly BL)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/22/2005	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
3/14/2006	400	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	11			
6/12/2006	ND	6.8	ND	ND	ND	ND	ND	ND	2.2	ND	ND	2.9			
9/7/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1/5/2007	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND
9/22/2007	ND	8.6	ND	ND	ND	ND	ND	ND	2.8	ND	ND	3.5	ND	ND	ND
9/4/2008	ND	ND	ND	ND	ND	ND	21	ND	3.6	ND	ND	5.0	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/27/2010	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-13 (formerly BG)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/22/2005	100	5.9	ND	ND	ND	ND	ND	ND	13	ND	ND	39			
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7			
6/12/2006	110	7.6	ND	ND	ND	ND	31	ND	16	ND	ND	48	NA	NA	NA
9/7/2006	ND	3.3	ND	ND	ND	ND	ND	ND	20	ND	ND	40			
1/5/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	30	ND	ND	ND
9/22/2007	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	37	ND	ND	ND
9/5/2008	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	31	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	6.2	ND	ND	ND
2/28/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	NA	NA	NA
4/22/2011	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	6.8	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-14 (formerly BF)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/20/2005	3,800	89	4.7	150	3.4	ND	80	ND	19	ND	ND	42	NA	NA	NA
3/14/2006	ND	5,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/12/2006	14,000	11,000	ND	600	ND	ND	ND	ND	ND	ND	ND	ND			
9/6/2006	ND	6,500	ND	170	ND	ND	ND	ND	ND	ND	ND	ND			
1/5/2007	13,000	5,200	5.7	190	71	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	6,900	3,700	54	550	582	ND	ND	ND	ND	ND	ND	ND	97	48	73
9/22/2007	3,200	2,600	19	310	160	ND	ND	ND	ND	ND	ND	3.9	49	22	14
9/5/2008	690	280	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	11	ND	3.2
9/25/2009	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/28/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/22/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-15 (formerly BH)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	NA	NA	NA
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38			
6/12/2006	ND	0.93	ND	ND	ND	ND	130	ND	6.0	ND	ND	55			
9/6/2006	ND	ND	ND	ND	ND	ND	31	ND	3.8	ND	ND	38			
1/5/2007	140	12	44	3.6	19.9	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	90	ND	4.8	ND	ND	60	ND	ND	ND
9/22/2007	ND	ND	ND	ND	ND	ND	29	ND	2.5	ND	ND	27	ND	ND	ND
9/4/2008	ND	1.1	ND	ND	ND	ND	ND	ND	3.0	ND	ND	20	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/26/2010	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	3.6	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - MW-16 (formerly BM)
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0			
3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10			
6/12/2006	ND	ND	ND	ND	ND	ND	29	ND	5.0	ND	ND	14	NA	NA	NA
9/6/2006	ND	ND	ND	ND	ND	ND	12	ND	5.8	ND	ND	4.7			
1/6/2007	ND	ND	ND	ND	ND	ND	ND	ND	4.1	ND	ND	11			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	4.5	ND	ND	ND
9/22/2007	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	6.8	ND	ND	ND
9/4/2008	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	9.1	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/27/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-12
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
10/31/2002	5,840	76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/21/2003	19,000	590													
12/25/2003	9,900	790													
4/24/2004	12,000	920													

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was abandoned in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-13
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
10/31/2002	109,200	9,120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/21/2003	71,000	10,000													
12/25/2003	110,000	17,000													
4/24/2004	100,000	19,000													
8/8/2004	NA	NA													
8/22/2005	130,000	27,000	5,500	4,200	21,700	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	140,000	16,000	46,000	3,300	19,300	ND	ND	ND	ND	ND	ND	1,400			
6/11/2006	130,000	23,000	48,000	3,000	18,800	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	120,000	12,000	40,000	3,200	17,800	ND	ND	ND	ND	ND	ND	ND			
1/5/2007	410,000	57,000	43,000	17,000	75,000	ND	ND	ND	ND	ND	ND	ND			
7/9/2007	140,000	10,000	45,000	4,400	22,800	ND	ND	ND	ND	ND	ND	ND	ND	600	2,200
9/24/2007	27,000	5,400	35,000	3,600	18,600	ND	ND	ND	ND	ND	ND	ND	410	280	1,700
9/6/2008	73,000	7,900	21,000	730	11,300	ND	ND	ND	ND	ND	ND	ND	ND	210	860
9/27/2009	12,000	1,200	3,900	440	2,630	ND	ND	ND	ND	ND	ND	ND	74	71	300
2/27/2010	11,000	3,500	4,300	380	730	ND	ND	ND	ND	ND	ND	ND	57	ND	ND
8/22/2010	14,000	2,600	2,400	30	2,180	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	44,000	7,900	13,000	350	9,500	ND	ND	ND	ND	ND	ND	ND	240	210	890

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This well was abandoned in May 2012.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-14
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
9/22/2003	68,000	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/25/2003	26,000	5,300													
4/24/2004	9,400	4,100													
8/8/2004	14,000	6,300													
8/22/2005	26,000	7,100													
3/13/2006	1,300	360	110	35	119	13	ND	ND	ND	ND	ND	ND			
6/11/2006	2,300	1,100	260	45	198	ND	ND	ND	3.3	ND	ND	ND			
9/6/2006	20,000	4,700	4,200	980	3,800	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	30,000	7,000	4,500	1,100	5,000	ND	ND	ND	ND	ND	ND	ND			
7/9/2007	54,000	14,000	8,800	2,400	10,000	ND	ND	ND	ND	ND	ND	ND	410	260	1,300
9/23/2007	19,000	9,900	7,700	2,100	9,300	ND	ND	ND	ND	ND	ND	12	290	220	1,100
9/6/2008	12,000	4,000	900	66	1,980	ND	ND	ND	ND	ND	ND	ND	110	53	220
9/27/2009	1,700	520	49	41	373	ND	ND	ND	ND	ND	ND	ND	19	15	64
2/27/2010	ND	ND	ND	2.2	373	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9
8/21/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-15
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
1/21/2004	72,000	8,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/8/2004	36,000	3,300													
8/22/2005	670,000	11,000													
3/13/2006	12,000	1,900													
6/11/2006	25,000	2,900													
9/6/2006	51,000	8,200	11,000	2,300	11,200	ND	ND	ND	ND	ND	ND	ND			
1/5/2007	30,000	9,700	1,900	1,400	4,400	ND	ND	ND	ND	ND	ND	ND			
7/9/2007	46,000	5,200	3,800	2,500	11,500	ND	ND	ND	ND	ND	ND	ND	500	630	2,300
9/23/2007	59,000	14,000	5,800	3,600	16,000	ND	ND	ND	4.1	ND	ND	2.5	660	440	2,400
9/6/2008	19,000	7,100	1,000	57	2,730	ND	ND	ND	3.1	ND	ND	4.4	180	130	280
9/26/2009	8,800	1,400	530	280	2,650	ND	ND	ND	ND	ND	ND	ND	96	140	480
2/27/2010	720	250	57	50	113	ND	ND	ND	ND	ND	ND	ND	6.3	1.6	1.5
8/22/2010	1,600	200	4.1	ND	357	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	3,600	680	870	27	780	ND	ND	ND	ND	ND	ND	ND	25	21	31

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-16
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
1/21/2004	1,500	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/8/2004	2,500	590													
8/20/2005	1,600	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	900	400	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	1,400	680	4.1	13	23	ND	ND	ND	ND	ND	ND	ND			
9/5/2006	2,100	210	ND	2.6	ND	ND	ND	ND	14	ND	ND	ND			
1/4/2007	370	2.9	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND			
7/9/2007	2,300	53	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	59	ND	ND
9/22/2007	680	4.2	ND	1.1	1.5	ND	ND	ND	ND	ND	ND	ND	29	ND	ND
9/5/2008	310	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	7.3	ND	ND
9/26/2009	390	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	ND	ND
2/27/2010	220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	190	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - EW-17
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
1/21/2004	18,000	2,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/8/2004	30,000	6,800													
8/22/2005	42,000	13,000	9,300	1,700	8,100	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	29,000	6,500	6,500	1,100	5,500	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	38,000	9,700	9,500	1,600	7,300	ND	ND	ND	ND	ND	ND	ND			
9/6/2006	26,000	8,900	6,900	1,300	6,200	ND	ND	ND	ND	ND	ND	ND			
1/4/2007	27,000	8,100	3,200	890	3,410	ND	ND	ND	ND	ND	ND	ND			
7/9/2007	40,000	7,600	6,400	1,400	7,000	ND	ND	ND	ND	ND	ND	ND	430	220	940
9/23/2007	6,800	5,300	5,300	1,300	5,700	ND	ND	ND	4.2	ND	ND	2.0	210	180	920
9/6/2008	7,500	3,200	530	18	680	ND	ND	ND	ND	ND	ND	ND	87	26	85
9/27/2009	4,200	1,400	580	110	730	ND	ND	ND	ND	ND	ND	ND	64	26	130
2/27/2010	2,600	1,500	400	56	614	ND	ND	ND	ND	ND	ND	ND	50	ND	ND
8/21/2010	2,900	1,200	110	ND	570	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/21/2011	6,500	3,000	110	ND	1,300	ND	ND	ND	ND	ND	ND	ND	100	51	150

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - Monitoring Well BJ
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/22/2005	1500	14	100	38	224	ND	ND	ND	ND	ND	ND	ND			
3/13/2006	790	ND	6.6	6.5	57	ND	ND	ND	ND	ND	ND	ND			
6/11/2006	ND	ND	0.9	0.6	4.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
9/7/2006	ND	1.4	3.8	1.5	9.1	ND	ND	ND	ND	ND	ND	ND			
1/6/2007	ND	ND	2.4	1.4	16	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/22/2007	150	4.0	2.2	0.5	8.9	ND	ND	ND	ND	ND	ND	ND	ND	1.3	4.2
9/5/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/25/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/28/2010	ND	ND	ND	1.1	3.4	ND	ND	ND	ND	ND	ND	ND	3.3	ND	0.9
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/22/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This monitoring well was not located in May 2012

HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS - Monitoring Well BK
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND VOLATILE ORGANIC COMPOUNDS

Date	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	EDB	EDC	DIPE	EtBE	MtBE	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene
	µg/L														
8/22/2005	3,600	22	61	64	330	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
3/13/2006	1,800	ND	14	41	276	ND	ND	ND	ND	ND	ND	28			
6/11/2006	700	ND	0.91	9.8	59	ND	ND	ND	ND	ND	ND	ND			
9/7/2006	1100	0.54	4.9	8.5	70	ND	ND	ND	ND	ND	ND	ND			
1/6/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7/7/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/22/2007	ND	ND	ND	ND	7.8	ND	ND	ND	ND	ND	ND	ND	ND	1.8	1.5
9/5/2008	450	18	45	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/25/2009	ND	0.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2/28/2010	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
4/22/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NA = not analyzed
ND = concentration not detected above laboratory reporting limits
Analytical data was taken from historical monitoring reports in Geotracker.
This monitoring well was not located in May 2012.

APPENDIX G

LABORATORY ANALYTICAL REPORT

ADVANCED TECHNOLOGY LABORATORIES

June 27, 2012

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Lise Marie Bisson
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 633-5640
Fax:(510) 633-5646

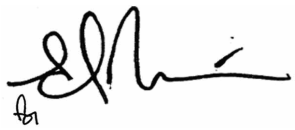
Re: ATL Work Order Number : 1201781

Client Reference : BILL CHUN SERVICE, 401896003

Enclosed are the results for sample(s) received on May 12, 2012 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	1201781-01	Water	5/10/12 11:30	5/12/12 8:16
MW-9	1201781-02	Water	5/10/12 11:40	5/12/12 8:16
MW-8	1201781-03	Water	5/10/12 11:50	5/12/12 8:16
MW-4R	1201781-04	Water	5/10/12 12:40	5/12/12 8:16
MW-12	1201781-05	Water	5/10/12 12:50	5/12/12 8:16
MW-16	1201781-06	Water	5/10/12 13:00	5/12/12 8:16
MW-13	1201781-07	Water	5/10/12 14:30	5/12/12 8:16
MW-14	1201781-08	Water	5/10/12 15:15	5/12/12 8:16
MW-15	1201781-09	Water	5/10/12 16:30	5/12/12 8:16
EW-16	1201781-10	Water	5/10/12 16:45	5/12/12 8:16
EW-14	1201781-11	Water	5/10/12 16:15	5/12/12 8:16
MW-6R	1201781-12	Water	5/10/12 15:05	5/12/12 8:16
MW-5R	1201781-13	Water	5/10/12 14:45	5/12/12 8:16
EW-17	1201781-14	Water	5/10/12 17:05	5/12/12 8:16
EW-15	1201781-15	Water	5/10/12 17:10	5/12/12 8:16
MW-2R	1201781-16	Water	5/10/12 16:00	5/12/12 8:16
MW-7R	1201781-17	Water	5/10/12 16:50	5/12/12 8:16
DUP-1	1201781-18	Water	5/10/12 0:00	5/12/12 8:16
MW-11R	1201781-19	Water	5/10/12 17:45	5/12/12 8:16

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-10

Lab ID: 1201781-01

Gasoline Range Organics by EPA 8015B — **Analyst: BB**

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.05	NA	1	B2E0456	05/16/2012	05/16/12 10:50	
Surrogate: 4-Bromofluorobenzene	*109 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 10:50*	

Volatile Organic Compounds by EPA 8260 — **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Benzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-10

Lab ID: 1201781-01

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Ethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Isopropylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
m,p-Xylene	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
n-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
n-Propylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Naphthalene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
o-Xylene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
sec-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Toluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-10

Lab ID: 1201781-01

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 01:59	
Surrogate: 1,2-Dichloroethane-d4	*90.2 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 01:59*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 01:59*	
Surrogate: Dibromofluoromethane	*94.8 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 01:59*	
Surrogate: Toluene-d8	*94.0 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 01:59*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-9

Lab ID: 1201781-02

Gasoline Range Organics by EPA 8015B **Analyst: BB**

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.05	NA	1	B2E0456	05/16/2012	05/16/12 11:11	
Surrogate: 4-Bromofluorobenzene	*103 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 11:11*	

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Benzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-9

Lab ID: 1201781-02

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Ethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Isopropylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
m,p-Xylene	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
n-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
n-Propylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Naphthalene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
o-Xylene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
sec-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Toluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-9

Lab ID: 1201781-02

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:20	
Surrogate: 1,2-Dichloroethane-d4	*93.6 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 02:20*	
Surrogate: 4-Bromofluorobenzene	*98.8 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 02:20*	
Surrogate: Dibromofluoromethane	*99.3 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 02:20*	
Surrogate: Toluene-d8	*98.2 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 02:20*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-8

Lab ID: 1201781-03

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**2.7**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 11:33	
Surrogate: 4-Bromofluorobenzene	*139 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 11:33*	S7

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1,1-Trichloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1,2,2-Tetrachloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1,2-Trichloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1-Dichloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1-Dichloroethene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,1-Dichloropropene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2,3-Trichloropropane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2,3-Trichlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2,4-Trichlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2,4-Trimethylbenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2-Dibromo-3-chloropropane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2-Dibromoethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2-Dichlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2-Dichloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,2-Dichloropropane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,3,5-Trimethylbenzene	**1.4**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,3-Dichlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,3-Dichloropropane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
1,4-Dichlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
2,2-Dichloropropane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
2-Chloroethyl vinyl ether	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
2-Chlorotoluene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
4-Chlorotoluene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
4-Isopropyltoluene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Benzene	**15**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Bromobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Bromochloromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Bromodichloromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Bromoform	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-8

Lab ID: 1201781-03

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Carbon disulfide	ND	4.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Carbon tetrachloride	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Chlorobenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Chloroethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Chloroform	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Chloromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
cis-1,2-Dichloroethene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
cis-1,3-Dichloropropene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Di-isopropyl ether	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Dibromochloromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Dibromomethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Dichlorodifluoromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Ethyl Acetate	ND	20	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Ethyl Ether	ND	20	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Ethyl tert-butyl ether	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Ethylbenzene	**5.3**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Freon-113	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Hexachlorobutadiene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Isopropylbenzene	**24**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
m,p-Xylene	**31**	2.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Methylene chloride	ND	2.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
MTBE	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
n-Butylbenzene	**1.7**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
n-Propylbenzene	**24**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Naphthalene	**72**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
o-Xylene	**2.7**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
sec-Butylbenzene	**3.8**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Styrene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
tert-Amyl methyl ether	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
tert-Butanol	ND	20	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
tert-Butylbenzene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Tetrachloroethene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Toluene	**20**	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
trans-1,2-Dichloroethene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
trans-1,3-Dichloropropene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Trichloroethene	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-8

Lab ID: 1201781-03

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Vinyl acetate	ND	20	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Vinyl chloride	ND	1.0	NA	2	B2E0466	05/16/2012	05/16/12 22:26	D4
Surrogate: 1,2-Dichloroethane-d4	*95.1 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 22:26*	
Surrogate: 4-Bromofluorobenzene	*119 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 22:26*	
Surrogate: Dibromofluoromethane	*105 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 22:26*	
Surrogate: Toluene-d8	*116 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 22:26*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-4R

Lab ID: 1201781-04

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**3.3**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 11:55	
Surrogate: 4-Bromofluorobenzene	*159 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 11:55*	S7

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2,4-Trimethylbenzene	**210**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,3,5-Trimethylbenzene	**63**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
4-Isopropyltoluene	**2.7**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Benzene	**3.3**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-4R

Lab ID: 1201781-04

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Ethylbenzene	**180**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Isopropylbenzene	**42**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
m,p-Xylene	**740**	10	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
n-Butylbenzene	**13**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
n-Propylbenzene	**91**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
Naphthalene	**89**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
o-Xylene	**84**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:05	D4
sec-Butylbenzene	**10**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Toluene	**17**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-4R

Lab ID: 1201781-04

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 02:41	
Surrogate: 1,2-Dichloroethane-d4	*86.4 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:05*	
Surrogate: 1,2-Dichloroethane-d4	*89.4 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 02:41*	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:05*	
Surrogate: 4-Bromofluorobenzene	*111 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 02:41*	
Surrogate: Dibromofluoromethane	*90.6 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:05*	
Surrogate: Dibromofluoromethane	*94.3 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 02:41*	
Surrogate: Toluene-d8	*90.3 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:05*	
Surrogate: Toluene-d8	*100 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 02:41*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-12

Lab ID: 1201781-05

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**2.7**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 12:17	
Surrogate: 4-Bromofluorobenzene	*120 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 12:17*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2,4-Trimethylbenzene	**13**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,3,5-Trimethylbenzene	**23**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
4-Isopropyltoluene	**0.60**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Benzene	**600**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:25	D4
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-12

Lab ID: 1201781-05

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Ethylbenzene	**160**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:25	D4
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Isopropylbenzene	**10**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
m,p-Xylene	**190**	1.0	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
n-Butylbenzene	**2.3**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
n-Propylbenzene	**17**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Naphthalene	**26**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
o-Xylene	**17**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
sec-Butylbenzene	**2.3**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Toluene	**4.7**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-12

Lab ID: 1201781-05

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:01	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:25*	
Surrogate: 1,2-Dichloroethane-d4	*97.4 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 03:01*	
Surrogate: 4-Bromofluorobenzene	*123 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:25*	
Surrogate: 4-Bromofluorobenzene	*125 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 03:01*	
Surrogate: Dibromofluoromethane	*107 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 03:01*	
Surrogate: Dibromofluoromethane	*108 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:25*	
Surrogate: Toluene-d8	*116 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:25*	
Surrogate: Toluene-d8	*119 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 03:01*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-16

Lab ID: 1201781-06

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.18**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 12:39	
Surrogate: 4-Bromofluorobenzene	*102 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 12:39*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2-Dichloroethane	**2.6**	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
2-Chlorotoluene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
4-Chlorotoluene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Benzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Bromobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Bromochloromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Bromodichloromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Bromoform	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-16

Lab ID: 1201781-06

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Carbon disulfide	ND	2.0	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Carbon tetrachloride	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Chlorobenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Chloroethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Chloroform	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Chloromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Di-isopropyl ether	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Dibromochloromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Dibromomethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Ethyl Acetate	ND	10	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Ethyl Ether	ND	10	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Ethylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Freon-113	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Isopropylbenzene	**1.2**	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
m,p-Xylene	ND	1.0	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Methylene chloride	ND	1.0	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
MTBE	**2.3**	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
n-Butylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
n-Propylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Naphthalene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
o-Xylene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
sec-Butylbenzene	**5.8**	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Styrene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
tert-Butanol	ND	10	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
tert-Butylbenzene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Tetrachloroethene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Toluene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Trichloroethene	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-16

Lab ID: 1201781-06

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Vinyl acetate	ND	10	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Vinyl chloride	ND	0.50	NA	1	B2E0466	05/16/2012	05/16/12 20:45	
Surrogate: 1,2-Dichloroethane-d4	*84.3 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 20:45*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 20:45*	
Surrogate: Dibromofluoromethane	*86.9 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 20:45*	
Surrogate: Toluene-d8	*91.7 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 20:45*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-13

Lab ID: 1201781-07

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.05**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 13:01	
Surrogate: 4-Bromofluorobenzene	*95.0 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 13:01*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2-Dichloroethane	**3.7**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Benzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-13

Lab ID: 1201781-07

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Ethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Isopropylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
m,p-Xylene	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
MTBE	**8.2**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
n-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
n-Propylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Naphthalene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
o-Xylene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
sec-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Toluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-13

Lab ID: 1201781-07

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 03:41	
Surrogate: 1,2-Dichloroethane-d4	*77.6 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 03:41*	
Surrogate: 4-Bromofluorobenzene	*94.1 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 03:41*	
Surrogate: Dibromofluoromethane	*86.3 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 03:41*	
Surrogate: Toluene-d8	*95.5 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 03:41*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-14

Lab ID: 1201781-08

Gasoline Range Organics by EPA 8015B **Analyst: BB**

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.05	NA	1	B2E0456	05/16/2012	05/16/12 13:23	
Surrogate: 4-Bromofluorobenzene	*102 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 13:23*	

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Benzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-14

Lab ID: 1201781-08

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Ethylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Isopropylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
m,p-Xylene	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
n-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
n-Propylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Naphthalene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
o-Xylene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
sec-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Toluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-14

Lab ID: 1201781-08

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:01	
Surrogate: 1,2-Dichloroethane-d4	*96.4 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 04:01*	
Surrogate: 4-Bromofluorobenzene	*116 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 04:01*	
Surrogate: Dibromofluoromethane	*110 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 04:01*	
Surrogate: Toluene-d8	*115 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 04:01*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-15

Lab ID: 1201781-09

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**1.8**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 13:44	
Surrogate: 4-Bromofluorobenzene	*135 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 13:44*	S7

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2,4-Trimethylbenzene	**6.2**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2-Dichloroethane	**2.2**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,3,5-Trimethylbenzene	**23**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
4-Isopropyltoluene	**3.0**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Benzene	**1.6**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-15

Lab ID: 1201781-09

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Ethylbenzene	**130**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 21:45	D4
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Isopropylbenzene	**22**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
m,p-Xylene	**37**	1.0	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
MTBE	**4.4**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
n-Butylbenzene	**3.2**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
n-Propylbenzene	**28**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Naphthalene	**14**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
o-Xylene	**1.0**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
sec-Butylbenzene	**7.0**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Toluene	**1.4**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-15

Lab ID: 1201781-09

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 04:21	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:45*	
Surrogate: 1,2-Dichloroethane-d4	*97.3 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 04:21*	
Surrogate: 4-Bromofluorobenzene	*124 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:45*	
Surrogate: 4-Bromofluorobenzene	*122 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 04:21*	
Surrogate: Dibromofluoromethane	*106 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 04:21*	
Surrogate: Dibromofluoromethane	*111 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:45*	
Surrogate: Toluene-d8	*119 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 04:21*	
Surrogate: Toluene-d8	*117 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 21:45*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-16

Lab ID: 1201781-10

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.36**	0.05	NA	1	B2E0456	05/16/2012	05/16/12 14:06	
Surrogate: 4-Bromofluorobenzene	*117 %*	*70 - 130*			B2E0456	05/16/2012	*05/16/12 14:06*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2,4-Trimethylbenzene	**3.5**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2-Dichloroethane	**0.60**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,3,5-Trimethylbenzene	**1.1**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
2-Chlorotoluene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
4-Chlorotoluene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
4-Isopropyltoluene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Benzene	**40**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Bromobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Bromochloromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Bromodichloromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Bromoform	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-16

Lab ID: 1201781-10

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Carbon disulfide	ND	2.0	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Carbon tetrachloride	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Chlorobenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Chloroethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Chloroform	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Chloromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Di-isopropyl ether	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Dibromochloromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Dibromomethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Ethyl Acetate	ND	10	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Ethyl Ether	ND	10	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Ethylbenzene	**1.3**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Freon-113	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Isopropylbenzene	**9.3**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
m,p-Xylene	**6.1**	1.0	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Methylene chloride	ND	1.0	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
MTBE	**0.86**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
n-Butylbenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
n-Propylbenzene	**5.8**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Naphthalene	**10**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
o-Xylene	**5.3**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
sec-Butylbenzene	**1.6**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Styrene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
tert-Butanol	ND	10	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
tert-Butylbenzene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Tetrachloroethene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Toluene	**1.6**	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Trichloroethene	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-16

Lab ID: 1201781-10

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Vinyl acetate	ND	10	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Vinyl chloride	ND	0.50	NA	1	B2E0539	05/18/2012	05/18/12 14:38	
Surrogate: 1,2-Dichloroethane-d4	*99.5 %*		*70 - 130*		B2E0539	05/18/2012	*05/18/12 14:38*	
Surrogate: 4-Bromofluorobenzene	*122 %*		*70 - 130*		B2E0539	05/18/2012	*05/18/12 14:38*	
Surrogate: Dibromofluoromethane	*108 %*		*70 - 130*		B2E0539	05/18/2012	*05/18/12 14:38*	
Surrogate: Toluene-d8	*117 %*		*70 - 130*		B2E0539	05/18/2012	*05/18/12 14:38*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-14

Lab ID: 1201781-11

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**33**	0.50	NA	10	B2E0503	05/17/2012	05/17/12 20:58	
Surrogate: 4-Bromofluorobenzene	*96.2 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 20:58*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2,4-Trimethylbenzene	**1200**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,3,5-Trimethylbenzene	**300**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
4-Isopropyltoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Benzene	**4200**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-14

Lab ID: 1201781-11

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Ethylbenzene	**2200**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Isopropylbenzene	**73**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
m,p-Xylene	**7400**	50	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
n-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
n-Propylbenzene	**190**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Naphthalene	**280**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
o-Xylene	**2700**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
sec-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Toluene	**3300**	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-14

Lab ID: 1201781-11

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 05:42	D4
Surrogate: 1,2-Dichloroethane-d4	*88.3 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 05:42*	
Surrogate: 4-Bromofluorobenzene	*122 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 05:42*	
Surrogate: Dibromofluoromethane	*104 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 05:42*	
Surrogate: Toluene-d8	*119 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 05:42*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-6R

Lab ID: 1201781-12

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**3.6**	0.10	NA	2	B2E0503	05/17/2012	05/17/12 21:20	
Surrogate: 4-Bromofluorobenzene	*95.7 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 21:20*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1,1-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1,2-Trichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,1-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2,3-Trichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2,4-Trimethylbenzene	**210**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 22:06	D4
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2-Dibromoethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2-Dichloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,3,5-Trimethylbenzene	**67**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 22:06	D4
1,3-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,3-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
1,4-Dichlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
2,2-Dichloropropane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
2-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
4-Chlorotoluene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
4-Isopropyltoluene	**16**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Benzene	**8.6**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Bromobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Bromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Bromodichloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Bromoform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-6R

Lab ID: 1201781-12

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Carbon disulfide	ND	2.0	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Carbon tetrachloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Chlorobenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Chloroethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Chloroform	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Chloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Di-isopropyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Dibromochloromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Dibromomethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Dichlorodifluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Ethyl Acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Ethyl Ether	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Ethyl tert-butyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Ethylbenzene	**120**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 22:06	D4
Freon-113	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Hexachlorobutadiene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Isopropylbenzene	**20**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
m,p-Xylene	**450**	10	NA	10	B2E0466	05/16/2012	05/16/12 22:06	D4
Methylene chloride	ND	1.0	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
MTBE	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
n-Butylbenzene	**25**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
n-Propylbenzene	**50**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Naphthalene	**79**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
o-Xylene	**230**	5.0	NA	10	B2E0466	05/16/2012	05/16/12 22:06	D4
sec-Butylbenzene	**9.9**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Styrene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
tert-Amyl methyl ether	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
tert-Butanol	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
tert-Butylbenzene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Tetrachloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Toluene	**52**	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Trichloroethene	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-6R

Lab ID: 1201781-12

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Vinyl acetate	ND	10	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Vinyl chloride	ND	0.50	NA	1	B2E0448	05/16/2012	05/16/12 05:02	
Surrogate: 1,2-Dichloroethane-d4	*97.7 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:06*	
Surrogate: 1,2-Dichloroethane-d4	*89.2 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 05:02*	
Surrogate: 4-Bromofluorobenzene	*120 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:06*	
Surrogate: 4-Bromofluorobenzene	*119 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 05:02*	
Surrogate: Dibromofluoromethane	*100 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 05:02*	
Surrogate: Dibromofluoromethane	*107 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:06*	
Surrogate: Toluene-d8	*114 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:06*	
Surrogate: Toluene-d8	*114 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 05:02*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-5R

Lab ID: 1201781-13

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**33**	0.50	NA	10	B2E0503	05/17/2012	05/17/12 21:41	
Surrogate: 4-Bromofluorobenzene	*108 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 21:41*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2,4-Trimethylbenzene	**2400**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,3,5-Trimethylbenzene	**620**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
4-Isopropyltoluene	**52**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Benzene	**150**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-5R

Lab ID: 1201781-13

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Ethylbenzene	**2500**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Isopropylbenzene	**210**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
m,p-Xylene	**8200**	50	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
n-Butylbenzene	**99**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
n-Propylbenzene	**630**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Naphthalene	**680**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
o-Xylene	**2900**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
sec-Butylbenzene	**46**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Toluene	**2700**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-5R

Lab ID: 1201781-13

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:02	D4
Surrogate: 1,2-Dichloroethane-d4	*86.1 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:02*	
Surrogate: 4-Bromofluorobenzene	*123 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:02*	
Surrogate: Dibromofluoromethane	*103 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:02*	
Surrogate: Toluene-d8	*117 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:02*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-17

Lab ID: 1201781-14

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**11**	0.25	NA	5	B2E0503	05/17/2012	05/17/12 22:03	
Surrogate: 4-Bromofluorobenzene	*97.6 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 22:03*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2,4-Trimethylbenzene	**160**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,3,5-Trimethylbenzene	**50**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
4-Isopropyltoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Benzene	**2800**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-17

Lab ID: 1201781-14

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Ethylbenzene	**240**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Isopropylbenzene	**52**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
m,p-Xylene	**950**	50	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
n-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
n-Propylbenzene	**140**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Naphthalene	**210**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
o-Xylene	**330**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
sec-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Toluene	**1600**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-17

Lab ID: 1201781-14

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:22	D4
Surrogate: 1,2-Dichloroethane-d4	*74.6 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:22*	
Surrogate: 4-Bromofluorobenzene	*103 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:22*	
Surrogate: Dibromofluoromethane	*88.4 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:22*	
Surrogate: Toluene-d8	*100 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 06:22*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-15

Lab ID: 1201781-15

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**34**	0.50	NA	10	B2E0503	05/17/2012	05/17/12 22:24	
Surrogate: 4-Bromofluorobenzene	*90.2 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 22:24*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2,4-Trimethylbenzene	**690**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,3,5-Trimethylbenzene	**180**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
4-Isopropyltoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Benzene	**6300**	50	NA	100	B2E0466	05/16/2012	05/16/12 22:46	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-15

Lab ID: 1201781-15

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Ethylbenzene	**1200**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Isopropylbenzene	**41**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
m,p-Xylene	**4100**	50	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
n-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
n-Propylbenzene	**110**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Naphthalene	**160**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
o-Xylene	**1500**	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
sec-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Toluene	**6500**	50	NA	100	B2E0466	05/16/2012	05/16/12 22:46	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID EW-15

Lab ID: 1201781-15

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 06:42	D4
Surrogate: 1,2-Dichloroethane-d4	*86.2 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:46*	
Surrogate: 1,2-Dichloroethane-d4	*71.1 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 06:42*	
Surrogate: 4-Bromofluorobenzene	*95.8 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 06:42*	
Surrogate: 4-Bromofluorobenzene	*109 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:46*	
Surrogate: Dibromofluoromethane	*94.6 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:46*	
Surrogate: Dibromofluoromethane	*84.8 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 06:42*	
Surrogate: Toluene-d8	*95.4 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 06:42*	
Surrogate: Toluene-d8	*105 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 22:46*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-2R

Lab ID: 1201781-16

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**57**	1.0	NA	20	B2E0503	05/17/2012	05/17/12 22:46	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 22:46*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2,4-Trimethylbenzene	**1100**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,3,5-Trimethylbenzene	**310**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
4-Isopropyltoluene	**30**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Benzene	**9400**	50	NA	100	B2E0466	05/16/2012	05/16/12 23:06	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-2R

Lab ID: 1201781-16

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Ethylbenzene	**1100**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Isopropylbenzene	**96**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
m,p-Xylene	**3700**	50	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
n-Butylbenzene	**51**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
n-Propylbenzene	**270**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Naphthalene	**380**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
o-Xylene	**1400**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
sec-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Toluene	**6500**	50	NA	100	B2E0466	05/16/2012	05/16/12 23:06	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-2R

Lab ID: 1201781-16

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:03	D4
Surrogate: 1,2-Dichloroethane-d4	*86.8 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 23:06*	
Surrogate: 1,2-Dichloroethane-d4	*87.4 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 07:03*	
Surrogate: 4-Bromofluorobenzene	*121 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 07:03*	
Surrogate: 4-Bromofluorobenzene	*110 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 23:06*	
Surrogate: Dibromofluoromethane	*103 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 07:03*	
Surrogate: Dibromofluoromethane	*96.2 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 23:06*	
Surrogate: Toluene-d8	*120 %*	*70 - 130*			B2E0448	05/16/2012	*05/16/12 07:03*	
Surrogate: Toluene-d8	*107 %*	*70 - 130*			B2E0466	05/16/2012	*05/16/12 23:06*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-7R

Lab ID: 1201781-17

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**160**	5.0	NA	100	B2E0503	05/17/2012	05/17/12 23:08	
Surrogate: 4-Bromofluorobenzene	*86.2 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 23:08*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2,4-Trimethylbenzene	**3300**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,3,5-Trimethylbenzene	**960**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
4-Isopropyltoluene	**49**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Benzene	**14000**	500	NA	1000	B2E0466	05/16/2012	05/16/12 23:26	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-7R

Lab ID: 1201781-17

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Chloroform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Ethylbenzene	**3900**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Isopropylbenzene	**120**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
m,p-Xylene	**19000**	1000	NA	1000	B2E0466	05/16/2012	05/16/12 23:26	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
n-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
n-Propylbenzene	**370**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Naphthalene	**660**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
o-Xylene	**7700**	500	NA	1000	B2E0466	05/16/2012	05/16/12 23:26	D4
sec-Butylbenzene	**26**	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Toluene	**42000**	500	NA	1000	B2E0466	05/16/2012	05/16/12 23:26	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-7R

Lab ID: 1201781-17

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 07:23	D4
Surrogate: 1,2-Dichloroethane-d4	*95.4 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:26*	
Surrogate: 1,2-Dichloroethane-d4	*86.8 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 07:23*	
Surrogate: 4-Bromofluorobenzene	*122 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:26*	
Surrogate: 4-Bromofluorobenzene	*119 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 07:23*	
Surrogate: Dibromofluoromethane	*102 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 07:23*	
Surrogate: Dibromofluoromethane	*108 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:26*	
Surrogate: Toluene-d8	*118 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:26*	
Surrogate: Toluene-d8	*119 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 07:23*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID DUP-1

Lab ID: 1201781-18

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**39**	1.0	NA	20	B2E0503	05/17/2012	05/17/12 23:29	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 23:29*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2,4-Trimethylbenzene	**2800**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,3,5-Trimethylbenzene	**690**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
2-Chlorotoluene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
4-Chlorotoluene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
4-Isopropyltoluene	**60**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Benzene	**140**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Bromobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Bromochloromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Bromodichloromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Bromoform	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID DUP-1

Lab ID: 1201781-18

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Carbon disulfide	ND	100	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Carbon tetrachloride	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Chlorobenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Chloroethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Chloroform	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Chloromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Di-isopropyl ether	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Dibromochloromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Dibromomethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Ethyl Acetate	ND	500	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Ethyl Ether	ND	500	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Ethylbenzene	**2500**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Freon-113	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Isopropylbenzene	**200**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
m,p-Xylene	**8600**	50	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Methylene chloride	ND	50	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
MTBE	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
n-Butylbenzene	**110**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
n-Propylbenzene	**600**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Naphthalene	**660**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
o-Xylene	**3100**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
sec-Butylbenzene	**44**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Styrene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
tert-Butanol	ND	500	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
tert-Butylbenzene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Tetrachloroethene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Toluene	**2600**	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Trichloroethene	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID DUP-1

Lab ID: 1201781-18

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Vinyl acetate	ND	500	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Vinyl chloride	ND	25	NA	50	B2E0466	05/16/2012	05/16/12 23:46	D4
Surrogate: 1,2-Dichloroethane-d4	*90.3 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:46*	
Surrogate: 4-Bromofluorobenzene	*117 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:46*	
Surrogate: Dibromofluoromethane	*99.4 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:46*	
Surrogate: Toluene-d8	*109 %*		*70 - 130*		B2E0466	05/16/2012	*05/16/12 23:46*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-11R

Lab ID: 1201781-19

Gasoline Range Organics by EPA 8015B

Analyst: BB

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**22**	0.50	NA	10	B2E0503	05/17/2012	05/17/12 23:51	
Surrogate: 4-Bromofluorobenzene	*97.0 %*	*70 - 130*			B2E0503	05/17/2012	*05/17/12 23:51*	

Volatile Organic Compounds by EPA 8260

Analyst: DC

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1,1-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1,2,2-Tetrachloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1,2-Trichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,1-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2,3-Trichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2,3-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2,4-Trichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2,4-Trimethylbenzene	**2500**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2-Dibromo-3-chloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2-Dibromoethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2-Dichloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,3,5-Trimethylbenzene	**760**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,3-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,3-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
1,4-Dichlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
2,2-Dichloropropane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
2-Chloroethyl vinyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
2-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
4-Chlorotoluene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
4-Isopropyltoluene	**58**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Benzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Bromobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Bromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Bromodichloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Bromoform	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-11R

Lab ID: 1201781-19

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Carbon disulfide	ND	100	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Carbon tetrachloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Chlorobenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Chloroethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Chloroform	**40**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Chloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
cis-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
cis-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Di-isopropyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Dibromochloromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Dibromomethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Dichlorodifluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Ethyl Acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Ethyl Ether	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Ethyl tert-butyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Ethylbenzene	**910**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Freon-113	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Hexachlorobutadiene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Isopropylbenzene	**92**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
m,p-Xylene	**5200**	50	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Methylene chloride	ND	50	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
MTBE	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
n-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
n-Propylbenzene	**240**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Naphthalene	**440**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
o-Xylene	**1100**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
sec-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Styrene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
tert-Amyl methyl ether	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
tert-Butanol	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
tert-Butylbenzene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Tetrachloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Toluene	**170**	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
trans-1,2-Dichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
trans-1,3-Dichloropropene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Trichloroethene	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Client Sample ID MW-11R

Lab ID: 1201781-19

Volatile Organic Compounds by EPA 8260 **Analyst: DC**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Trichlorofluoromethane	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Vinyl acetate	ND	500	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Vinyl chloride	ND	25	NA	50	B2E0448	05/16/2012	05/16/12 08:04	D4
Surrogate: 1,2-Dichloroethane-d4	*73.2 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 08:04*	
Surrogate: 4-Bromofluorobenzene	*101 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 08:04*	
Surrogate: Dibromofluoromethane	*87.1 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 08:04*	
Surrogate: Toluene-d8	*99.5 %*		*70 - 130*		B2E0448	05/16/2012	*05/16/12 08:04*	

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0456 - GCVOAW									
Blank (B2E0456-BLK1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
Gasoline Range Organics	ND	0.05			NR				
Surrogate: 4-Bromofluorobenzene	*0.11*		*0.100*		*108*	*70 - 130*			
LCS (B2E0456-BS1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
Gasoline Range Organics	1.0	0.05	1.00		102	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.11*		*0.100*		*108*	*70 - 130*			
LCS Dup (B2E0456-BSD1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
Gasoline Range Organics	1.1	0.05	1.00		111	70 - 130	8.72	20	
Surrogate: 4-Bromofluorobenzene	*0.11*		*0.100*		*109*	*70 - 130*			
Batch B2E0503 - GCVOAW									
Blank (B2E0503-BLK1)				Prepared: 5/17/2012 Analyzed: 5/17/2012					
Gasoline Range Organics	ND	0.05			NR				
Surrogate: 4-Bromofluorobenzene	*0.083*		*0.100*		*83.4*	*70 - 130*			
LCS (B2E0503-BS1)				Prepared: 5/17/2012 Analyzed: 5/17/2012					
Gasoline Range Organics	1.1	0.05	1.00		108	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.091*		*0.100*		*91.4*	*70 - 130*			
LCS Dup (B2E0503-BSD1)				Prepared: 5/17/2012 Analyzed: 5/17/2012					
Gasoline Range Organics	1.1	0.05	1.00		111	70 - 130	2.19	20	
Surrogate: 4-Bromofluorobenzene	*0.091*		*0.100*		*90.8*	*70 - 130*			
Matrix Spike (B2E0503-MS1)		**Source: 1201772-04**		Prepared: 5/17/2012 Analyzed: 5/17/2012					
Gasoline Range Organics	0.94	0.05	1.00	ND	93.9	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.087*		*0.100*		*87.5*	*70 - 130*			
Matrix Spike Dup (B2E0503-MSD1)		**Source: 1201772-04**		Prepared: 5/17/2012 Analyzed: 5/17/2012					
Gasoline Range Organics	1.0	0.05	1.00	ND	101	70 - 130	6.89	20	
Surrogate: 4-Bromofluorobenzene	*0.086*		*0.100*		*85.8*	*70 - 130*			

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0448 - MSVOAW_LL									
Blank (B2E0448-BLK1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
1,1,1,2-Tetrachloroethane	ND	0.50			NR				
1,1,1-Trichloroethane	ND	0.50			NR				
1,1,2,2-Tetrachloroethane	ND	0.50			NR				
1,1,2-Trichloroethane	ND	0.50			NR				
1,1-Dichloroethane	ND	0.50			NR				
1,1-Dichloroethene	ND	0.50			NR				
1,1-Dichloropropene	ND	0.50			NR				
1,2,3-Trichloropropane	ND	0.50			NR				
1,2,3-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trimethylbenzene	ND	0.50			NR				
1,2-Dibromo-3-chloropropane	ND	0.50			NR				
1,2-Dibromoethane	ND	0.50			NR				
1,2-Dichlorobenzene	ND	0.50			NR				
1,2-Dichloroethane	ND	0.50			NR				
1,2-Dichloropropane	ND	0.50			NR				
1,3,5-Trimethylbenzene	ND	0.50			NR				
1,3-Dichlorobenzene	ND	0.50			NR				
1,3-Dichloropropane	ND	0.50			NR				
1,4-Dichlorobenzene	ND	0.50			NR				
2,2-Dichloropropane	ND	0.50			NR				
2-Chloroethyl vinyl ether	ND	0.50			NR				
2-Chlorotoluene	ND	0.50			NR				
4-Chlorotoluene	ND	0.50			NR				
4-Isopropyltoluene	ND	0.50			NR				
Benzene	ND	0.50			NR				
Bromobenzene	ND	0.50			NR				
Bromochloromethane	ND	0.50			NR				
Bromodichloromethane	ND	0.50			NR				
Bromoform	ND	0.50			NR				
Bromomethane	ND	0.50			NR				
Carbon disulfide	ND	2.0			NR				
Carbon tetrachloride	ND	0.50			NR				
Chlorobenzene	ND	0.50			NR				
Chloroethane	ND	0.50			NR				
Chloroform	ND	0.50			NR				
Chloromethane	ND	0.50			NR				
cis-1,2-Dichloroethene	ND	0.50			NR				
cis-1,3-Dichloropropene	ND	0.50			NR				
Di-isopropyl ether	ND	0.50			NR				
Dibromochloromethane	ND	0.50			NR				

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0448 - MSVOAW_LL (continued)									
Blank (B2E0448-BLK1) - Continued				Prepared: 5/16/2012 Analyzed: 5/16/2012					
Dibromomethane	ND	0.50			NR				
Dichlorodifluoromethane	ND	0.50			NR				
Ethyl Acetate	ND	10			NR				
Ethyl Ether	ND	10			NR				
Ethyl tert-butyl ether	ND	0.50			NR				
Ethylbenzene	ND	0.50			NR				
Freon-113	ND	0.50			NR				
Hexachlorobutadiene	ND	0.50			NR				
Isopropylbenzene	ND	0.50			NR				
m,p-Xylene	ND	1.0			NR				
Methylene chloride	ND	1.0			NR				
MTBE	ND	0.50			NR				
n-Butylbenzene	ND	0.50			NR				
n-Propylbenzene	ND	0.50			NR				
Naphthalene	ND	0.50			NR				
o-Xylene	ND	0.50			NR				
sec-Butylbenzene	ND	0.50			NR				
Styrene	ND	0.50			NR				
tert-Amyl methyl ether	ND	0.50			NR				
tert-Butanol	ND	10			NR				
tert-Butylbenzene	ND	0.50			NR				
Tetrachloroethene	ND	0.50			NR				
Toluene	ND	0.50			NR				
trans-1,2-Dichloroethene	ND	0.50			NR				
trans-1,3-Dichloropropene	ND	0.50			NR				
Trichloroethene	ND	0.50			NR				
Trichlorofluoromethane	ND	0.50			NR				
Vinyl acetate	ND	10			NR				
Vinyl chloride	ND	0.50			NR				
Surrogate: 1,2-Dichloroethane-d4	*25*		*25.0*		*98.4*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*26*		*25.0*		*104*	*70 - 130*			
Surrogate: Dibromofluoromethane	*26*		*25.0*		*102*	*70 - 130*			
Surrogate: Toluene-d8	*26*		*25.0*		*104*	*70 - 130*			
LCS (B2E0448-BS1)				Prepared: 5/15/2012 Analyzed: 5/15/2012					
1,1-Dichloroethene	18	0.50	20.0		91.6	70 - 130			
Benzene	42	0.50	40.0		106	70 - 130			
Chlorobenzene	21	0.50	20.0		107	70 - 130			
MTBE	20	0.50	20.0		102	70 - 130			
Toluene	43	0.50	40.0		106	70 - 130			
Trichloroethene	20	0.50	20.0		100	70 - 130			

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0448 - MSVOAW_LL (continued)									
LCS (B2E0448-BS1) - Continued				Prepared: 5/15/2012 Analyzed: 5/15/2012					
Surrogate: 1,2-Dichloroethane-d4	*23*		*25.0*		*93.0*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*24*		*25.0*		*97.8*	*70 - 130*			
Surrogate: Dibromofluoromethane	*24*		*25.0*		*97.4*	*70 - 130*			
Surrogate: Toluene-d8	*24*		*25.0*		*97.5*	*70 - 130*			
LCS Dup (B2E0448-BSD1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
1,1-Dichloroethene	19	0.50	20.0		94.6	70 - 130	3.28	20	
Benzene	43	0.50	40.0		107	70 - 130	0.963	20	
Chlorobenzene	22	0.50	20.0		108	70 - 130	0.884	20	
MTBE	20	0.50	20.0		102	70 - 130	0.343	20	
Toluene	43	0.50	40.0		107	70 - 130	1.01	20	
Trichloroethene	21	0.50	20.0		104	70 - 130	3.49	20	
Surrogate: 1,2-Dichloroethane-d4	*23*		*25.0*		*91.8*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*25*		*25.0*		*100*	*70 - 130*			
Surrogate: Dibromofluoromethane	*24*		*25.0*		*96.4*	*70 - 130*			
Surrogate: Toluene-d8	*25*		*25.0*		*98.4*	*70 - 130*			
Batch B2E0466 - MSVOAW_LL									
Blank (B2E0466-BLK1)				Prepared: 5/16/2012 Analyzed: 5/16/2012					
1,1,1,2-Tetrachloroethane	ND	0.50			NR				
1,1,1-Trichloroethane	ND	0.50			NR				
1,1,2,2-Tetrachloroethane	ND	0.50			NR				
1,1,2-Trichloroethane	ND	0.50			NR				
1,1-Dichloroethane	ND	0.50			NR				
1,1-Dichloroethene	ND	0.50			NR				
1,1-Dichloropropene	ND	0.50			NR				
1,2,3-Trichloropropane	ND	0.50			NR				
1,2,3-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trimethylbenzene	ND	0.50			NR				
1,2-Dibromo-3-chloropropane	ND	0.50			NR				
1,2-Dibromoethane	ND	0.50			NR				
1,2-Dichlorobenzene	ND	0.50			NR				
1,2-Dichloroethane	ND	0.50			NR				
1,2-Dichloropropane	ND	0.50			NR				
1,3,5-Trimethylbenzene	ND	0.50			NR				
1,3-Dichlorobenzene	ND	0.50			NR				
1,3-Dichloropropane	ND	0.50			NR				
1,4-Dichlorobenzene	ND	0.50			NR				
2,2-Dichloropropane	ND	0.50			NR				

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0466 - MSVOAW_LL (continued)									
Blank (B2E0466-BLK1) - Continued				Prepared: 5/16/2012 Analyzed: 5/16/2012					
2-Chloroethyl vinyl ether	ND	0.50			NR				
2-Chlorotoluene	ND	0.50			NR				
4-Chlorotoluene	ND	0.50			NR				
4-Isopropyltoluene	ND	0.50			NR				
Benzene	ND	0.50			NR				
Bromobenzene	ND	0.50			NR				
Bromochloromethane	ND	0.50			NR				
Bromodichloromethane	ND	0.50			NR				
Bromoform	ND	0.50			NR				
Bromomethane	ND	0.50			NR				
Carbon disulfide	ND	2.0			NR				
Carbon tetrachloride	ND	0.50			NR				
Chlorobenzene	ND	0.50			NR				
Chloroethane	ND	0.50			NR				
Chloroform	ND	0.50			NR				
Chloromethane	ND	0.50			NR				
cis-1,2-Dichloroethene	ND	0.50			NR				
cis-1,3-Dichloropropene	ND	0.50			NR				
Di-isopropyl ether	ND	0.50			NR				
Dibromochloromethane	ND	0.50			NR				
Dibromomethane	ND	0.50			NR				
Dichlorodifluoromethane	ND	0.50			NR				
Ethyl Acetate	ND	10			NR				
Ethyl Ether	ND	10			NR				
Ethyl tert-butyl ether	ND	0.50			NR				
Ethylbenzene	ND	0.50			NR				
Freon-113	ND	0.50			NR				
Hexachlorobutadiene	ND	0.50			NR				
Isopropylbenzene	ND	0.50			NR				
m,p-Xylene	ND	1.0			NR				
Methylene chloride	ND	1.0			NR				
MTBE	ND	0.50			NR				
n-Butylbenzene	ND	0.50			NR				
n-Propylbenzene	ND	0.50			NR				
Naphthalene	ND	0.50			NR				
o-Xylene	ND	0.50			NR				
sec-Butylbenzene	ND	0.50			NR				
Styrene	ND	0.50			NR				
tert-Amyl methyl ether	ND	0.50			NR				
tert-Butanol	ND	10			NR				
tert-Butylbenzene	ND	0.50			NR				
Tetrachloroethene	ND	0.50			NR				

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0466 - MSVOAW_LL (continued)									
Blank (B2E0466-BLK1) - Continued					Prepared: 5/16/2012 Analyzed: 5/16/2012				
Toluene	ND	0.50			NR				
trans-1,2-Dichloroethene	ND	0.50			NR				
trans-1,3-Dichloropropene	ND	0.50			NR				
Trichloroethene	ND	0.50			NR				
Trichlorofluoromethane	ND	0.50			NR				
Vinyl acetate	ND	10			NR				
Vinyl chloride	ND	0.50			NR				
Surrogate: 1,2-Dichloroethane-d4	*26*		*25.0*		*102*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*30*		*25.0*		*119*	*70 - 130*			
Surrogate: Dibromofluoromethane	*28*		*25.0*		*112*	*70 - 130*			
Surrogate: Toluene-d8	*29*		*25.0*		*117*	*70 - 130*			
LCS (B2E0466-BS2)					Prepared: 5/16/2012 Analyzed: 5/16/2012				
1,1-Dichloroethene	18	0.50	20.0		88.7	70 - 130			
Benzene	43	0.50	40.0		106	70 - 130			
Chlorobenzene	22	0.50	20.0		108	70 - 130			
MTBE	22	0.50	20.0		110	70 - 130			
Toluene	43	0.50	40.0		109	70 - 130			
Trichloroethene	20	0.50	20.0		102	70 - 130			
Surrogate: 1,2-Dichloroethane-d4	*23*		*25.0*		*92.0*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*24*		*25.0*		*96.4*	*70 - 130*			
Surrogate: Dibromofluoromethane	*24*		*25.0*		*94.7*	*70 - 130*			
Surrogate: Toluene-d8	*25*		*25.0*		*98.6*	*70 - 130*			
LCS Dup (B2E0466-BSD2)					Prepared: 5/16/2012 Analyzed: 5/16/2012				
1,1-Dichloroethene	17	0.50	20.0		84.4	70 - 130	4.91	20	
Benzene	42	0.50	40.0		104	70 - 130	1.95	20	
Chlorobenzene	21	0.50	20.0		107	70 - 130	0.794	20	
MTBE	22	0.50	20.0		110	70 - 130	0.136	20	
Toluene	42	0.50	40.0		106	70 - 130	2.54	20	
Trichloroethene	20	0.50	20.0		102	70 - 130	0.0489	20	
Surrogate: 1,2-Dichloroethane-d4	*23*		*25.0*		*90.9*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*24*		*25.0*		*97.5*	*70 - 130*			
Surrogate: Dibromofluoromethane	*24*		*25.0*		*95.8*	*70 - 130*			
Surrogate: Toluene-d8	*24*		*25.0*		*97.3*	*70 - 130*			
Matrix Spike (B2E0466-MS2)		**Source: 1201772-04**			Prepared: 5/16/2012 Analyzed: 5/16/2012				
1,1-Dichloroethene	8.0	0.50	20.0	ND	39.8	70 - 130			M2
Benzene	18	0.50	40.0	ND	45.4	70 - 130			M2
Chlorobenzene	9.1	0.50	20.0	ND	45.5	70 - 130			M2
MTBE	8.9	0.50	20.0	ND	44.5	70 - 130			M2

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0466 - MSVOAW_LL (continued)									
Matrix Spike (B2E0466-MS2) - Continued		**Source: 1201772-04**		Prepared: 5/16/2012 Analyzed: 5/16/2012					
Toluene	18	0.50	40.0	ND	45.4	70 - 130			M2
Trichloroethene	8.9	0.50	20.0	ND	44.5	70 - 130			M2
Surrogate: 1,2-Dichloroethane-d4	*26*		*25.0*		*103*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*30*		*25.0*		*120*	*70 - 130*			
Surrogate: Dibromofluoromethane	*28*		*25.0*		*112*	*70 - 130*			
Surrogate: Toluene-d8	*29*		*25.0*		*117*	*70 - 130*			
Matrix Spike Dup (B2E0466-MSD2)		**Source: 1201772-04**		Prepared: 5/16/2012 Analyzed: 5/16/2012					
1,1-Dichloroethene	26	0.50	20.0	ND	130	70 - 130	106	20	R
Benzene	62	0.50	40.0	ND	155	70 - 130	109	20	M2, R
Chlorobenzene	31	0.50	20.0	ND	157	70 - 130	110	20	M2, R
MTBE	34	0.50	20.0	ND	172	70 - 130	118	20	M2, R
Toluene	63	0.50	40.0	ND	158	70 - 130	111	20	M2, R
Trichloroethene	31	0.50	20.0	ND	154	70 - 130	110	20	M2, R
Surrogate: 1,2-Dichloroethane-d4	*22*		*25.0*		*86.5*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*25*		*25.0*		*99.8*	*70 - 130*			
Surrogate: Dibromofluoromethane	*22*		*25.0*		*89.1*	*70 - 130*			
Surrogate: Toluene-d8	*24*		*25.0*		*94.9*	*70 - 130*			
Batch B2E0539 - MSVOAW_LL									
Blank (B2E0539-BLK1)				Prepared: 5/18/2012 Analyzed: 5/18/2012					
1,1,1,2-Tetrachloroethane	ND	0.50			NR				
1,1,1-Trichloroethane	ND	0.50			NR				
1,1,2,2-Tetrachloroethane	ND	0.50			NR				
1,1,2-Trichloroethane	ND	0.50			NR				
1,1-Dichloroethane	ND	0.50			NR				
1,1-Dichloroethene	ND	0.50			NR				
1,1-Dichloropropene	ND	0.50			NR				
1,2,3-Trichloropropane	ND	0.50			NR				
1,2,3-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trimethylbenzene	ND	0.50			NR				
1,2-Dibromo-3-chloropropane	ND	0.50			NR				
1,2-Dibromoethane	ND	0.50			NR				
1,2-Dichlorobenzene	ND	0.50			NR				
1,2-Dichloroethane	ND	0.50			NR				
1,2-Dichloropropane	ND	0.50			NR				
1,3,5-Trimethylbenzene	ND	0.50			NR				
1,3-Dichlorobenzene	ND	0.50			NR				
1,3-Dichloropropane	ND	0.50			NR				

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1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0539 - MSVOAW_LL (continued)									
Blank (B2E0539-BLK1) - Continued				Prepared: 5/18/2012 Analyzed: 5/18/2012					
1,4-Dichlorobenzene	ND	0.50			NR				
2,2-Dichloropropane	ND	0.50			NR				
2-Chloroethyl vinyl ether	ND	0.50			NR				
2-Chlorotoluene	ND	0.50			NR				
4-Chlorotoluene	ND	0.50			NR				
4-Isopropyltoluene	ND	0.50			NR				
Benzene	ND	0.50			NR				
Bromobenzene	ND	0.50			NR				
Bromochloromethane	ND	0.50			NR				
Bromodichloromethane	ND	0.50			NR				
Bromoform	ND	0.50			NR				
Bromomethane	ND	0.50			NR				
Carbon disulfide	ND	2.0			NR				
Carbon tetrachloride	ND	0.50			NR				
Chlorobenzene	ND	0.50			NR				
Chloroethane	ND	0.50			NR				
Chloroform	ND	0.50			NR				
Chloromethane	ND	0.50			NR				
cis-1,2-Dichloroethene	ND	0.50			NR				
cis-1,3-Dichloropropene	ND	0.50			NR				
Di-isopropyl ether	ND	0.50			NR				
Dibromochloromethane	ND	0.50			NR				
Dibromomethane	ND	0.50			NR				
Dichlorodifluoromethane	ND	0.50			NR				
Ethyl Acetate	ND	10			NR				
Ethyl Ether	ND	10			NR				
Ethyl tert-butyl ether	ND	0.50			NR				
Ethylbenzene	ND	0.50			NR				
Freon-113	ND	0.50			NR				
Hexachlorobutadiene	ND	0.50			NR				
Isopropylbenzene	ND	0.50			NR				
m,p-Xylene	ND	1.0			NR				
Methylene chloride	ND	1.0			NR				
MTBE	ND	0.50			NR				
n-Butylbenzene	ND	0.50			NR				
n-Propylbenzene	ND	0.50			NR				
Naphthalene	ND	0.50			NR				
o-Xylene	ND	0.50			NR				
sec-Butylbenzene	ND	0.50			NR				
Styrene	ND	0.50			NR				
tert-Amyl methyl ether	ND	0.50			NR				
tert-Butanol	ND	10			NR				

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1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0539 - MSVOAW_LL (continued)									
Blank (B2E0539-BLK1) - Continued					Prepared: 5/18/2012 Analyzed: 5/18/2012				
tert-Butylbenzene	ND	0.50			NR				
Tetrachloroethene	ND	0.50			NR				
Toluene	ND	0.50			NR				
trans-1,2-Dichloroethene	ND	0.50			NR				
trans-1,3-Dichloropropene	ND	0.50			NR				
Trichloroethene	ND	0.50			NR				
Trichlorofluoromethane	ND	0.50			NR				
Vinyl acetate	ND	10			NR				
Vinyl chloride	ND	0.50			NR				
Surrogate: 1,2-Dichloroethane-d4	*24*		*25.0*		*95.0*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*30*		*25.0*		*118*	*70 - 130*			
Surrogate: Dibromofluoromethane	*27*		*25.0*		*109*	*70 - 130*			
Surrogate: Toluene-d8	*30*		*25.0*		*118*	*70 - 130*			
LCS (B2E0539-BS1)					Prepared: 5/18/2012 Analyzed: 5/18/2012				
1,1-Dichloroethene	17	0.50	20.0		85.6	70 - 130			
Benzene	41	0.50	40.0		104	70 - 130			
Chlorobenzene	21	0.50	20.0		107	70 - 130			
MTBE	21	0.50	20.0		104	70 - 130			
Toluene	42	0.50	40.0		106	70 - 130			
Trichloroethene	20	0.50	20.0		100	70 - 130			
Surrogate: 1,2-Dichloroethane-d4	*21*		*25.0*		*83.8*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*24*		*25.0*		*94.9*	*70 - 130*			
Surrogate: Dibromofluoromethane	*23*		*25.0*		*92.0*	*70 - 130*			
Surrogate: Toluene-d8	*24*		*25.0*		*95.8*	*70 - 130*			
LCS Dup (B2E0539-BSD1)					Prepared: 5/18/2012 Analyzed: 5/18/2012				
1,1-Dichloroethene	17	0.50	20.0		86.8	70 - 130	1.33	20	
Benzene	42	0.50	40.0		105	70 - 130	1.44	20	
Chlorobenzene	22	0.50	20.0		108	70 - 130	1.02	20	
MTBE	21	0.50	20.0		107	70 - 130	3.41	20	
Toluene	43	0.50	40.0		107	70 - 130	0.470	20	
Trichloroethene	20	0.50	20.0		102	70 - 130	1.38	20	
Surrogate: 1,2-Dichloroethane-d4	*21*		*25.0*		*83.7*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*23*		*25.0*		*93.2*	*70 - 130*			
Surrogate: Dibromofluoromethane	*23*		*25.0*		*91.1*	*70 - 130*			
Surrogate: Toluene-d8	*24*		*25.0*		*95.8*	*70 - 130*			
Matrix Spike (B2E0539-MS1)		**Source: 1201761-02**			Prepared: 5/18/2012 Analyzed: 5/18/2012				
1,1-Dichloroethene	20	0.50	20.0	ND	101	70 - 130			
Benzene	46	0.50	40.0	ND	115	70 - 130			

Ninyo & Moore	Project Number : BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400	Report To : Lise Marie Bisson
Oakland , CA 94612	Reported : 06/27/2012

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E0539 - MSVOAW_LL (continued)									
Matrix Spike (B2E0539-MS1) - Continued		**Source: 1201761-02**		Prepared: 5/18/2012 Analyzed: 5/18/2012					
Chlorobenzene	23	0.50	20.0	ND	116	70 - 130			
MTBE	23	0.50	20.0	ND	114	70 - 130			
Toluene	47	0.50	40.0	ND	118	70 - 130			
Trichloroethene	23	0.50	20.0	ND	116	70 - 130			
Surrogate: 1,2-Dichloroethane-d4	*25*		*25.0*		*98.9*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*30*		*25.0*		*121*	*70 - 130*			
Surrogate: Dibromofluoromethane	*27*		*25.0*		*109*	*70 - 130*			
Surrogate: Toluene-d8	*30*		*25.0*		*118*	*70 - 130*			
Matrix Spike Dup (B2E0539-MSD1)		**Source: 1201761-02**		Prepared: 5/18/2012 Analyzed: 5/18/2012					
1,1-Dichloroethene	19	0.50	20.0	ND	94.0	70 - 130	6.99	20	
Benzene	44	0.50	40.0	ND	110	70 - 130	4.09	20	
Chlorobenzene	22	0.50	20.0	ND	112	70 - 130	3.52	20	
MTBE	22	0.50	20.0	ND	108	70 - 130	4.87	20	
Toluene	45	0.50	40.0	ND	112	70 - 130	5.00	20	
Trichloroethene	22	0.50	20.0	ND	110	70 - 130	5.23	20	
Surrogate: 1,2-Dichloroethane-d4	*24*		*25.0*		*94.7*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*30*		*25.0*		*120*	*70 - 130*			
Surrogate: Dibromofluoromethane	*27*		*25.0*		*107*	*70 - 130*			
Surrogate: Toluene-d8	*30*		*25.0*		*118*	*70 - 130*			

Ninyo & Moore		Project Number :	BILL CHUN SERVICE, 401896003
1956 Webster Street, Suite 400		Report To :	Lise Marie Bisson
Oakland , CA 94612		Reported :	06/27/2012

Notes and Definitions

S7	Surrogate recovery was above laboratory acceptance limit. Chromatogram shows high concentration of heavy hydrocarbons.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
D4	Reporting limits adjusted to reflect sample amount analyzed.
ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print): _____

Signature: _____

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☑ GSO ☐ Other: _____

5.C

Sample Condition Upon Receipt

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

Client: NINYO & MOORE
Attn: LISE BISSON
Address: 1956 WEBSTER ST., STE. 400
City: OAKLAND State: CA Zip Code: 94612
TEL: 510-343-3000
FAX:

Project Name: BILL CHUN SERVICE Project #: 401896003 Sampler: (Printed Name) Jake Wilson (Signature)

Relinquished by: (Signature and Printed Name)	Date: 5/11/12	Time: 310	Received by: (Signature and Printed Name)	Date: 5/11/12	Time: 310
Relinquished by: (Signature and Printed Name) Jeff Siegfried	Date: 5/11/12	Time: 400	Received by: (Signature and Printed Name) GSO	Date: 5/11/12	Time: 400
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 5/12/12	Time: 816

Bill To:
Attn: LISE BISSON E-mail:
Company: NINYO & MOORE
Address:
City: State: Zip:

Send Report To:
Attn: LISE BISSON E-mail:
Company: NINYO & MOORE
Addrress:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
Hardcopy Reports $17.50 per report.

CIRCLE or Write IN Analyses Needed

CIRCLE APPROPRIATE MATRIX

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260-624 (Volatiles) + OXY	8015B (GRO) [redacted]	TO-15 / TO-14 / TO-3 / RSK-175	8270B-625(BNA) / 8310(PAHs)	8015B(DRO)/8015B(HCID)	8081 OrgCl / 8141 OrgPO4 Pest	8082 PCBs	6010B-200.7 CAM Metals	6010B-200.7 Metals	6020B-200.8-1640 Metals	7199-218.6 (Hex. Chromium)	300(Anions) / 314 (Perchlorate)	SOIL/SEDIMENT/SLUDGE	SOLIDS/WIPES/FILTERS	WATER-DRINKING/GROUND	WATER-STORM/WASTE	AQUEOUS/LAYERED-OIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	1201791-01	MW-10	5-10	1130	X	X											X					5day	3		1	
2	-02	MW-9		1140																						
3	-03	MW-8		1150																						
4	-04	MW-4R		1240																						
5	-05	MW-12		1250																						
6	-06	MW-16		~~1300~~ 1330																						
7	-07	MW-13		1430																						
8	-08	MW-14		1515																						
9	-09	MW-15		1630																						
10	-10	EW-16	↓	1645 1640	↓	↓											↓					↓	↓		↓	

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode____ OTHER ____

Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.

Weekend, Holiday, Off Hours Work ASK for QUOTE

Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7= Canister

Material: 1=Glass 2=Plastic 3=Metal

Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM	10% DISCOUNT 10th BUSINESS DAY 5:30 PM

For RUSH TCLP/STLC, add 2 days to respective TAT.

Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print): _____

Signature: _____

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt

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

Client: NINYO & MOORE | Address: 1956 WEBSTER ST., STE. 400 | TEL: 510-343-3060
Attn: LISE BISSON | City: OAKLAND State: CA Zip Code: 94612 | FAX:

Project Name: BILL CHUN SERVICE Project #: 401846063 Sampler: (Printed Name) Jake Wilson (Signature)

Relinquished by: (Signature and Printed Name)	Date: 5-11-12	Time: 310p	Received by: (Signature and Printed Name) Jeff Siegfried	Date: 5/11/12	Time: 310p
Relinquished by: (Signature and Printed Name) Jeff Siegfried	Date: 5/11/12	Time: 400p	Received by: (Signature and Printed Name) GSO	Date: 5/11/12	Time: 400p
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date: 5/12/12	Time: 816

Bill To: Attn: LISE BISSON E-mail: Company: N&M Address: City: State: Zip:

Send Report To: Attn: LISE BISSON E-mail: Company: N&M Addrress: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
Hardcopy Reports $17.50 per report.

CIRCLE or Write IN Analyses Needed

CIRCLE APPROPRIATE MATRIX

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260-624 (Volatiles) + oxy	8015B (GRO) ~~+ oxy~~	TO-15 / TO-14 / TO-3 / RSK-175	8270B-625(BNA) / 8310(PAHs)	8015B(DRO)/8015B(HCID)	8081 OrgCl / 8141 OrgPO4 Pest	8082 PCBs	6010B-200.7 CAM Metals	6010B-200.7 Metals	6020B-200.8-1640 Metals	7199-218.6 (Hex. Chromium)	300(Anions) / 314 (Perchlorate)	SOIL/SEDIMENT/SLUDGE	SOLIDS/WIPES/FILTERS	WATER-DRINKING/GROUND	WATER-STORM/WASTE	AQUEOUS/LAYERED-OIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	1201781-11	EW-14	5/10/12	1615	X	X											X					5-day	3		1	
2	12	MW-6R		1505																						
3	13	MW-5R		1445																						
4	14	EW-17		1705																						
5	15	EW-15		1710																						
6	16	MW-2R		1600																						
7	17	MW-7R		1650																						
8	18	~~MW-17~~ DUP-1																								
9		~~MW-6~~ No Sample																								No Sample
10	19	MW-11		1745																						

Q A / Q C: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode____ OTHER _____

☐ Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.

Weekend, Holiday, Off Hours Work ASK for QUOTE

Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7= Canister

Material: 1=Glass 2=Plastic 3=Metal

Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM	10% DISCOUNT 10th BUSINESS DAY 5:30 PM

For RUSH TCLP/STLC, add 2 days to respective TAT.

Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

Carmen Aguila

From: Rachelle Arada [rachelle@atlglobal.com]
Sent: Tuesday, May 15, 2012 8:27 AM
To: Carmen Aguila
Cc: customer.relations
Subject: FW: Chun's Service Station

From: Jake Wilson [mailto:jwilson@ninyoandmoore.com]
Sent: Monday, May 14, 2012 5:30 PM
To: rachelle@atlglobal.com
Subject: Chun's Service Station

Hi Rachelle,

I got a message today from Margot saying that a label did not quite match up with the COC. The correct sample I.D. is MW-11R.

- Jake