2014 BASELINE GROUNDWATER MONITORING REPORT

DUAL SITE GROUNDWATER OPERABLE UNIT
MONTROSE CHEMICAL AND
DEL AMO SUPERFUND SITES
LOS ANGELES, CALIFORNIA

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ABBREVIATIONS AND ACRONYMS

COCs	constituents of concern
DO	dissolved oxygen
Fe^{+++}	ferric iron
Fe^{++}	ferrous iron
GC/MS	gas chromatography/mass spectrometry
K	hydraulic conductivity
i	gradient
IR	infrared
LBF	Lower Bellflower Aquitard
MACP	Monitoring and Aquifer Compliance Plan
MBFB	Middle Bellflower B Sand
MBFC	Middle Bellflower C Sand
MBFM	Middle Bellflower Mud
µg/l	micrograms per liter
MSL	mean sea level
n	effective porosity
ORP	oxidation reduction potential
OU	Operable Unit
pCBSA	para-chlorobenzene sulfonic acid
PCE	tetrachloroethene
QA/QC	Quality Assurance/Quality Control
ROD	Record of Decision
TBA	tertiary butyl alcohol
TCE	trichloroethene
TI	technical impracticability
UBF	Upper Bellflower
USEPA	U.S. Environmental Protection Agency
V	flow velocity
VOCs	volatile organic compounds

EXECUTIVE SUMMARY

Presented in this document are the results of 2014 Baseline Groundwater Monitoring Event completed in September 2014 for the Del Amo portion of the Dual Groundwater Operable Unit Site (hereafter referred to as "the Site"). Activities were conducted in accordance with the Monitoring and Aquifer Compliance Plan (MACP) submitted to the U.S. Environmental Protection Agency (USEPA) on September 5, 2014. The monitoring program is being conducted to generate groundwater elevation and laboratory analytical data by which to evaluate the extent of the contaminant plume associated with the Site and confirm that biodegradation and containment of the plume is occurring.

The Del Amo Superfund Site is a former synthetic rubber plant that was located on approximately 280 acres near the intersection of the 405 and 110 freeways in the Harbor Gateway portion of Los Angeles, California. The Site and the neighboring Montrose Superfund site to the west have unrelated histories. USEPA has defined groundwater across the two superfund sites as a Dual Site.

Benzene and ethylbenzene are the groundwater constituents of concern (COC) associated with the Site, although the Site is not the sole source of these COCs in the vicinity. Groundwater COCs associated with the Montrose Superfund site include chlorobenzene, DDT, para-chlorobenzene sulfonic acid (pCBSA), and benzene, while other sites in the vicinity are sources of trichloroethene (TCE), and tetrachloroethene (PCE).

The USEPA designated a TI-Waiver Zone in the Dual Site Record of Decision (ROD) where remediation of groundwater to in-situ groundwater standards is not required. In the vicinity of the Site, the extent of the TI-Waiver zone was based on the known extent of the benzene plume at that time. The benzene plume remedy, as outlined in the ROD, consists primarily of monitored intrinsic biodegradation. The remedy for the chlorobenzene plume associated with the Montrose site is hydraulic extraction, which includes a system of extraction wells, groundwater treatment facilities, injection wells and associated piping, collectively referred to as the Torrance Groundwater Remediation System (TGRS).

The following observations are presented based on the data gathered during the 2014 Baseline Groundwater Monitoring Event:

- Groundwater elevations in all hydrostratigraphic units decreased by an average of 0.57 feet since the previous monitoring event in 2012. This drop in water levels is in contrast to the long-term trend of rising groundwater levels in the Dual Site vicinity.
- The groundwater flow direction and average hydraulic gradient for the four water-bearing units are generally consistent with historical data.
- Water table data confirmed the following:

- Non-Aqueous Phase Liquid (NAPL) has historically been present in the Site Water Table wells XMW-20, SWL0001 and MBFB well SWL0032, which are all located near the western Site boundary. NAPL was observed in well SWL0032 during the recent monitoring event (monitor wells XMW-20 and SWL0001 were not gauged during this monitoring event).
- NAPL was detected at well PZL019 during the recent monitoring event. Well PZL019 is located in the western end of the Waste Pits OU and NAPL had not previously been observed in this well.
- The dissolved benzene distribution is generally consistent with historical data although a reduction in concentrations and distribution is evident at the Waste Pits OU. Based on review of chlorobenzene analytical laboratory results, the dissolved benzene concentrations observed in the southwest corner of the Site and on the Montrose site are not associated with historical Site operations.
- Dissolved benzene known to be associated with the Site is entirely within the TI-Waiver Zone. The origin of benzene detected at well PZL0005 in the northeast corner in 2008 (17 µg/l) is unknown, but may originate from off-site given the southwesterly direction of groundwater flow in this area. Benzene was not detected at this location in any previous monitoring events and the anomalous result from 2008 will be further evaluated by sampling this well during the 6-month after TGRS start-up sampling event.
- Mann-Kendall statistical analysis identified 13 wells with a trend of decreasing benzene concentrations through time and no wells with a trend of increasing concentrations. Additionally, benzene was not detected or detected at concentrations less than the MCL (< 1 µg/l) at 32 of the 47 wells sampled. Based on these findings, the dissolved benzene plume is stable to decreasing.
- Biodegradation indicators confirmed that both aerobic and anaerobic biodegradation processes are occurring. These data combined with the dissolved benzene concentration trends confirm that the monitored intrinsic biodegradation remedial approach identified in the ROD is appropriate.

- MBFB data confirmed the following:
  - The dissolved benzene distribution is generally consistent with historical data and the dissolved benzene plume is entirely within the TI-Waiver Zone. Based on review of chlorobenzene analytical laboratory results, the dissolved benzene concentrations observed in the southwest corner of the Site and on the Montrose site are not associated with historical Site operations.
  - Mann-Kendall statistical analysis identified no wells with a trend of decreasing benzene concentrations through time, and one well with a trend of increasing benzene concentrations. Benzene was not detected or detected at concentrations below the MCL (< 1 µg/l) at 12 of the 15 wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.

  - Biodegradation indicators confirmed that both aerobic and anaerobic biodegradation processes are occurring. These data combined with the dissolved benzene concentration trends confirm that the monitored intrinsic biodegradation remedial approach identified in the ROD is appropriate.
- MBFC Sand data confirmed the following:
  - The dissolved benzene distribution is generally consistent with historical data. Dissolved benzene concentrations tend to be lower than in the overlying water table and MBFB water-bearing units, and the dissolved benzene plume associated with the Site is entirely within the TI-Waiver Zone. Based on review of chlorobenzene analytical laboratory results, the dissolved benzene concentrations in the southwest corner of the Site and on the Montrose site are associated with historical Montrose operations and not historical Site operations.
  - Mann-Kendall statistical analysis identified two wells with a trend of decreasing benzene concentrations through time and no wells with a trend of increasing benzene concentrations. Benzene was not detected or detected at concentrations less than the MCL (< 1 µg/l) at 10 of the 16 wells sampled. Based on these findings, the dissolved benzene plume is stable to decreasing.
- Gage Aquifer data confirmed the following:
  - The dissolved benzene distribution is generally consistent with historical data. The dissolved benzene concentrations and distribution are generally lower than in the overlying water table, MBFB and MBFC units. Based on review of chlorobenzene analytical laboratory results, the dissolved benzene concentrations observed in the southwest corner of the Site and on the Montrose site are not associated with historical Site operations.
  - Wells SWL0066 and SWL0063 were not constructed until after the ROD was completed; therefore, the dissolved benzene plume associated with these wells is located outside of the TI-Waiver Zone indicated in the ROD. However, the extent of the plume is limited and future analytical laboratory testing will be utilized to monitor the benzene concentration trends and extent of the plume.
  - Mann-Kendall statistical analysis did not identify any wells with trends of either increasing or decreasing benzene concentrations through time. Benzene was not detected or detected at concentrations less than the MCL (< 1 µg/l) at 3 of the 5 wells sampled. Based on this analysis/data, the dissolved benzene plume is stable to decreasing

Based on the findings summarized above, the following recommendations are made:

HSU	Well	Recommendation	Rationale
Water Table	PZL0002	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0003	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0004	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0005	Gauge and sample well in 6-month event	Further evaluate anomalous benzene detection in 2008 sampling event
	PZL0008	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0015	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0017	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0019	Continue gauging	NAPL present
	SWL0012	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0015	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0028	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0039	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0049	Transfer to Montrose	Not necessary for monitoring of Del Amo benzene plume
	SWL0057	Destroy well	Established history of benzene concentrations below the MCL
MBFB	SWL0011	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0019	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0052	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0056	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
MBFC	SWL0014	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0033	Transfer to Montrose	Contaminants present not associated with Del Amo Site
LBF	SWL0043	Destroy well	Not screened in major HSU; no history of benzene concentrations in excess of MCL
Gage	SWL0031	Previously destroyed by PACCAR	
	SWL0034	Transfer to Montrose	Contaminants present not associated with Del Amo Site
	SWL0067	Transfer to TCE parties	Established history of benzene concentrations below the MCL; TCE present not associated with Del Amo Site

1.0 INTRODUCTION AND BACKGROUND

Presented in this document are the results of groundwater monitoring completed in September 2014 for the Del Amo Superfund Site (hereafter referred to as "the Site"). The groundwater monitoring was conducted in accordance with the Monitoring and Aquifer Compliance Plan (MACP) prepared by URS on behalf of Shell Oil Company (URS, 2014) and submitted to the U.S. Environmental Protection Agency on September 5, 2014. Both the monitoring event and the MACP were completed in response to USEPA requests pending negotiation and execution of a Consent Decree for operation and maintenance of the groundwater remedy specified in USEPA's 1999 Record of Decision (ROD) for the Dual Site Groundwater Operable Unit (OU), Montrose Chemical and Del Amo Superfund sites. A separate MACP and monitoring event were completed for the Montrose Superfund Site by AECOM.

The 2014 Baseline Groundwater Monitoring Event focused on the measurement of groundwater levels and the collection of groundwater samples for laboratory analysis. The field work described herein was conducted contemporaneously with similar groundwater monitoring efforts completed for the Montrose site and other nearby sites by other consultants.

The Site is a former synthetic rubber plant that was located on approximately 280 acres near the intersection of the 405 and 110 freeways in the Harbor Gateway portion of Los Angeles, California (Figure 1). The Del Amo and Montrose Superfund sites have unrelated histories but have historically been considered a Dual Site by USEPA with respect to the Groundwater OU and associated remedial design investigations.

Benzene is the principal groundwater constituent of concern (COCs) associated with the Site, although the Site is not the sole source of benzene in the vicinity. Groundwater COCs associated with the Montrose Superfund site include chlorobenzene, DDT, para-chlorobenzene sulfonic acid (pCBSA) and benzene. Multiple groundwater contamination sources are present in the vicinity of the Dual Site, some of which are unrelated to either the Del Amo or Montrose sites and are associated with releases of trichloroethene (TCE), and tetrachloroethene (PCE).

USEPA designated a technical impracticability zone (TI-Waiver Zone; also referred to as the containment zone) in the Dual Site ROD where remediation of groundwater to in-situ groundwater standards is not required. In the vicinity of the Site, the TI-Waiver Zone was based on the known extent of the benzene plume at the time the ROD was written.

2.0 PURPOSE AND SCOPE

2.1 PURPOSE

The MACP includes baseline, 6-month, 1-year, year 2+ annual, and 5-year groundwater monitoring events. The objective of the baseline event is to establish groundwater conditions prior to start-up of the Montrose TGRS. The 6-month and 1-year events are one-time events to evaluate changes in conditions in the initial period following start-up of the treatment system. The subsequent year 2+ annual events have a reduced scope, and are intended to provide longer term confirmation of plume containment, while the 5-year event provides a more comprehensive check on remedy performance. Based on these objectives, the baseline and 5-year events are very similar in scope, as are the 6-month and 1-year events. The monitoring program for each event is summarized in Table 1.

The MACP is evergreen and based on potential changes in hydraulic gradients, COC concentration distribution, and biodegradation indicator results, modifications to the testing program included in the MACP may be required in the future.

The monitoring program is being conducted to generate groundwater elevation and laboratory analytical data by which to evaluate the extent of the COC plume associated with the Site and confirm that biodegradation and containment of the plume is occurring. ROD requirements pertaining to the MACP and the Site include the following:

- Collection of groundwater elevation data sufficient to generate elevation contour maps, evaluate hydraulic gradients, determine flow velocities and evaluate the effect of hydraulic extraction for the affected hydrostratigraphic units;
- Evaluation of the lateral and vertical distribution and movement of COCs, particularly with respect to benzene; and
- Confirmation that COCs have not migrated outside the TI-Waiver Zone and that intrinsic biodegradation remains a reliable method for containment of the Site benzene plume.

2.2 SCOPE

The Baseline Groundwater Monitoring Event was completed to establish groundwater conditions in the vicinity of the Site prior to the start-up of the Montrose TGRS. The following tasks were completed as part of the investigation:

- Measurement of groundwater levels at 88 monitoring wells;
- Purging, field parameter measurement, and collection of groundwater samples at 85 monitoring wells;

- Laboratory analysis of groundwater samples from 85 wells for volatile organic compounds (VOCs);
- Laboratory analysis of groundwater samples from 20 wells for tertiary butyl alcohol (TBA);
- Laboratory analysis of groundwater samples from 21 wells for biodegradation indicators;
- Laboratory analysis of Quality Assurance/Quality Control (QA/QC) samples to aid in subsequent evaluation of data quality; and
- Evaluation of the data and preparation of this report.

Monitoring wells included in the Baseline Groundwater Monitoring Event are listed in Table 1 along with their location-specific scope and analytical program.

Field activities were completed in general accordance with the previously prepared and USEPA-approved Field Sampling Plan and Quality Assurance Project Plan (URS, 2004). Further details regarding the completed scope of work and results are provided in Sections 4, 5, and 6.

3.0 HYDROSTRATIGRAPHY REVIEW

The subsurface in the vicinity of the Dual Site OU includes the Bellflower Aquitard and the underlying Gage and Lynwood aquifers. The Bellflower Aquitard is subdivided into the Upper Bellflower (UBF), Middle Bellflower B Sand (MBFB), Middle Bellflower Mud (MBFM), Middle Bellflower C Sand (MBFC), and the Lower Bellflower Aquitard (LBF). A schematic diagram showing the relative positions of the hydrostratigraphic units is presented on Figure 2.

The Site monitoring well network targets the primary water-bearing units which are limited to the UBF, MBFB, MBFC and the Gage Aquifer. The upper most hydrostratigraphic unit is the UBF, with an average thickness of 74 feet in the Site vicinity. This unit consists of laminated to massive muds up to 30 feet thick with local discontinuous sands and fossiliferous zones. The MBFB is a fine sand with minor muddy layers and laminations. This unit is present only in the western portion of the Site and has an average thickness of 15 feet that tapers out toward the central portion of the Site. The MBFC is a thick body of fine to medium sand with local muddy layers and lenses with an average thickness of approximately 43 feet. The MBFB and MBFC are merged over a significant portion of the Site (i.e. the intervening MBFM is not always present). The Gage aquifer averages 66 feet thick, consisting of massive to cross-stratified clean sands and a distinctive fossiliferous layer.

4.0 GROUNDWATER ELEVATIONS AND FLOW

Groundwater level measurements for the Site were generally completed between September 2 and 4, 2014 using an electronic water level indicator or interface probe. Measurements for eight wells were completed on September 9 and 25, 2014 due to a delay in gaining property access. Depth to groundwater measurements were converted to groundwater elevations relative to mean sea level (MSL) using surveyed elevations for fixed measuring points at each monitoring location. Groundwater elevation data are presented in Table 2 and include data generated by other investigators for the Montrose site, as well as historical groundwater elevation data for comparison. Groundwater elevations in all hydrostratigraphic units decreased by an average of 0.57 feet since the previous monitoring event in 2012. This drop in water levels is in contrast to the long-term trend of rising groundwater levels in the Site vicinity. The data for each hydrostratigraphic unit are further discussed below.

Due to the east-northeasterly inclination of the hydrostratigraphic units, the Water Table is present in the UBF over most of the Site but in the MBFB further west (Figure 2). For presentation purposes, groundwater elevations and dissolved benzene plumes are presented with respect to the Water Table, MBFB, MBFC and Gage Aquifer and the Water Table and MBFB units are therefore identical in the western portion of the Site and further west.

4.1 WATER TABLE

Figure 3 presents interpretive groundwater elevation contours for the Water Table during the recent monitoring event. Water Table elevations within the Site ranged from a high of -8.56 feet MSL at well SWL0038 in the northwest corner, to a low of -10.57 feet MSL at well XMW-28, near the southwest corner. Water Table elevations were on average approximately 0.60 feet lower than those for the previous monitoring event in 2012.

The water table flow direction is generally southwesterly at an average gradient of 0.0006, but is highly variable. The average flow velocity is calculated as follows:

$$V = K(i) / n$$

Where V = flow velocity
K = hydraulic conductivity = 3.0 feet/day
i = gradient = 0.0006 (unitless)
n = effective porosity = 0.15 (unitless)

Values for K and n are consistent with those used in the Groundwater Remedial Investigation Report (Dames & Moore, 1998) and are based on previously completed constant discharge/slug

testing and physical testing of numerous UBF soil samples, respectively. Using the above values, the water table flow velocity is calculated to be approximately 0.01 feet/day or 4.4 feet/year.

4.2 MIDDLE BELLFLOWER B SAND

Groundwater elevations and contours for the MBFB are presented on Figure 4. Groundwater elevations within the Site ranged from a high of -9.86 feet MSL at well SWL0003 (coordinates E4 on Figure 4) to a low of -10.93 feet MSL at well SWL0060 (coordinates J7). MBFB groundwater elevations were on average approximately 0.55 feet lower than for the previous 2012 monitoring event.

Based on the contours presented on Figure 4, groundwater flow in the MBFB is interpreted to be southeasterly in the vicinity of the Site at an average gradient of 0.0005. The average flow velocity calculated using the method outlined above (K = 20 feet/day; n = 0.15) is approximately 0.07 feet/day or 24 feet/year.

4.3 MIDDLE BELLFLOWER C SAND

MBFC groundwater elevations and contours are presented on Figure 5. MBFC groundwater elevations within the Site ranged from -9.95 feet MSL at well SWL0065 (coordinates F5) to -10.98 feet MSL at well SWL0040 (coordinates G7). Groundwater elevations were on average approximately 0.71 feet lower than for the previous 2012 monitoring event.

Groundwater flow in the MBFC is toward the south to south-southeast, under an average hydraulic gradient of approximately 0.0007. This flow direction is similar to that for the previous 2012 monitoring event. The average flow velocity calculated using the method outlined above (K = 163 feet/day; n = 0.15) is approximately 0.76 feet/day or 280 feet/year.

4.4 GAGE AQUIFER

Groundwater elevations and contours for the Gage aquifer are presented on Figure 6. Groundwater elevations within the Site ranged from -11.83 feet MSL at well XG-06 (coordinates C7) to -13.39 feet MSL at well SWL0022 (coordinates G7). Groundwater elevations were on average 0.10 feet lower than for the previous 2012 monitoring event.

Groundwater flow in the Gage is interpreted to be toward the east under an average hydraulic gradient of approximately 0.0006. Historically, the flow direction has been southeasterly. No significant change in the gradient has occurred. The average flow velocity is approximately 0.14 feet/day or 52 feet/year (K = 31 feet/day; n = 0.13).

4.5 HYDRAULIC HEAD

Data for co-located wells completed in different hydrostratigraphic units indicate that water levels are generally lower in successively deeper hydrostratigraphic units. Representative groundwater elevations for co-located wells completed in different hydrostratigraphic units can be compared in the following table:

Well Cluster Location	HSU	Well	2014 Groundwater Elevation (ft. MSL)
Western Plant Site Boundary	Water Table	PZL0016	-9.51
	MBFB	SWL0029	-10.03
	MBFC	SWL0030	-10.15
	Gage	SWL0031	Not available
Central Plant Site, Francisco St.	Water Table	SWL0016	-9.57
	MBFB	SWL0037	-10.31
	MBFC	SWL0035	-10.08
	Gage	SWL0036	-13.16
East of Plant site, Figueroa St.	Water Table	SWL0009	-7.42
	MBFB/C	SWL0010	-11.12
	Gage	SWL0025	-13.43

For a given location, water levels in the Water Table, MBFB, and MBFC are typically within a few feet of each other, while the level in the Gage is typically an additional two to four feet lower than the MBFC. The generally decreasing water levels with depth indicate a downward hydraulic gradient.

5.0 NON-AQUEOUS PHASE LIQUID

Non-Aqueous Phase Liquid (NAPL) has historically been present in Site Water Table wells XMW-20, SWL0001, and MBFB well SWL0032, which are all located in close proximity to each other near the western Site boundary. NAPL was observed in well SWL0032 with a thickness of 2.33 feet during the recent monitoring event (monitor wells XMW-20 and SWL0001 were not gauged during this monitoring event). Historical data indicates the NAPL near the western Site boundary to be composed almost entirely of benzene.

A viscous, black NAPL was detected at well PZL019 during the recent monitoring event with a thickness of 1.65 feet. Well PZL019 is located in the western end of the Waste Pits OU (coordinates E7 on Figure 7). The dissolved benzene concentration reported for the last groundwater monitoring event (December 2011) was 250,000 µg/l at this location (Table 3) but NAPL has never been previously observed. In accordance with Table 1 of the MACP, this well is included as part of the Waste Pits OU Performance Monitoring Program and will be discussed in more detail in the 2014 Waste Pit OU Annual Report.

6.0 GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

6.1 SAMPLING AND ANALYTICAL METHODS

Groundwater samples for the recent monitoring event were collected between September 4 and 25, 2014. With the exception of well SWL0047, sampling and purging of each well was completed using a low-flow submersible pump and attached polyethylene tubing. For wells without dedicated pumps and tubing, a cleaned, temporary pump and new, disposable tubing was used. Well SWL0047 was observed to have oily debris in the well box and was therefore macro-purged to ensure formation water was sampled and minimize the potential for impacts from the surface contamination.

Water quality parameters, including pH, temperature, electrical conductivity, turbidity, oxidation reduction potential (ORP), and dissolved oxygen (DO) were measured and documented in the field during purging using a calibrated, multi-parameter water quality meter and are available upon request. Purging was conducted at a rate ranging from 200 to 400 milliliters per minute and continued until three consecutive measurements were within 10% of each other.

Purge water was stored in a temporary tank located at the Waste Pit OU pending waste profiling to determine appropriate off-site disposal. The purge water was subsequently transported by American Integrated Services as hazardous waste to Evoqua Water Technologies in Vernon, California for treatment and recycling. The waste disposal manifest is provided in Appendix A.

Samples were collected to be free of headspace in pre-cleaned, laboratory-supplied containers appropriate for the analyses to be completed. Samples were labeled immediately after collection and temporarily stored in a cooled ice chest pending same-day transport to the analytical laboratory under chain-of-custody protocol.

All groundwater sample analyses were completed by Eurofins Calscience of Garden Grove, California. VOCs, including TBA, were analyzed using USEPA Method 8260B. Biodegradation indicator analyses performed by the laboratory included tests for methane by RSK-175M, ferrous iron by SM 3500-FeB, sulfate and nitrate by USEPA Method 300.0, total alkalinity by SM 2320B, and carbon dioxide by SM4500-CO2D.

6.2 OVERVIEW AND DATA PRESENTATION FORMAT

Groundwater analytical results are discussed below for the Water Table, MBFB, MBFC and Gage units. Discussion of VOC concentrations and plume distributions is limited to concentrations associated with the Site and is focused on benzene, the principal groundwater

COC associated with the Site based on its distribution, magnitude of concentrations, and relative toxicity.

Table 3 presents a time-series summary of detected analytes for wells in the Site vicinity. The table is limited chronologically to the data generated since the 2006 comprehensive monitoring event through the recent 2014 event. Comprehensive reporting of analytical data for the recent monitoring event is presented electronically in Appendix B.

The dissolved benzene plumes and associated concentration data from the 2014 Baseline Sampling Event for the Water Table, MBFB, MBFC and Gage hydrostratigraphic units are presented on Figures 7, 8, 9, and 10 respectively. These figures include data collected by URS for the Site MACP as well as data collected by other investigators. Where 2014 data is not available, the most recent historical data is presented, dating back to a comprehensive monitoring event conducted in 2006. Sampling locations with current data are distinguished from those with historical data by the well symbol, as indicated in the legend for each figure.

The ROD defines the benzene plume as "*the portion of the distribution of benzene in groundwater at the Joint Site that is not comingled with chlorobenzene. Put another way, the benzene plume is that benzene within the Joint Site that lies outside of the chlorobenzene plume…*". The dissolved benzene plumes presented in the figures are based on this ROD definition, and illustrate the extent of benzene associated with historical releases from the Site. While benzene concentration data are presented on the figures for the area within the ROD-defined chlorobenzene plume, the benzene within this area is not attributed to the Site, and no isoconcentration lines or additional interpretation of these data is provided. Similarly, benzene present in other off-site plumes that are clearly discontinuous from the Site are also not associated with the Site and are not interpreted.

6.3 BENZENE DISTRIBUTION

6.3.1 Water Table

The interpreted Water Table dissolved benzene distribution is presented on Figure 7. The dissolved benzene distribution is generally consistent with historical data. Beginning with the previous 2012 monitoring event and continuing through the recent monitoring event, the dissolved benzene plume in the vicinity of the Waste Pits OU is significantly reduced relative to historical events.

Dissolved benzene known to be associated with the Site is entirely within the TI-Waiver Zone. The benzene detection at well PZL0005 at the northeastern Site boundary (17 µg/l in 2008) is outside the TI-Waiver Zone, but its origin is unknown. Benzene was not detected at this location in the previous nine sampling events between March of 1993 and February of 1996. Given this history and the location of the well along the hydrologically upgradient side of the

plant site, the detected benzene may be associated with an off-site source rather than the Site, or the 2008 result may be anomalous. Based on this uncertainty, PZL0005 will be sampled during the 6-month after TGRS start-up monitoring event to allow further evaluation.

As reflected on Figure 7, dissolved benzene concentrations in the southwest corner of the Site and on the Montrose site are not associated with historical Site operations based on the coincident presence of chlorobenzene and chlorinated solvents.

To assess benzene concentration trends at the Site, a Mann-Kendall analysis was completed. Mann-Kendall is a non-parametric method, meaning that there is no assumption of a statistical distribution (e.g., normal distribution). Most groundwater data is not distributed normally, due to left censoring (no values recorded below the detection limit) and the occasional very high concentration, orders of magnitude above the detection limit. Mann-Kendall statistical analysis was performed for wells with a history of benzene detections since initiation of groundwater monitoring activities. The analysis was completed for both the short term (last 8 sampling events) and long term (last 16 sampling events). Wells for which trends of increasing or decreasing benzene concentrations were identified are indicated below. For all other wells, a trend was either not identified or there was insufficient data for analysis. Historical data spreadsheets, concentration trend plots, and results pertaining to the Mann-Kendall analysis are provided in Appendix C.

Short Term Trends		**Long Term Trends**	
Decreasing Concentrations	**Increasing Concentrations**	**Decreasing Concentrations**	**Increasing Concentrations**
PZL0009		PZL0020	none
PZL0011		SWL0008	
PZL0013			
PZL0020			
PZL0026			
SWL0003			
SWL0004			
SWL0008			
SWL0044			
SWL0051			
XMW-04HD			
XMW-28			
XMW-29			

Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 32 of the 47 wells sampled. Based on these findings, the dissolved benzene plume is stable to decreasing.

6.3.2 Middle Bellflower B Sand

MBFB benzene data are summarized on Figure 8. The MBFB plume is not discussed at length here since the Water Table and the MBFB water-bearing units are identical in the western portion of the Site and further west. Further east, the MBFB dissolved benzene plume is similar to the Water Table dissolved benzene plume, but with a significantly reduced distribution. The overall dissolved benzene plume distribution is similar to that for previous monitoring events and the portion attributable to plant site sources remains within the TI-Waiver Zone.

A Mann-Kendall analysis was completed as described in Section 6.3.1 to identify MBFB wells with benzene concentration trends and the results of the analysis are summarized below. Associated historical data spreadsheets, concentration trend plots, and results are provided in Appendix C.

Short Term Trends		Long Term Trends	
Decreasing Concentrations	**Increasing Concentrations**	**Decreasing Concentrations**	**Increasing Concentrations**
None	SWL0048	None	None

Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 12 of the 15 wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.

6.3.3 Middle Bellflower C Sand

Benzene results for the MBFC are summarized on Figure 9. MBFC benzene concentrations tend to be lower than in the overlying Water Table and MBFB. Dissolved benzene associated with the Site occurs in three distinct plume areas, with their respective concentration maxima occurring at wells SWL0065 (coordinates F6 on Figure 9), SWL0040 (Coordinates G7), and SWL0060 (coordinates J7), respectively.

The SWL0065 dissolved benzene plume is inferred to be associated with releases from the former styrene plancor portion of the Site and roughly corresponds to larger, higher concentration plume areas in the overlying Water Table and MBFB. The dissolved benzene plume at well SWL0040 is likely associated with the Waste Pits OU and/or or adjacent petroleum pipelines along the southern Site boundary that are unrelated to the Site. The dissolved benzene plume at SWL0060 is inferred to be associated with Site pipeline releases and overlying NAPL-impacted soil.

Each of the three plume areas discussed above are considered to be within the MBFC TI-Waiver Zone. While the ROD does not depict the MBFC TI-Waiver Zone in the vicinity of well

SWL0060 (see ROD Figure 10-1), the dissolved benzene plume in this area is still considered to be within the TI-Waiver Zone for the following reasons:

- The ROD indicates an MBFB TI-Waiver Zone in this area;
- The MBFB and MBFC are merged and relatively thin in the vicinity of well SWL0060 so that the well is considered to be screened in both units; and
- The ROD defines the MBFC TI-Waiver Zone as the projection of the lateral boundary of the dissolved benzene plume in the MBFB onto the underlying MBFC (see page 10-11 of the ROD).

The largest distribution of the MBFC dissolved benzene extends over the southwestern corner of the Site, but is inferred to emanate from sources unrelated to the Site based on the plume geometry, groundwater flow direction, and coincident high concentrations of chlorobenzene. This area is within the chlorobenzene plume and not the benzene plume using the ROD-defined terminology.

A Mann-Kendall analysis was completed as described in Section 6.3.1 to identify MBFC wells with benzene concentration trends and the results of the analysis are summarized below. Associated historical data spreadsheets, concentration trend plots, and results are provided in Appendix C.

Short Term Trends		Long Term Trends	
Decreasing Concentrations	**Increasing Concentrations**	**Decreasing Concentrations**	**Increasing Concentrations**
SWL0054 XBF-13	None	None	None

Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 10 of the 16 wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.

6.3.4 Gage Aquifer

Benzene results for the Gage aquifer are summarized on Figure 10. The dissolved benzene plume attributed to the Site is centered at well SWL0066 and is associated with overlying, larger areas of higher benzene concentration in the Water Table, MBFB and MBFC. Benzene present in the southwest corner of the Site and further south is part of the chlorobenzene plume under the ROD terminology and is interpreted to be associated with the Montrose site based on the plume geometry, groundwater flow direction, and coincident high concentrations of chlorobenzene.

Since wells SWL0063 and SWL0066 were not constructed until after the ROD was completed, the dissolved benzene plume in this area of the Site is located outside of the Gage aquifer TI-Waiver Zone indicated in the ROD. However, the extent of the dissolved benzene plume is

limited and future analytical laboratory testing will be utilized to monitor the benzene concentration trends and extent of the plume.

A Mann-Kendall analysis was completed as described in Section 6.3.1 to identify Gage wells with benzene concentration trends. No concentration trends were identified. Benzene concentrations were not detected or detected at concentrations below the MCL (1 µg/l) at three of the five wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.

6.4 TERTIARY BUTYL ALCOHOL

A subset of wells analyzed for VOCs were selected for additional TBA analysis. Wells were selected for TBA analysis where a) TBA was previously detected, as indicated in the 2012 groundwater monitoring report (URS, 2012); b) TBA is potentially present based on the well location within the interpreted TBA plume presented in the 2012 monitoring report; and c) USEPA specifically requested TBA analysis (see USEPA comment letter of August 18, 2014). Results of TBA analyses are summarized in Table 3.

6.5 BIODEGRADATION INDICATORS

Degradation of dissolved hydrocarbons can be facilitated by certain species of microorganisms indigenous in the subsurface. These microbes obtain energy by metabolizing and breaking down hydrocarbons that have been introduced into the environment. The microbes extract energy by facilitating the transfer of electrons from the hydrocarbon (an electron donor) to oxidized elements in the environment that are electron acceptors. Common electron acceptors in the saturated zone include DO, nitrate, ferric iron (Fe^{+++}), sulfate, and carbon dioxide. Thus, depleted concentrations of these elements and compounds coincident with hydrocarbon contamination serve as indicators of biodegradation. In some cases, it can be more convenient and/or accurate to measure increased concentrations of the byproducts of the chemical reduction process rather than decreased concentrations of the electron acceptors. For example, instead of measuring decreases in the concentrations of ferric iron (Fe^{+++}) or carbon dioxide, increases in concentrations of ferrous iron (Fe^{++}) and methane can be measured, which are equally valid biodegradation indicators. Additionally, elevated levels of alkalinity can be used as an indicator of benzene biodegradation.

Specific environmental conditions dictate which, if any, biodegradation pathways are active so that not all indicators will necessarily be observed at a site. However, aerobic respiration and consumption of DO is typically the first process. After oxygen depletion, degradation by anaerobic microorganisms through denitrification, reduction of iron and sulfate, and methanogenesis pathways may occur.

Biodegradation indicator analyses completed for the Baseline Groundwater Monitoring Event included tests for DO, ORP, carbon dioxide, methane, nitrate, sulfate, ferrous iron, and total alkalinity. DO, ORP and carbon dioxide data are used in evaluating aerobic biodegradation. The laboratory analyses for nitrate, ferrous iron, sulfate, methane are specific to anaerobic degradation pathways. The remaining analysis for total alkalinity can be used for either aerobic or anaerobic degradation.

Locations for which biodegradation indicator analyses were completed included 13 Water Table wells and six MBFB wells along the transects indicated on Figures 7 and 8. These transects typically provide data for positions up-gradient of the dissolved benzene plume, within the dissolved benzene plume, at the down-gradient fringe of the dissolved benzene plume, and down-gradient or cross-gradient of the dissolved benzene plume. Biodegradation indicator data are included in Table 3 and graphs presenting the data relative to the transect lines and position of the wells relative to the plumes are presented in Figures 11 through 15.

A simplified summary of the biodegradation data is presented in the table below, wherein each of the indicators is identified with respect to the expected mid-plume value (where high benzene concentrations are present) relative to the values outside of the plume. An “X” indicates a strong indication, wherein the expected relationship is achieved at multiple locations, and an “O” indicates where there is partial agreement. A dash (-) indicates the data are not indicative of biodegradation for that pathway.

Biodegradation Process	**Indicator**	**Mid-plume Biodegradation Indication**	**Transect Occurrences**				
			WT-1	**WT-2**	**WT-3**	**WT-4**	**MBFB-1**
Aerobic	Oxygen Concentration	Reduced	O	O	O	X	O
	ORP value	Reduced	X	X	X	X	O
	Carbon Dioxide Concentration	Increased	O	X	O	X	O
Anaerobic	Ferrous Iron Concentration	Increased	X	X	O	X	O
	Methane Concentration	Increased	X	O	X	O	O
	Nitrate Concentration	Decreased	O	X	-	O	-
	Sulfate Concentration	Decreased	X	X	X	X	O
	Alkalinity Concentration	Increased	X	X	O	X	X

As shown in the table, there is an overall indication that both aerobic and anaerobic biodegradation processes are occurring, with the ORP, sulfate, and alkalinity data being the

strongest indicators. This result, combined with the previously discussed findings indicating that Site benzene plumes have not migrated outside the TI-Waiver Zone and the Mann-Kendall statistical analysis indicating trends of decreasing benzene concentrations at multiple Water Table and MBFB wells confirms that the natural monitored intrinsic biodegradation remedial approach identified in the ROD is appropriate.

6.6 QA/QC DATA AND EVALUATION

Quality Assurance/Quality Control (QA/QC) samples analyzed as part of the monitoring program included four field blanks, 14 equipment blanks, 15 trip blanks, and eight field duplicate samples. The equipment blanks consisted of laboratory provided, organic-free water that was poured over a cleaned, non-dedicated pump into sample vials. Analysis of these samples permits evaluation of potential cross-contamination between sampling locations. The trip blanks were laboratory-prepared vials of organic-free water that remained with the primary sample containers during transit to and from the site, and during sampling. The trip samples are not opened at any time during the field investigation, and their purpose is to allow evaluation of cross-contamination from laboratory sources as well as between sample containers. Duplicate samples are collected at the same time and location as a corresponding primary sample, and are used to evaluate the reproducibility of the laboratory analyses.

QA/QC samples were analyzed for the same constituents and by the same method (USEPA Method 8260) as for the corresponding primary samples. All compounds were below detection limits in each of the equipment blank and trip blank samples indicating that no cross contamination occurred. Duplicate samples were collected for locations PZL0010, SWL0002, SWL0003, SWL0021, SWL0050, SWL0065, XWM-04HD, and XP-03. Comparison of the primary and duplicate sample results for these locations is provided in Table 4.As indicated in the table, the relative percent difference between the primary and duplicate sample concentrations are all well below the 50% criteria for acceptance without qualification.

Based on the equipment blank, trip blank, and field duplicate sample results described above and other criteria described in the Data Validation Memorandum presented in Appendix D, the data presented in this report are judged adequate for their intended purpose.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Presented in this document are the results of the 2014 Baseline Groundwater Monitoring Event completed in September 2014 for the Site, which were conducted in accordance with the September 5, 2014 MACP. The monitoring program is being conducted to generate groundwater elevation and laboratory analytical data by which to evaluate the extent of the contaminant plume associated with the Site and confirm that biodegradation and containment of the dissolved benzene plume is occurring.

The following conclusions are presented based on the data gathered during the 2014 Baseline Groundwater Monitoring Event:

- Groundwater Elevations and Flow:
    - Water table elevations within the Site ranged from a high of -8.56 feet MSL at well SWL0038 in the northwest corner, to a low of -10.57 feet MSL at well XMW-28, near the southwest corner. Groundwater elevations were on average approximately 0.57 feet lower than those for the previous monitoring event in 2012. The flow direction is generally southwesterly at an average gradient of 0.0006 and velocity of approximately 0.01 feet/day or 4.4 feet/year.
    - MBFB elevations within the Site ranged from a high of -9.86 feet MSL at well SWL0003 to a low of -10.93 feet MSL at well SWL0060. Groundwater elevations were on average approximately 0.55 feet lower than for the previous 2012 monitoring event. The flow direction is generally to the southeast at an average gradient of 0.0005 and velocity of approximately 0.07 feet/day or 24 feet/year.
    - MBFC groundwater elevations within the Site ranged from -9.95 feet MSL at well SWL0065 to -10.98 feet MSL at well SWL0040. Groundwater elevations were on average approximately 0.71 feet lower than for the previous 2012 monitoring event. The flow direction is generally to the south-southeast at an average hydraulic gradient of approximately 0.0007 and velocity of approximately 0.76 feet/day or 280 feet/year.
    - Gage Aquifer groundwater elevations within the Site ranged from -11.83 feet MSL at well XG-06 to -13.39 feet MSL at well SWL0022. Groundwater elevations were on average 0.10 feet lower than for the previous 2012 monitoring event. The flow direction is generally to the east at an average hydraulic gradient of approximately 0.0006 and velocity of approximately 0.14 feet/day or 52 feet/year.
    - Groundwater elevation data for co-located wells completed in different hydrostratigraphic units indicate that water levels are generally lower in successively deeper hydrostratigraphic units, indicating a downward hydraulic gradient.

- NAPL:
  - NAPL has historically been present in Site water table wells XMW-20, SWL0001 and MBFB well SWL0032, which are all located near the western Site boundary. NAPL was observed in well SWL0032 during the recent monitoring event (monitor wells XMW-20 and SWL0001 were not gauged during this monitoring event). Historical data indicates the NAPL near the western Site boundary to be composed almost entirely of benzene.
  - NAPL was detected at well PZL019 during the recent monitoring event, with a thickness of 1.65 feet. Well PZL019 is located in the western end of the Waste Pits OU and NAPL has not previously been observed in this well. In accordance with Table 1 of the MACP, this well is included as part of the Waste Pits OU Performance Monitoring Program and will be discussed in more detail in the 2014 Waste Pit OU Annual Report.
- Benzene Distribution – Water Table:
  - While the dissolved benzene distribution is generally consistent with historical data, benzene concentrations and distribution are reduced in the vicinity of the Waste Pits OU.
  - Dissolved benzene known to be associated with the Site is entirely within the TI-Waiver Zone. The origin of benzene detected at well PZL0005 in the northeast corner in 2008 (17 µg/l) is unknown, but may originate from off-site given the southwesterly direction of groundwater flow in this area. Benzene was not detected at this location in any previous monitoring events and the anomalous result from 2008 will be further evaluated by sampling this well during the 6-month after TGRS start-up sampling event.
  - Mann-Kendall statistical analysis identified 13 wells with a trend of decreasing benzene concentrations through time and no wells with increasing concentrations. Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 32 of the 47 wells sampled. Based on these findings, the dissolved benzene plume is stable to decreasing.
  - Biodegradation indicators confirmed that there is an overall indication that both aerobic and anaerobic biodegradation processes are occurring, and this data combined with the observed benzene distribution and identified trends of decreasing benzene concentrations confirm that the monitored intrinsic biodegradation remedial approach identified in the ROD is appropriate.
- Benzene Distribution - MBFB:
  - The dissolved benzene distribution is generally consistent with historical data and the dissolved benzene plume is entirely within the TI-Waiver Zone. The dissolved benzene concentrations observed in the southwest corner of the Site and on the Montrose site are not associated with historical Site operations based on the coincident presence of chlorobenzene and chlorinated solvents.

  - Mann-Kendall statistical analysis identified no wells with a trend of decreasing benzene concentrations through time and one well with increasing benzene concentrations. Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 12 of the 15 wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.
  - Biodegradation indicators confirmed that there is an overall indication that both aerobic and anaerobic biodegradation processes are occurring, and these data combined with the observed benzene distribution and the dissolved benzene concentration trends confirm that the monitored intrinsic biodegradation remedial approach identified in the ROD is appropriate.
- Benzene Distribution - MBFC Sand:
  - The dissolved benzene distribution is generally consistent with historical data and dissolved benzene concentrations tend to be lower than in the overlying water table and MBFB water-bearing units.
  - The dissolved benzene plume associated with the Site is entirely within the TI-Waiver Zone.
  - The dissolved benzene concentrations observed in the southwest corner of the Site and in the vicinity of the Montrose site are not associated with the Site based on the coincident presence of chlorobenzene and chlorinated solvents.
  - Mann-Kendall statistical analysis identified two wells with a trend of decreasing benzene concentrations through time and no wells with increasing concentrations. Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at 10 of the 16 wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.
- Benzene Distribution - Gage Aquifer:
  - The dissolved benzene distribution is generally consistent with historical data and dissolved benzene concentrations tend to be lower than in the overlying water table, MBFB and MBFC water-bearing units.
  - The dissolved benzene concentrations observed in the vicinity of the southwest corner of the Site and the Montrose site are not associated with historical Del Amo operations based on the coincident presence of chlorobenzene and chlorinated solvents. Wells SWL0066 and SWL0063 were not constructed until after the ROD was completed; therefore, the dissolved benzene plume is located outside of the TI-Waiver Zone indicated in the ROD. However, the extent of the plume is limited and future analytical laboratory testing will be utilized to monitor the benzene concentration trends and extent of the plume
  - Mann-Kendall statistical analysis did not identify any wells with trends of either increasing or decreasing concentrations. Benzene concentrations were not detected or detected at concentrations below the MCL (< 1 µg/l) at three of the

five wells sampled. Based on this finding, the dissolved benzene plume is stable to decreasing.

Based on the conclusions presented above, 17 wells are recommended for destruction and an additional four wells are recommended for transfer to other parties. One well is recommended for inclusion in the 6-month sampling event. The individual wells with their associated recommendation and rationale are summarized in the table below:

HSU	Well	Recommendation	Rationale
Water Table	PZL0002	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0003	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0004	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0005	Gauge and sample well in 6-month event	Further evaluate anomalous benzene detection in 2008 sampling event
	PZL0008	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0015	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0017	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	PZL0019	Continue gauging	NAPL present
	SWL0012	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0015	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0028	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0039	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0049	Transfer to Montrose	Not necessary for monitoring of Del Amo benzene plume
	SWL0057	Destroy well	Established history of benzene concentrations below the MCL
MBFB	SWL0011	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0019	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0052	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0056	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
MBFC	SWL0014	Destroy well	Outside of TI Waiver Zone with a history of benzene concentrations below the MCL
	SWL0033	Transfer to Montrose	Contaminants present not associated with Del Amo Site
LBF	SWL0043	Destroy well	Not screened in major HSU; no history of benzene concentrations in excess of MCL
Gage	SWL0031	Previously destroyed by PACCAR	
	SWL0034	Transfer to Montrose	Contaminants present not associated with Del Amo Site
	SWL0067	Transfer to TCE parties	Established history of benzene concentrations below the MCL; TCE present not associated with Del Amo Site

8.0 REFERENCES

Dames & Moore, 1998. Final Groundwater Remedial Investigation Report, Del Amo Study Area, Los Angeles California. May 15, 1998.

URS, 2004. Field Sampling Plan and Quality Assurance Project Plan, Baseline Groundwater Sampling Event, Joint Montrose Chemical and Del Amo Superfund Site, Los Angeles, California. January 7, 2004.

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U.S. Environmental Protection Agency, 1999. Record of Decision for Dual Site Groundwater Operable Unit, Montrose Chemical and Del Amo Superfund Sites. March 1999.

U.S. Environmental Protection Agency, 2014. Letter from Mr. Kevin Mayer of USEPA to Mr. Erich Weaver of URS: “Comments on Shell Portion of Monitoring and Aquifer Compliance Plan, Montrose and Del Amo Superfund Sites, Submitted July 16, 2014”. August 18, 2014.

Table 1
Sampling and Analytical Plan
Monitoring and Aquifer Compliance Plan
Del Amo Superfund Site

HSU	Well ID	Screen (ft btoc)		Benzene Result		Sampling Event						Analyses		Water Level Gauging	APN / Location	Selection Rationale / Comment
		Top	Bottom	µg/L	Date	Baseline	6-month and 1 year	Year 2+ Annual	Year 5 Review	Montrose Baseline and Year 5 Review	Montrose Annual	8260B VOC	biodeg			
Water Table	PZL0001	50.00	60.00	<0.50	Feb-12	X	X	X	X	-	-	X	-	X	Hamilton Ave	SE extent of plume & containment zone
	PZL0006	49.00	69.00	<2.1	Nov-06	X	X	-	X	-	-	X	-	X	Magellan Dr	NE extent of plume
	PZL0007	47.00	62.00	<0.5	Nov-06	X	X	-	X	-	-	X	-	X	Hamilton Ave	N extent of plume & containment zone
	PZL0009	54.00	69.00	72	Nov-06	X	X	-	X	-	-	X	-	X	034-069	N extent of plume
	PZL0010	49.50	69.50	<0.50	Nov-06	X	X	-	X	-	-	X	-	X	034-024	NE extent of plume & containment zone
	PZL0011	35.00	55.00	8,100	Nov-06	X	X	-	X	-	-	X	-	X	033-034	NW extent of source area
	PZL0012	37.20	57.20	<13	Nov-06	X	X	X	X	-	-	X	X	X	033-062	W extent of plume; biodeg transect
	PZL0013	41.00	61.00	300,000	Jul-00	X	X	X	X	-	-	X	X	X	033-900	Extent of source area; biodeg transect
	PZL0014	51.00	66.00	0.68	Nov-06	X	X	-	X	-	-	X	-	X	031-017	Northern containment zone
	PZL0016	47.00	67.00	<30	Nov-06	X	X	-	X	-	-	X	-	X	034-056	NW extent of source area
	PZL0018	48.00	68.00	1,700	Feb-12	X	X	X	X	-	-	X	-	X	034-066	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program.
	PZL0019	46.70	66.70	250,000	Feb-12	X	X	X	X	-	-	X	X	X	034-077	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program/biodeg transect
	PZL0020	47.00	67.00	190,000	Feb-12	X	X	X	X	-	-	X	-	X	034-077	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program
	PZL0022	42.00	61.70	<0.50	Feb-12	X	X	X	X	-	-	X	-	X	034-078	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program
	PZL0024	44.40	64.40	<0.50	Feb-12	X	X	X	X	-	-	X	-	X	034-077	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program
	PZL0025	43.50	63.50	<0.50	Feb-12	X	X	X	X	X	-	X	-	X	034-077	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program. Coordinate with Montrose to avoid duplicate sampling.
	PZL0026	33.00	53.00	91	Nov-06	X	X	X	X	-	-	X	X	X	033-017	S extent of source area; biodeg transect
	SWL0002	52.00	77.00	<19	Nov-06	X	X	-	X	-	-	X	-	X	034-057	W extent of source area
	SWL0003	50.00	77.00	170,000	Nov-06	X	X	-	X	-	-	X	-	X	034-056	Source area
	SWL0004	53.00	80.00	610,000	Nov-06	X	X	X	X	-	-	X	X	X	034-057	SE extent of source area; biodeg transect
	SWL0005	38.60	61.50	<0.50	Feb-12	X	X	-	X	-	-	X	-	X	Del Amo Blvd	SE extent of plume at waste pit area plume
	SWL0006	43.50	59.50	<0.50	Feb-12	X	X	-	X	-	-	X	X	X	Catalina St	Confirm southern plume boundary;biodeg transeect; Omit from future monitoring if [benzene] < MCL.
	SWL0007	50.40	71.20	3	Nov-06	X	X	-	X	-	-	X	-	X	031-007	N extent of plume & containment zone
	SWL0008	41.40	62.00	52	Feb-12	X	X	X	X	-	-	X	X	X	Del Amo Blvd	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program/biodeg transect
	SWL0009	37.30	58.30	0.29	Nov-06	X	X	X	X	-	-	X	-	X	Figueroa St	E extent of plume & monitor containment zone
	SWL0015	33.00	54.00	2.9	Feb-96	X	-	-	-	-	-	X	-	X	001-131	TBA plume evaluation
	SWL0016	40.80	62.00	<0.50	Feb-12	X	X	-	X	-	-	X	-	X	034-068	E extent of plume
	SWL0017	47.00	68.50	3.2	Nov-06	X	X	-	X	-	-	X	-	X	034-025	NE extent of plume near containment zone
	SWL0021	46.50	62.10	0.57	Feb-12	X	X	X	X	-	-	X	X	X	7350-001-131	S extent of plume; biodeg transect
	SWL0024	45.00	61.50	<0.50	Feb-12	X	X	X	X	-	-	X	X	X	Del Amo Blvd	SE extent of plume; biodeg transects
	SWL0028	34.00	54.80	<0.50	Feb-12	X	-	-	-	-	-	X	-	X	Alpine Village/Torrance Blvd	Omit from future monitoring if [benzene] < MCL. VOC analysis will include TBA.
	SWL0038	49.50	70.50	<1.0	Jul-00	X	X	X	X	-	-	X	X	X	031-007	biodeg transect
	SWL0042	34.30	55.00	1.1	Feb-12	X	-	-	-	-	-	X	-	X	Hamilton Ave	Omit from future monitoring if [benzene] < MCL.
	SWL0044	45.50	65.00	0.82	Feb-12	X	X	X	X	-	-	X	-	X	034-901	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program
	SWL0046	37.80	57.80	<0.50	Nov-06	X	X	X	X	-	-	X	X	X	033-045	NW extent of plume / containment zone boundary; biodeg transect
	SWL0051*	35.00	55.00	<0.5	Feb-12	X	X*	X	X	-	-	X	-	X	Undeveloped parcel	Waste Pits OU Performance Monitoring program
	SWL0057	38.50	58.50	<0.50	Feb-12	X	-	-	-	-	-	X	-	X	New Hampshire Ave	Omit from future monitoring if [benzene] < MCL.
	SWL0059	37.00	41.00	9.3	Nov-06	X	X	-	X	-	-	X	-	X	034-015	N extent of source area
	SWL0068	23.00	48.00	150,000	Jan-10	X	X	X	X	-	-	X	X	X	033-017	Source area; biodeg transect
	XGW-07A	47.00	57.00	ND<1.0	Jul-00	X	-	-	-	-	-	X	-	X	off-site	EPA request for TBA data to be included in VOC analysis.
	XMW-01HD	40.00	60.00	860,000	Jun-93	X	X	-	X	-	-	X	-	X	033-022	Source area
	XMW-02HD	40.00	60.00	970	Jul-00	X	X	-	X	-	-	X	-	X	033-022	E extent of plume
	XMW-03HD	40.00	60.00	3.3	Nov-06	X	X	-	X	-	-	X	-	X	033-022	E extent of plume
	XMW-04HD	51.00	61.00	430,000	Nov-06	X	X	-	X	-	-	X	-	X	033-022	Extent of source area; biodeg transect
	XMW-14	58.00	73.00	4,400	Jul-00	X	-	-	-	-	-	X	-	X	Del Amo Alley	W extent of plume
	XMW-21	54.00	70.00	0.66	Feb-12	X	X	X	X	-	-	X	X	X	Pacific Gateway	Separation of plumes to north, south, and east; biodeg transect
	XMW-27	59.00	75.00	<2.0	Nov-06	X	X	-	X	-	-	X	-	X	Francisco St	W extent of plume
	XMW-28	54.00	71.00	44,000	Nov-06	X	X	-	X	X	-	X	X	X	034-058	Part of EPA requested biodegradation transect. Coordinate with Montrose to avoid duplicate sampling.
	XMW-29	57.00	73.00	73,000	Feb-12	X	X	X	X	-	-	X	-	X	034-901	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program
	XP-02	55.50	75.50	<0.5	Feb-12	X	X	X	X	-	-	X	X	X	034-066	Delineation of plume at waste pits/Waste Pits OU Performance Monitoring program

Table 1
Sampling and Analytical Plan
Monitoring and Aquifer Compliance Plan
Del Amo Superfund Site

HSU	Well ID	Screen (ft btoc)		Benzene Result		Sampling Event						Analyses		Water Level Gauging	APN / Location	Selection Rationale / Comment
		Top	Bottom	µg/L	Date	Baseline	6-month and 1 year	Year 2+ Annual	Year 5 Review	Montrose Baseline and Year 5 Review	Montrose Annual	8260B VOC	biodeg			
Middle Bellflower B Sand	SWL0010	100.00	116.50	<0.5	Feb-96	X	X	X	X	-	-	X	-	X	Figueroa St	E extent of plume near containment zone
	SWL0019	73.10	89.60	<0.5	Feb-96	X	-	-	-	-	-	X	-	X	7350-001-131	Omit from future monitoring if [benzene] < MCL.
	SWL0023	88.50	103.80	<0.5	Feb-12	X	X	X	X	-	-	X	-	X	Del Amo Blvd	Containment zone
	SWL0029	83.00	88.00	0.65	Nov-06	X	X	-	X	-	-	X	-	X	7351-035-027	N extent of plume near containment zone
	SWL0032	79.00	89.00	660,000	Nov-06	X	X	-	X	-	-	X	-	X	034-057	Extent of source area
	SWL0037	82.00	98.50	<0.50	Feb-12	X	X	X	X	-	-	X	X	X	034-068	E extent of plume / containment zone / background concentrations of biodegradation parameters
	SWL0041	77.00	92.75	11,000	Nov-06	X	X	-	X	-	-	X	-	X	034-078	SE extent of waste pit area
	SWL0047	82.00	92.00	<0.29	Nov-06	X	X	X	X	-	-	X	X	X	034-052	N extent of plume/containment zone; biodeg transect
	SWL0048	83.00	93.00	180,000	Nov-06	X	X	X	X	-	-	X	X	X	034-066	Interior of plume; biodeg transect
	SWL0050	72.50	82.00	78,000	Nov-06	X	X	X	X	-	-	X	X	X	034-077	S extent of waste pit area; biodeg transect
	SWL0052	78.30	93.70	<0.5	Nov-06	X	-	-	-	-	-	X	-	X	Vermont Ave	Omit from future monitoring if [benzene] < MCL.
	SWL0056	75.00	85.00	<0.5	Feb-12	X	-	-	-	-	-	X	-	X	New Hampshire Ave	Omit from future monitoring if [benzene] < MCL.
	SWL0060	90.00	93.00	15	Feb-12	X	X	X	X	-	-	X	-	X	033-017	SE of source area
	XG-01WC	80.00	90.00	<0.50	Feb-12	X	X	X	X	-	-	X	X	X	New Hampshire/204th	SE extent of plume; biodeg transect
	XG-02WC	82.00	92.00	0.93	Feb-12	X	X	X	X	X	X	X	-	X	Catalina St	S of containment zone. Coordinate with Montrose to avoid duplicate sampling.
	XGW-07C	86.30	90.90	NA	NA	X	-	-	-	-	-	X	-	X	off-site	EPA request for TBA data to be included in VOC analysis.
	XP-03	85.00	95.00	<0.5	Feb-12	X	X	-	X	-	-	X	-	X	Del Amo Blvd	E extent of plume at waste pits
Middle Bellflower C Sand	SWL0013	131.80	147.60	<0.58	Nov-06	X	X	-	X	-	-	X	-	X	033-031	Near containment zone
	SWL0018	122.00	139.00	<0.50	Feb-12	X	X	X	X	-	-	X	-	X	034-066	Separation of plume; containment zone; biodeg transect
	SWL0030	104.00	119.80	<0.50	Nov-06	X	X	-	X	-	-	X	-	X	7351-035-027	NW extent of plume near containment zone
	SWL0033	124.30	140.00	<40	Feb-12	X	X	-	X	X	X	X	-	X	Budlong Ave	Containment zone. Gauged and sampled by Montrose.
	SWL0035	121.00	136.00	<0.50	Nov-06	X	X	X	X	-	-	X	-	X	034-068	E extent of in MBFC and containment zone; biodeg transect
	SWL0040	118.50	135.00	1,100	Feb-08	X	X	X	X	-	-	X	-	X	034-078	Waste pits area
	SWL0053	118.30	127.80	<0.5	Feb-12	X	X	X	X	-	-	X	-	X	Vermont Ave	SE extent of plume and containment zone
	SWL0054	120.20	129.70	1.3	Feb-12	X	X	-	X	-	-	X	-	X	034-057	W extent of source area
	SWL0055	120.30	129.80	<0.50	Feb-12	X	X	-	X	-	-	X	-	X	034-077	Interior of waste pits plume
	SWL0058	118.10	127.70	1.1	Nov-06	X	X	-	X	X	X	X	-	X	034-058	SW of plume. Coordinate with Montrose to avoid duplicate sampling.
	SWL0061	115.00	120.00	<0.68	Nov-06	X	X	X	X	-	-	X	-	X	034-057	Monitor for downward migration of impacts in MBFB; biodeg transect
	SWL0064	114.20	129.20	1.5	Nov-06	X	X	-	X	-	-	X	-	X	034-058	W extent of plume
	SWL0065	115.00	130.00	95,000	Feb-12	X	X	X	X	-	-	X	-	X	034-058	Interior of plume; biodeg transect
	XBF-06	115.00	125.00	<120	Feb-14	X	-	-	-	-	-	X	-	X	7351-34-901	Confirm west of Del Amo benzene plume
	XBF-13	117.00	137.00	1,200	Feb-08	X	X	-	X	-	-	X	-	X	Del Amo Blvd	Interior of waste pits plume
Gage Aquifer	SWL0020	180.60	196.40	<0.5	Feb-96	-	-	-	-	-	-	-	-	X	7350-001-131	Included for water level monitoring only; outside of plume area
	SWL0022	179.50	195.30	<0.5	Nov-06	X	X	X	X	-	-	X	-	X	033-031	SE extent of on-site plume
	SWL0025	195.00	210.80	<0.50	Nov-06	X	X		X	-	-	X	-	X	Figueroa St	Monitor TBA outside of hydraulic capture zone
	SWL0026	159.80	175.50	0.67	Feb-12	-	-	-	-	X	X	-	-	X	001-018	Outside of plume; included for water level monitoring only
	SWL0036	178.00	194.00	<0.5	Nov-06	X	X	-	X	-	-	X	-	X	034-068	Upgradient chlorinated VOC impacts
	SWL0063	172.70	187.00	460	Feb-12	X	X	X	X	X	-	X	-	X	034-058	Center of on-site plume. Coordinate with Montrose to avoid duplicate sampling.
	SWL0066	172.00	187.00	0.29	Nov-06	X	X	-	X	-	-	X	-	X	034-057	NW extent of on-site plume
	XG-17	172.00	212.00	6.7	Feb-93	X	X	X	X	X	X	X	-	X	034-901	S ext of on-site plume. Gauged and sampled by Montrose.

Notes:

HSU = hydrostratigraphic unit
VOC = volatile organic compound
APN = Assessor's parcel number
TBA = tert-Butyl alcohol

µg/l = micrograms per liter
MCL = maximum contaminant level
biodeg = biodegradation parameters

* = Well to be sampled annually as part of waste pit OU performance monitoring event; NOT included in 6-month sampling event
Wells that are screened in both the Water Table and MFBS are listed once only in the Water Table.

TABLE 2
Time-Series Summary of Groundwater Elevations
2014 Groundwater Monitoring Report

HSU	Location	1994		1995			1996			1997	1998	1999	2000	2004	2006	2012	2014	Change in Level over Period of Record	Average Rate of Change in Level
		Jul	Oct	Mar	Jun	Oct	Jan	May	Oct	Jan	Feb	Jan	Jun	Jan	Oct	Feb	Sep	(ft)	(ft/yr)
Water Table	PZL0001	-20.05	-20.32	-19.19	-18.65	-18.97	-18.41	-18.70	-18.73	-19.08	-18.43	-17.21	-17.12	-16.38	-12.36	-10.04	-10.48	9.57	0.48
	PZL0002	-13.49	-13.56	-12.78	-12.44	-12.31	-12.06	-11.83	-11.71	-8.69	-10.52	-8.74	-9.81*	-9.65	-7.34	-6.23	--	7.26	0.41
	PZL0003	-13.92	-14.01	-13.38	-12.97	-12.82	-12.37	-12.10	-11.95	-11.54	-10.85	-9.58	-9.70	-9.16	-6.33	-7.34	--	6.58	0.37
	PZL0004	-17.05	-17.23	-16.12	-15.61	-15.92	-15.58	-14.29	-15.34	-15.45	-14.70	-13.59*	-13.82	-13.65	-10.60	-8.66	--	8.39	0.48
	PZL0005	-12.00	-12.09	-11.67	-11.14	-11.37	-10.92	-10.87	-10.76	-10.46	-10.12	-8.90	-8.94	-6.50	-5.02	-3.87	--	8.13	0.46
	PZL0006	-17.72	-17.94	-17.06	-16.47	-16.82	-16.60	-16.37	-15.05	-15.96	-16.62	-14.52	-14.39	-13.94	-10.40	-8.59	-9.37	8.35	0.41
	PZL0007	-18.74	-18.98	--	-17.58	-17.65	-17.10	-17.35	-17.44	-17.48	-16.78	-15.92	-15.96	-14.39	-10.96	-9.39	-9.58	9.16	0.45
	PZL0008	-14.59	-14.51	-13.81	-13.35	-13.08	-12.68	-12.49	-12.33	-12.11	-11.32	-10.20	-10.45	-10.50	-8.14	-6.88	--	7.71	0.44
	PZL0009	-17.47	-17.48	-17.00	-16.42	-16.34	-15.95	-15.74	-15.25	-15.65	-14.87	-13.47	-13.77	-13.35	-10.11	-8.07	-9.16	8.31	0.41
	PZL0010	-17.76	-17.87	-16.95	-16.57	-16.60	-16.30	-16.19	-16.07	-16.21	-15.23	-14.35	-14.52	-13.94	-10.60	-8.91	-9.67	8.09	0.40
	PZL0011	-17.16	-17.10	-16.88	-15.88	-15.92	-15.83	-15.65	-15.60	-15.72	-15.23	-13.98	-14.29	-13.15	-9.78	-7.29	-9.26	7.90	0.39
	PZL0012	-19.61	-18.70	-18.47	-17.71	-18.04	-17.46*	-17.56	-16.01	-17.84	--	--	--	-13.67	-11.31	-8.50	-8.53	11.08	0.55
	PZL0013	-15.96	-16.04	-15.93	-15.44	-15.48	-15.58	-15.46	-15.21	-15.32	-14.78	-13.88	-15.06	-13.31	-11.63	-8.77	-8.97	6.99	0.35
	PZL0014	-16.04	-15.98	-15.27	-14.90	-14.64	-14.33	-14.09	-13.92	-13.91	-12.57	-11.53	-11.89	-11.62	-8.77	-7.74	-8.86	7.18	0.36
	PZL0015	-14.72	-14.73	-14.25	-13.65	-13.48	-13.14	-12.95	-12.84	-12.92	-11.75	-10.65	-11.05	-10.95	-5.50	-7.43	--	7.29	0.41
	PZL0016	-17.91	-17.81	-17.46	-16.90	-16.79	-16.50	-16.15	-15.87	-15.89	-14.54	-13.96*	-14.01	-13.56	-10.49	-8.88	-9.51	8.40	0.42
	PZL0017	-13.10	-13.11	-12.62	-12.07	-11.82	-11.49	-11.39	-11.32	-11.27	-10.40	-9.21	-9.66	-9.76	-7.58	-7.00	--	6.10	0.35
	PZL0018	-19.44	-19.64	-17.57	-17.31	-17.98	-17.84	-17.35	-19.76	-17.38	-15.72	-16.03	-16.16	-15.17	-11.24	-8.88	-9.92	9.52	0.47
	PZL0019	-18.73	-18.64	-18.16	-16.88	-16.78	-16.67	-16.17	-16.48	-16.26	-15.65	-14.19	--	-12.31	-11.10	-8.55	-8.58	10.15	0.50
	PZL0020	-17.42	-17.63	-16.78	-15.16	-15.45	-15.27	-15.37	-15.69	-13.49	-14.70	-13.65	-14.47	-13.89	-10.88	-8.75	-9.66	7.76	0.39
	PZL0021	-20.01	-20.19	-19.22	-18.98	-18.88	-18.58	-13.42	-18.04	-17.87	-17.29	-15.26	-16.46	-15.91	--	--	--	4.10	0.43
	PZL0022	-18.95	-18.88	-19.25	-18.83	-18.73	-18.87	-18.78	-18.95	-18.87	-18.35	-17.01	-17.62	-14.89	-10.93*	-8.78	-9.76	9.19	0.46
	PZL0023	-18.88	-17.30	-17.47	--	--	--	--	--	--	--	--	--	--	--	--	--	1.41	2.18
	PZL0024	-18.71	-18.27	-18.62	-16.26*	-16.13	-16.28*	-16.11	-16.38	-15.75	-14.28	-13.54	--	--	--	-8.47	-9.49	9.22	0.46
	PZL0025	-19.24	-17.81*	-18.03	-16.86	-17.11	-16.99	-17.12	-17.14	-16.86	-16.38	-14.93	-15.68	-14.80	-11.64*	-9.00	-9.39	9.85	0.49
	PZL0026	-14.58	-14.61	-14.57	-14.21	-14.18	-14.16	-14.02	-14.09	-14.44	-13.64	-12.97	-12.93	-12.76	-10.47	-8.33	-8.49	6.09	0.30
	SWL0001	-18.09	-20.62	-18.28	-17.02	-17.23	-17.21	--	--	-30.53	-15.60	-14.82	-15.68	-14.56	-12.50	-9.29*	--	8.80	0.50
	SWL0002	-18.43	-18.43	-18.07	-17.44	-17.31	-17.06	--	-16.56	-16.63	-15.78	-14.75	-14.52	-14.14	-11.03	-9.06*	-9.99	8.44	0.42
	SWL0003	-18.97	-18.33	-17.91	-17.25	-17.14	-16.90*	--	-16.48	-16.69	-15.53	-14.50	-14.58	-14.18	-10.79	-9.04	-9.86	9.11	0.45
	SWL0004	-18.47	-18.51	-18.10	-17.57	-17.45	-17.07	--	-16.91	-17.18	-15.87	-15.02	--	-14.40	-11.06	-9.14*	-9.99	8.48	0.42
	SWL0005	-18.13	-18.51	-16.80	-16.16	-16.61	-16.37	-16.64	-16.65	-16.44	-13.88	-14.96	-15.33*	-15.02	-11.34	-9.16	-9.59	8.54	0.42
	SWL0006	-20.04	-19.81	-19.15	-18.62*	-18.73	-18.38	-18.22	-18.20	-18.39	-17.61	-16.93*	-16.93	-15.58	-12.21	-9.99	-10.58	9.46	0.47
	SWL0007	-16.65	-16.64	-16.29	-15.87	-15.49	-15.27	-14.93	-14.62	-14.61	-13.56	-12.51	-12.75	-12.59	-9.83	-8.13	-8.92	7.73	0.38
	SWL0008	-17.42	-17.42	-15.86	-15.06	-15.18	-15.40	-15.16	-15.57	-15.74	-14.60	-13.60	-14.32	-13.96	-10.86	-8.75	-9.70	7.72	0.38
	SWL0009	-15.34	-15.44	-12.87	-12.38	-12.89	-12.91	-12.69	-12.94	-12.23	-10.67	-9.68	-9.19	-10.18	-10.96	-6.88	-7.42	7.92	0.39
	SWL0012	-13.27	-13.29	-12.69	-12.30	-12.07	-11.87	-11.65	-11.58	-11.48	-10.82	-9.42	-9.51	-9.39	-6.88	-5.88	--	7.39	0.42
	SWL0015	-20.76	-20.89	-19.93	-19.19	-19.46	-18.75	-19.61	-19.09	-19.54	-18.96	-17.89	-17.91	-16.73	-12.52	-10.43	-10.84	9.92	0.49
	SWL0016	-18.28	-18.50	-17.27	-16.83	-17.26	-16.82*	-15.38	-16.72	-16.86	-16.08	-14.88	-15.15	-14.65	-10.99	-8.44	-9.57	8.71	0.43
	SWL0017	-17.75	-17.75	-17.01	-16.55	-16.64	-16.27	-16.13	-15.88	-16.20	-15.31	--	-14.45	-13.68	-10.46	-8.75	-9.50	8.25	0.41
	SWL0021	-20.34	-20.61	-19.55	-19.00	-19.24	-18.61	-18.82	-17.53	-19.39	-16.77	-17.73	-16.80	-16.62	-13.50	-10.38	-10.67	9.67	0.48
	SWL0024	-19.86	-20.11	-19.04	-18.49	-18.85	-18.22	-19.74	-18.65	-18.89	-16.43	-16.34	-16.41	-14.43	-11.77	-9.75	-10.23	9.63	0.48

TABLE 2
Time-Series Summary of Groundwater Elevations
2014 Groundwater Monitoring Report

HSU	Location	1994		1995			1996			1997	1998	1999	2000	2004	2006	2012	2014	Change in Level over Period of Record	Average Rate of Change in Level
		Jul	Oct	Mar	Jun	Oct	Jan	May	Oct	Jan	Feb	Jan	Jun	Jan	Oct	Feb	Sep	(ft)	(ft/yr)
Water Table	SWL0028	-17.86	-17.99	-17.17	-16.06	-15.82	-15.84	-15.63	-15.79	-15.79	-15.52	-13.28	-13.43	-13.54	-8.75	-10.56	-9.28	8.58	0.43
	SWL0038	-15.69	-15.72	-15.20	-14.77	-14.49	-14.18	-13.99	-13.79	-13.84	-12.55	-11.58	-11.98	-11.63	-9.12	-7.77	-8.56	7.13	0.35
	SWL0039	-14.37	-14.18	-13.75	-12.13	-12.90	-12.56	-12.40	-12.29	-12.27	-11.25	-10.13	-10.51	-10.72	-8.27	-7.34	--	7.03	0.40
	SWL0042	-21.47	-21.72	-20.83	-19.99	-20.43	-19.59	-19.99	-19.94	-20.23	-19.99	-18.45	-18.65	-17.48	-13.18	-10.78	-11.25	10.22	0.51
	SWL0044	--	--	--	-16.81	-17.26	-17.08	-16.62	-17.13	-16.40	-15.13	-15.21	-15.39	-15.00	-9.68	-8.49	-9.39	7.42	0.39
	SWL0045	--	--	--	--	-4.05	-4.14	-3.70	-4.03	-3.90	--	--	--	--	--	--	--	0.15	0.12
	SWL0046	--	--	--	--	-17.47	-17.08	-17.08	-16.29	-16.72	-16.44	-15.42	-15.62	-14.54	-10.65	-7.10	-7.69	9.78	0.52
	SWL0049	--	--	--	--	-18.85	-18.52	-18.21	-17.95	-18.13	-17.14	-16.26	-16.16	-15.33	-12.36	-9.75*	(-10.50)	9.10	0.56
	SWL0051	--	--	--	--	-14.87	-16.10*	-15.20	-15.30	-15.66	-15.38	-13.72	-14.40*	-14.04	-10.94	-8.63	-9.66	5.21	0.28
	SWL0057	--	--	--	--	-14.36*	-14.28	-14.52	-14.56	-14.41	-14.08	-12.61	-13.34	-12.99	-10.06	-7.91	-9.14	5.22	0.28
	SWL0059	--	--	--	--	--	--	--	--	--	--	--	--	--	-10.36	-8.69	-9.60	0.76	0.10
	SWL0068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-5.59	-5.78	-0.19	-0.07
	XGW-07A	-21.58	-19.82	-17.94*	-18.11	-18.46	-17.86	-17.96	-17.97	-17.92	-16.76	-15.92	17.57	-15.28	-12.69	-8.94	-9.38	12.20	0.61
	XMW-01	-19.75	-19.49	-19.27	-18.76	-18.48	-18.27	-17.87	-17.67	-17.53	-22.51	-15.56	-15.42	(-14.87)	(-11.95)	(-9.33)	(-10.28)	4.33	0.73
	XMW-01HD	-16.06	-16.15	-15.78	-15.41	-15.36	-15.19	-15.04	-15.02	-15.97	-14.61	--	-13.72	-13.35	-11.48	-8.83	-8.98	7.08	0.35
	XMW-01T	-18.36	-18.39	-17.80	-17.43	-17.29	-16.98	-16.70	-16.53	-16.29	-15.49	--	--	--	--	--	--	2.87	0.80
	XMW-02	--	--	--	--	--	--	--	--	--	--	--	--	(-13.76)	(-12.19)	(-9.52)	(-10.29)	-	-
	XMW-02HD	-14.93	-15.10	-14.92	-14.40	-14.57	-14.52	-14.68	-14.58	-14.56	--	-13.55	--	-13.21	-11.30	-8.80	-8.95	5.98	0.30
	XMW-02T	-18.52	-18.54	-17.98	-17.31	-17.41	-17.09	-16.82	-16.61	-16.36	-15.40	--	--	--	--	--	--	3.12	0.87
	XMW-03	--	-19.10	--	--	-18.17	-17.74	-17.34	-17.01	-17.14	-16.00	-15.12	-15.41	(-14.91)	(-11.95)	(-9.69)	(-10.39)	3.69	0.64
	XMW-03HD	-15.41	-15.54	-15.26	-14.68	-14.92	-14.78	-14.86	-14.76	-14.78	-14.24	-13.64	-13.54	-13.39	-11.21	-8.86	-9.27	6.14	0.30
	XMW-04	-18.89	-18.79	-18.64	-18.14	-17.84	-17.47	-17.06	-16.78	-16.74	-15.81	-14.95	-14.91	(-14.59)	(-11.80)	(-9.53)	(-10.31)	3.98	0.67
	XMW-04HD	-19.36	-19.57	-18.62	-17.83	-18.34	-18.68	-18.01	-17.81	-18.21	-17.44	-16.88	-16.81	-15.55	-12.09	-9.77	-10.05	9.31	0.46
	XMW-05	-18.98	-18.77	-18.58	-18.06	-17.79	-17.57	-17.16	-16.88	-16.89	-15.93	-14.97	-14.87	(-14.59)	(-11.63)	(-9.35)	(-10.29)	4.11	0.69
	XMW-06	-19.56	-19.40	-19.12	-18.77	-18.61	-18.03	-17.74	-17.46	-17.12	-16.59	-15.52	--	(-14.82)	(-12.16)	(-9.52)	(-10.26)	4.04	0.89
	XMW-07	--	--	--	--	-18.34	--	--	--	--	--	--	--	(-14.78)	(-12.52)	(-9.80)	(-10.06)	-	-
	XMW-08	--	--	--	--	-67.17	--	-66.23	--	--	--	--	--	(-20.49)	(-11.81)	(-9.31)	(-9.82)	0.94	1.48
	XMW-09	-18.87	-18.77	-18.45	-18.15	-17.93	-17.56	-17.06	-16.77	-16.89	--	--	-19.73	(-16.45)	(-11.38)	(-9.19)	(-9.99)	-0.86	-0.14
	XMW-10	-18.91	-18.76	-18.45	-18.02	-17.73	-17.48	-17.02	-16.85	-16.87	-15.88	-14.86	-14.81	(-14.42)	(-11.46)	(-9.21)	(-10.23)	4.10	0.69
	XMW-11	-19.33	-19.32	-19.06	-18.53	-18.24	-18.05	-17.57	-17.42	-17.31	-16.52	-15.48	-15.35	(-14.77)	(-11.77)	(-9.38)	(-10.29)	3.98	0.67
	XMW-12	-19.20	-19.52	-19.11	-18.52	-18.35	-18.18	-17.69	-17.64	-17.44	-16.68	-15.65	-15.65	(-14.98)	(-11.90)	(-9.43)	(-10.29)	3.55	0.60
	XMW-13	-19.79	-19.62	-19.28	-18.57	-18.48	-18.17	-17.80	-17.77	-17.83	-16.69	-15.93	-15.85	(-15.15)	(-12.03)	(-9.66)	(-10.48)	3.94	0.66
	XMW-14	-19.71	-19.70	-19.42	-18.86	-18.68	-18.36	-18.04	-17.92	-17.94	-16.85	-15.51	-15.79	(-15.04)	(-12.18)	(-9.69)	-10.36	9.35	0.46
	XMW-16	--	-19.96	-19.66	--	-19.05	-18.71	-18.26	-17.91	-17.72	-17.01	-16.18	--	(-15.11)	(-12.44)	(-9.71)	(-10.08)	3.78	0.88
	XMW-17	--	--	--	--	-18.48	--	--	--	--	--	--	--	(-14.75)	(-12.12)	(-9.67)	(-9.92)	-	-
	XMW-19	-18.34	-18.14	-17.94	-17.59	-17.38	-17.02	-16.49	-16.26	-16.42	-15.30	-14.24	--	(-14.20)	--	(-9.07)	(-10.11)	4.10	0.90
	XMW-20	-18.40	-18.41	-18.06	-17.39	-17.18	--	--	--	--	-15.79	-14.96	--	-14.32	-11.64	-9.30*	--	9.10	0.52
	XMW-21	-18.62	-18.84	-18.29	-18.37	-17.91	-17.48	-17.19	-17.15	-17.14	-16.19	-15.36	-15.51	-15.85	(-11.55)	-9.53*	-10.26	8.36	0.42
	XMW-22	-19.99	-20.02	-19.75	-19.20	-18.97	-18.49	-18.30	-17.97	-17.99	-17.18	-16.21	--	(-15.31)	(-12.35)	(-9.83)	(-10.31)	3.78	0.83
	XMW-23	-20.19	-20.25	-19.49	-18.67	-18.71	-18.42	-18.32	-18.25	-18.37	-17.72	--	--	-15.40	(-11.77)	(-9.67)	(-10.46)	1.31	0.17
	XMW-24	-19.83	-19.81	-19.12	-18.35	-18.41	-18.21	-18.12	-18.05	-18.22	-17.36	-16.07	-16.53	-15.22	(-12.14)	-9.85	(-10.60)	1.54	0.20
	XMW-25	-21.03	-21.04	-20.38	-19.77	-19.93	-19.40	-19.34	-18.82	-19.04	-18.70	-17.87	-22.36	(-16.68)	(-12.93)	(-10.70)	(-11.07)	5.61	0.53
	XMW-26	-20.09	-19.95	-19.74	-19.17	-18.84	-18.52	-18.24	-18.01	-17.97	-17.20	-16.01	-16.06	(-15.23)	(-12.18)	(-9.64)	(-10.21)	4.03	0.67
	XMW-27	-18.70	-18.65	-18.27	-17.90	-17.71	-17.42	-16.96	-16.93	-16.56	-15.92	-14.98	-15.01	(-14.45)	(-11.48)	(-9.27)	-10.26	8.44	0.42
	XMW-28	-19.17	-19.33	-18.67	-18.61	-18.23	-17.98*	-17.57	-17.43	-17.52	-16.67	-15.79*	-15.72	-14.89	--	-9.88*	-10.57	8.60	0.43
	XMW-29	-19.79	-19.76	-19.12	-18.56	-18.69	-18.29	-17.92	-17.95	-17.75	-16.98	-16.03	-15.73	-15.00	-11.85	(-9.80)	-10.39	9.40	0.47

TABLE 2
Time-Series Summary of Groundwater Elevations
2014 Groundwater Monitoring Report

HSU	Location	1994		1995			1996			1997	1998	1999	2000	2004	2006	2012	2014	Change in Level over Period of Record	Average Rate of Change in Level
		Jul	Oct	Mar	Jun	Oct	Jan	May	Oct	Jan	Feb	Jan	Jun	Jan	Oct	Feb	Sep	(ft)	(ft/yr)
Water Table	XMW-30	-19.89	-19.83	-19.25	-18.28	-18.44	-18.07	-18.03	-17.78	-18.01	-17.10	-16.00	-16.26	(-15.03)	(-11.64)	-9.59*	(-10.16)	10.30	0.59
	XMW-31	--	--	--	--	--	--	--	--	--	--	--	--	--	(-12.01)	(-9.73)	(-9.91)	2.10	0.27
	XP-02	-19.43	-19.64	-17.50	-17.96	-18.08	-17.74	-17.47	--	-17.09	-15.41	-15.85	-16.05	-15.29	-11.80	-9.63*	-10.45	8.98	0.44
	XUBT-01	--	--	--	--	--	--	--	--	--	--	--	--	(-14.88)	(-12.38)	(-9.83)	(-10.40)	4.48	0.42
	XUBT-02	--	--	--	--	--	--	--	--	--	--	--	--	(-14.91)	(-11.99)	(-9.85)	(-10.42)	4.49	0.42
	XUBT-03	--	--	--	--	--	--	--	--	--	--	--	--	(-14.88)	(-11.90)	(-9.86)	(-10.40)	4.48	0.42
MBFB	PZL0021	-20.01	-20.19	-19.22	-18.98	-18.88	-18.58	-13.42	-18.04	-17.87	-17.29	-15.26	-16.46	-15.91	--	--	--	4.10	0.43
	SWL0001	-18.09	-20.62	-18.28	-17.02	-17.23	-17.21	--	--	-30.53	-15.60	-14.82	-15.68	-14.56	-12.50	-9.29*	--	8.80	0.50
	SWL0002	-18.43	-18.43	-18.07	-17.44	-17.31	-17.06	--	-16.56	-16.63	-15.78	-14.75	-14.52	-14.14	-11.03	-9.06*	-9.99	8.44	0.42
	SWL0003	-18.97	-18.33	-17.91	-17.25	-17.14	-16.90*	--	-16.48	-16.69	-15.53	-14.50	-14.58	-14.18	-10.79	-9.04	-9.86	9.11	0.45
	SWL0004	-18.47	-18.51	-18.10	-17.57	-17.45	-17.07	--	-16.91	-17.18	-15.87	-15.02	--	-14.40	-11.06	-9.14*	-9.99	8.48	0.42
	SWL0011	-20.19	-20.44	-19.25	-18.86	-19.05	-18.33	-18.71	-18.83	-18.60	-18.13	-17.46	--	-12.61	-10.73	-8.84	--	11.35	0.65
	SWL0019	-21.77	-22.07	-20.99	-20.55	-20.67	-19.49	-20.86	-20.78	-20.72	-19.97	-19.41	-19.39	-17.93	-13.60	-11.85	-11.91	9.86	0.49
	SWL0023	-21.08	-21.36	-20.08	-19.88	-19.99	-19.05	-19.74	-19.94	-19.91	-19.18	-18.66	-18.74	-18.22	-13.05	-11.26	-11.59	9.49	0.47
	SWL0029	-18.05	-18.10	-17.51	-17.10	-16.97	-16.66	-16.29	-16.27	-15.87	-15.05	-14.14*	-14.31	-13.85	-10.61*	-8.91	-10.03	8.02	0.40
	SWL0032	-18.45	-18.63	-18.06	-17.45	-17.41	-17.12	--	-16.92	-17.33	-15.85	-15.09	-16.81	-14.51	-13.18	-9.39	-10.21	8.24	0.41
	SWL0037	-19.13	-19.33	-18.28	-17.94	-17.98	-17.58	-17.53	-17.55	-17.58	-16.79	-15.79	-16.04	-15.19	-11.53*	-9.47	-10.31	8.82	0.44
	SWL0041	-21.25	-21.68	-20.10*	-19.10	-19.21	-18.64	-18.81	-18.89	-18.70	-18.16	-17.40	-17.52	-16.47	-12.39	-10.50	-10.82	10.43	0.52
	SWL0047	--	--	--	--	-17.77	-17.43	-17.27	-17.16	-17.06	-21.34	-15.39	-15.60	-14.84	-11.52	-9.53	-10.36	7.41	0.39
	SWL0048	--	--	--	--	-18.43	-18.01	-17.90	-17.94	-17.93	-17.11	-16.00	-16.42	-15.52	-12.11	-9.80	-10.90	7.53	0.40
	SWL0049	--	--	--	--	-18.85	-18.52	-18.21	-17.95	-18.13	-17.14	-16.26	-16.16	-15.33	-12.36	-9.75*	(-10.50)	9.10	0.56
	SWL0050	--	--	--	--	-18.85	-18.35	-18.32	-18.30	-18.00	-17.42	-16.73	-16.85	-15.96	-12.37	-10.26	-10.80	8.05	0.43
	SWL0052	--	--	--	--	-19.15	-18.33	-18.86	-18.95	-18.74	--	-17.58	-17.69	-16.50	-12.40	-10.58	-10.85	8.30	0.44
	SWL0056	--	--	--	--	-19.77*	-19.09	-19.63	-19.76	-19.54	-19.08	-18.15	-18.42	-17.21	-13.20	-11.03	-11.43	8.34	0.44
	XG-01WC	--	--	-22.36*	-18.21*	-19.23	-18.63	-18.96	-28.79	-18.86	-18.33	-17.52	-17.67	-16.57	-12.62	-10.56	-11.01	11.35	0.58
	XG-02WC	--	--	-19.59*	-19.38*	-19.97	-18.95	-18.82	-19.03	-19.07	-19.29	-17.50	-17.63	-16.39	-12.67	-10.57	-11.06	8.53	0.44
	XGW-07C	-19.69	-20.93	-19.62	-20.26	-20.52	-19.55*	-20.39	-19.53	-19.79	-19.12	-18.28	-19.36	-16.99	-13.54	-10.84	-11.21	8.48	0.42
	XMW-01	-19.75	-19.49	-19.27	-18.76	-18.48	-18.27	-17.87	-17.67	-17.53	-22.51	-15.56	-15.42	(-14.87)	(-11.95)	(-9.33)	(-10.28)	4.59	0.43
	XMW-01T	-18.36	-18.39	-17.80	-17.43	-17.29	-16.98	-16.70	-16.53	-16.29	-15.49	--	--	--	--	--	--	2.87	0.80
	XMW-02	--	--	--	--	--	--	--	--	--	--	--	--	(-13.76)	(-12.19)	(-9.52)	(-10.29)	3.47	0.33
	XMW-02T	-18.52	-18.54	-17.98	-17.31	-17.41	-17.09	-16.82	-16.61	-16.36	-15.40	--	--	--	--	--	--	3.12	0.87
	XMW-03	--	-19.10	--	--	-18.17	-17.74	-17.34	-17.01	-17.14	-16.00	-15.12	-15.41	(-14.91)	(-11.95)	(-9.69)	(-10.39)	4.52	0.43
	XMW-04	-18.89	-18.79	-18.64	-18.14	-17.84	-17.47	-17.06	-16.78	-16.74	-15.81	-14.95	-14.91	(-14.59)	(-11.80)	(-9.53)	(-10.31)	4.28	0.40
	XMW-05	-18.98	-18.77	-18.58	-18.06	-17.79	-17.57	-17.16	-16.88	-16.89	-15.93	-14.97	-14.87	(-14.59)	(-11.63)	(-9.35)	(-10.29)	4.30	0.41
	XMW-06	-19.56	-19.40	-19.12	-18.77	-18.61	-18.03	-17.74	-17.46	-17.12	-16.59	-15.52	--	(-14.82)	(-12.16)	(-9.52)	(-10.26)	4.56	0.43
	XMW-07	--	--	--	--	-18.34	--	--	--	--	--	--	--	(-14.78)	(-12.52)	(-9.80)	(-10.06)	4.72	0.44
	XMW-08	--	--	--	--	-67.17	--	-66.23	--	--	--	--	--	(-20.49)	(-11.81)	(-9.31)	(-9.82)	10.67	1.00
	XMW-09	-18.87	-18.77	-18.45	-18.15	-17.93	-17.56	-17.06	-16.77	-16.89	--	--	-19.73	(-16.45)	(-11.38)	(-9.19)	(-9.99)	6.46	0.61
	XMW-10	-18.91	-18.76	-18.45	-18.02	-17.73	-17.48	-17.02	-16.85	-16.87	-15.88	-14.86	-14.81	(-14.42)	(-11.46)	(-9.21)	(-10.23)	4.19	0.39
	XMW-11	-19.33	-19.32	-19.06	-18.53	-18.24	-18.05	-17.57	-17.42	-17.31	-16.52	-15.48	-15.35	(-14.77)	(-11.77)	(-9.38)	(-10.29)	4.48	0.42
	XMW-12	-19.20	-19.52	-19.11	-18.52	-18.35	-18.18	-17.69	-17.64	-17.44	-16.68	-15.65	-15.65	(-14.98)	(-11.90)	(-9.43)	(-10.29)	4.69	0.44
	XMW-13	-19.79	-19.62	-19.28	-18.57	-18.48	-18.17	-17.80	-17.77	-17.83	-16.69	-15.93	-15.85	(-15.15)	(-12.03)	(-9.66)	(-10.48)	4.67	0.44
	XMW-14	-19.71	-19.70	-19.42	-18.86	-18.68	-18.36	-18.04	-17.92	-17.94	-16.85	-15.51	-15.79	(-15.04)	(-12.18)	(-9.69)	-10.36	5.35	0.66
	XMW-16	--	-19.96	-19.66	--	-19.05	-18.71	-18.26	-17.91	-17.72	-17.01	-16.18	--	(-15.11)	(-12.44)	(-9.71)	(-10.08)	5.03	0.47
	XMW-17	--	--	--	--	-18.48	--	--	--	--	--	--	--	(-14.75)	(-12.12)	(-9.67)	(-9.92)	4.83	0.45
	XMW-19	-18.34	-18.14	-17.94	-17.59	-17.38	-17.02	-16.49	-16.26	-16.42	-15.30	-14.24	--	(-14.20)	--	(-9.07)	(-10.11)	4.09	0.38
	XMW-20	-18.40	-18.41	-18.06	-17.39	-17.18	--	--	--	--	-15.79	-14.96	--	-14.32	-11.64	-9.30*	--	9.10	0.52

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2014 Groundwater Monitoring Report

HSU	Location	1994		1995			1996			1997	1998	1999	2000	2004	2006	2012	2014	Change in Level over Period of Record	Average Rate of Change in Level
		Jul	Oct	Mar	Jun	Oct	Jan	May	Oct	Jan	Feb	Jan	Jun	Jan	Oct	Feb	Sep	(ft)	(ft/yr)
MBFB	XMW-21	-18.62	-18.84	-18.29	-18.37	-17.91	-17.48	-17.19	-17.15	-17.14	-16.19	-15.36	-15.51	-15.85	(-11.55)	-9.53*	-10.26	8.36	0.42
	XMW-22	-19.99	-20.02	-19.75	-19.20	-18.97	-18.49	-18.30	-17.97	-17.99	-17.18	-16.21	--	(-15.31)	(-12.35)	(-9.83)	(-10.31)	5.00	0.47
	XMW-26	-20.09	-19.95	-19.74	-19.17	-18.84	-18.52	-18.24	-18.01	-17.97	-17.20	-16.01	-16.06	(-15.23)	(-12.18)	(-9.64)	(-10.21)	5.02	0.47
	XMW-27	-18.70	-18.65	-18.27	-17.90	-17.71	-17.42	-16.96	-16.93	-16.56	-15.92	-14.98	-15.01	(-14.45)	(-11.48)	(-9.27)	-10.26	5.18	0.64
	XMW-28	-19.17	-19.33	-18.67	-18.61	-18.23	-17.98*	-17.57	-17.43	-17.52	-16.67	-15.79*	-15.72	-14.89	--	-9.88*	-10.57	8.60	0.43
	XMW-29	-19.79	-19.76	-19.12	-18.56	-18.69	-18.29	-17.92	-17.95	-17.75	-16.98	-16.03	-15.73	-15.00	-11.85	(-9.80)	-10.39	9.40	0.47
	XMW-30	-19.89	-19.83	-19.25	-18.28	-18.44	-18.07	-18.03	-17.78	-18.01	-17.10	-16.00	-16.26	(-15.03)	(-11.64)	-9.59*	(-10.16)	4.87	0.46
	XP-02	-19.43	-19.64	-17.50	-17.96	-18.08	-17.74	-17.47	--	-17.09	-15.41	-15.85	-16.05	-15.29	-11.80	-9.63*	-10.45	8.98	0.44
	XP-03	--	--	-19.20*	-19.29	-19.22	-18.53	-18.89	-18.98	-18.78	-18.33	-17.56	-17.67	-16.85	-12.83	-10.83	-11.26	7.94	0.41
MBFB/MBFC	SWL0010	-20.10	-20.38	-19.07	-18.78	-18.94	-18.10	-18.79	-19.00	-18.92	-18.63	-17.66	-17.62	-16.38	-12.14	-10.69	-11.12	8.98	0.45
	SWL0060	--	--	--	--	--	--	--	--	--	--	--	--	--	-12.29	-10.63	-10.93	1.36	0.17
MBFC	SWL0013	-20.20	-20.48	-19.28	-18.88	-19.03	-18.37	-18.74	-18.87	-18.83	-18.22	-17.54	--	-15.01	-11.09	-9.06	-9.65	10.55	0.52
	SWL0014	-21.56	-21.82	-20.71	-20.27	-20.42	-19.31	-20.14	-20.32	-20.29	-19.55	-18.91	-18.96	-16.48	--	--	--	5.08	0.53
	SWL0018	-19.89	-20.12	-19.23	-19.03	-18.74	-18.25	-18.27	-18.37	-18.38	-17.41	-16.73*	-16.85	-15.88	-12.30	-10.13	-10.94	8.95	0.44
	SWL0027	-21.95	-22.15	-20.97	-20.62	-20.77	-19.67	-20.46	-20.66	-20.39	-19.87	-19.07	-19.24	-17.84	-13.67	-11.70	--	10.25	0.58
	SWL0030	-18.09	-18.13	-17.53	-17.14	-17.03	-16.67	-16.36	-16.22	-15.93	-15.11	-14.26*	-14.46	-13.87	-10.56*	-9.03	-10.15	7.94	0.39
	SWL0033	-20.18	-20.34	-19.48	-18.95	-19.00	-18.52	-18.48	-18.45	-18.55	-17.58	-16.86	-16.97	-16.16	-12.40	--	--	7.78	0.63
	SWL0035	-19.19	-19.41	-18.38	-18.02	-18.08	-17.64	-17.63	-17.61	-17.63	-16.89	-15.91	-16.14	-15.24	-11.30*	-9.50	-10.08	9.11	0.45
	SWL0040	-20.49	-20.25	-19.31*	-19.22	-19.35	-18.75	-19.03	-19.05	-18.79	-18.21	-17.54	-17.50	-16.27	-12.64	-10.51	-10.98	9.51	0.47
	SWL0043	-22.31	-21.79	-20.66	-20.26	-20.40	-19.30	-20.11	-20.24	-21.15	-19.50	-18.86	-18.92	--	--	--	--	3.39	0.57
	SWL0053	--	--	--	--	-19.09	-18.24	-18.79	-18.88	-19.72	-18.21	-17.50	-17.57	-16.42	-12.31	-10.78	-10.66	8.43	0.45
	SWL0054	--	--	--	--	-17.87*	-17.67	-17.47	-17.39	-17.48	-16.45	-15.60	-15.80	--	-11.60	-9.68	-10.39	7.48	0.40
	SWL0055	--	--	--	--	-18.63*	-18.23	-18.22	-18.22	-17.99	-17.46	-16.69	-16.81	-15.90	-12.32	-10.40	-10.84	7.79	0.41
	SWL0058	--	--	--	--	--	-18.17	-17.97	-17.95	-18.06	-17.18	-16.29	-16.39	-15.56	-12.26	-7.94	-10.55	7.62	0.41
	SWL0061	--	--	--	--	--	--	--	--	--	--	--	--	--	-11.51*	-9.74	-10.50	1.01	0.13
	SWL0064	--	--	--	--	--	--	--	--	--	--	--	--	--	-11.95	-9.86	-10.50	1.45	0.18
	SWL0065	--	--	--	--	--	--	--	--	--	--	--	--	--	-11.71	-9.36	-9.95	1.76	0.22
	XBF-01	-19.37	-19.45	-18.90	-18.48	-18.32	-17.71	-17.48	-17.30	-17.28	-16.10	-15.28	-15.78	(-15.19)	(-11.80)	(-10.05)	(-10.52)	4.67	0.44
	XBF-02	-19.39	-19.43	-19.03	-18.66	-18.57	-18.00	-17.63	-17.46	-17.45	-16.33	-15.61	-16.05	(-15.05)	(-11.92)	(-9.80)	(-10.17)	4.88	0.46
	XBF-03	-19.42	-19.36	-18.93	-18.57	-18.36	-17.92	-17.55	-17.41	-17.40	-16.29	-15.56	-15.97	(-15.24)	(-12.85)	(-9.99)	(-10.57)	4.67	0.44
	XBF-04	-19.37	-19.52	-19.01	-18.63	-18.45	--	-17.27	-17.36	-17.50	-16.35	-15.64	-16.05	(-15.12)	(-12.11)	(-9.84)	(-10.31)	4.81	0.45
	XBF-05	-19.30	-19.78	-19.02	-18.57	-18.52	--	-17.89	-17.89	-17.52	-16.95	-16.01	-16.21	--	(-11.95)	(-9.93)	(-10.63)	1.32	0.17
	XBF-06	-19.29	-19.98	-19.32	-18.82	-18.78	-18.36	-18.15	-18.10	-18.16	-17.16	-16.46	-16.47	(-15.55)	(-12.08)	(-10.00)	-10.67	5.55	0.69
	XBF-07	-19.91	-20.16	-19.55	-19.02	-18.99	-18.55	-18.29	-18.21	-18.20	-17.31	-16.60	-16.68	(-15.32)	(-12.27)	(-10.20)	(-10.61)	4.71	0.44
	XBF-09	-19.41	-19.46	-18.93	-18.55	-18.18	-17.87	-17.53	-18.55	-13.04	-16.02	-15.22	-15.76	(-15.06)	(-11.76)	(-11.01)	(-10.41)	4.65	0.44
	XBF-10	-21.32	-21.48	-20.44	-19.99	-20.12	-19.12*	-19.65	-19.85	-19.90	-19.06	-18.41	-18.55	(-17.57)	(-13.21)	(-11.11)	(-11.50)	6.07	0.57
	XBF-13	-20.53	-20.67	-19.57	-19.18	-19.27	-18.66	-18.96	-19.14	-19.16	-18.18	-17.57	-17.69	(-16.62)	(-12.58)	(-10.35)	-11.02	6.27	0.78
	XBF-14	-20.59	-20.64	-19.83	-19.34	-19.35	-18.84	-18.84	-18.81	-18.90	-18.11	-17.03	-17.38	(-16.29)	(-12.70)	(-10.56)	(-11.00)	5.29	0.50
	XBF-15	-20.93	-21.01	-20.27	-19.76	-19.72	-19.25	-19.16	-20.55	-19.18	-18.40	-17.41	-17.64	(-16.26)	(-12.63)	(-10.43)	(-10.87)	5.39	0.51
	XBF-19	-19.29	-19.33	-18.59	-18.28	-18.16	-17.82	-17.52	-17.52	-17.26	-16.51	-15.66	-15.80	--	-11.73	(-9.68)	(-10.61)	-0.93	-0.37
	XBF-20	--	--	--	--	-67.03	--	--	--	--	--	--	--	(-15.20)	(-12.09)	(-10.27)	(-10.28)	4.92	0.46
	XBF-23	-20.40	-20.52	-19.66	-19.16*	-19.18	-18.77	-18.69	-18.73	-18.81	-18.03	-17.32*	-17.26	-16.30	-12.56	(-10.37)	(-10.76)	-0.39	-0.15
	XBF-34	--	--	--	--	--	--	--	--	--	--	--	--	--	(-11.86)	(-10.18)	(-13.97)	-2.11	-0.27
	XBF-35	--	--	--	--	--	--	--	--	--	--	--	--	--	(-11.72)	(-9.95)	(-9.95)	1.77	0.22
Gage	SWL0020	-23.62	-24.21	-22.40	-22.52	-22.76	-21.93	-23.37	-23.22	-23.07	-22.46	-22.07	--	-20.32	--	-14.25	-13.94	9.68	0.48
	SWL0022	-22.47	-23.04	-21.33	-21.42	-21.41	-20.98	-21.65	-21.80	-21.62	-21.16	-20.55	--	-19.08	-14.52	-13.40	-13.39	9.08	0.45
	SWL0025	-23.63	-24.30	-22.42	-22.50	-22.77	-21.96	-23.06	-23.56	-23.39	-22.77	-22.36	-21.78	-20.11	-15.00	-13.36	-13.43	10.20	0.51

TABLE 2
Time-Series Summary of Groundwater Elevations
2014 Groundwater Monitoring Report

HSU	Location	1994		1995			1996			1997	1998	1999	2000	2004	2006	2012	2014	Change in Level over Period of Record	Average Rate of Change in Level
		Jul	Oct	Mar	Jun	Oct	Jan	May	Oct	Jan	Feb	Jan	Jun	Jan	Oct	Feb	Sep	(ft)	(ft/yr)
Gage	SWL0026	-23.17	-23.63	-21.98	-22.08	-22.18	-21.37	-22.12	-22.42	-22.20	-21.70	-21.12	-21.14	-19.51	-14.95	--	-13.25	9.92	0.49
	SWL0031	-20.10	-20.54	-19.27	-19.23	-19.08	-18.49	-18.56	-18.55	-18.14	-17.38	-16.94	-17.47	-16.33	-12.41*	-11.59	--	8.51	0.48
	SWL0034	-21.62	-22.03	-20.67	-20.66	-20.64	-20.10	-20.34	-20.40	-20.28	-19.54	-19.13	-19.21	(-17.95)	-13.84	--	--	7.78	0.63
	SWL0036	-21.97	-22.39	-20.77	-20.98	-20.91	-20.34	-20.78	-21.07	-20.89	-20.16	-19.67	-19.90	-18.63	-14.27*	-12.99	-13.16	8.81	0.44
	SWL0063	--	--	--	--	--	--	--	--	--	--	--	--	--	-13.51	-12.26	-12.57	0.94	0.12
	SWL0066	--	--	--	--	--	--	--	--	--	--	--	--	--	-13.00	-11.88	-12.24	0.76	0.10
	SWL0067	--	--	--	--	--	--	--	--	--	--	--	--	--	-12.64	-11.80	--	0.84	0.16
	XDA-1B	-22.90	-23.46	-21.82	-21.85	-21.97	-20.95	-22.08	-22.05	-21.95	-21.28	-20.86	-20.82	-24.65	--	--	--	-1.75	-0.18
	XG-01	-19.01	-19.37	-19.25	-19.10	-18.89	-18.32	-18.11	-15.40	-17.88	-16.91	-16.44	-17.03	(-15.87)	(-12.27)	(-11.16)	(-11.48)	4.39	0.41
	XG-02	-20.41	-20.75	-19.65	-19.57	-19.41	-18.86	-18.76	-18.77	-18.67	-17.67	-17.15	-17.67	(-16.18)	(-12.86)	(-11.67)	(-11.85)	4.33	0.41
	XG-03	-20.17	-20.49	-19.49	-19.35	-20.15	-18.49	-18.30	-16.38	-18.24	-17.32	-16.78	-17.33	(-16.11)	(-12.48)	(-11.24)	(-11.38)	4.73	0.44
	XG-04	-20.70	-21.14	-19.89	-19.00	-19.66	-19.18	-19.18	-19.24	-18.77	-18.27	-17.67	-18.04	(-16.72)	(-12.91)	(-11.75)	(-12.02)	4.70	0.44
	XG-05	-20.81	-21.19	-20.01	-19.90	-19.79	-19.28	-19.29	-19.36	-19.15	-18.42	-17.95	-18.16	(-17.02)	(-13.11)	(-11.70)	(-11.88)	5.14	0.48
	XG-06	-20.86	-21.25	-20.03	-19.89	-19.90	-19.31	-19.28	--	--	-18.40	-18.02	-18.23	(-16.93)	(-13.08)	(-11.68)	(-11.83)	5.10	0.48
	XG-08	-21.48	-21.89	-20.60	-20.57	-20.54	-19.98	-20.12	-18.71	-20.09	-19.48	-18.81	-18.99	(-17.88)	(-13.82)	(-12.25)	(-12.28)	5.60	0.53
	XG-09	-22.74	-23.17	-21.64	-21.70	-21.77	--	-22.01	-21.90	-21.60	-21.11	-20.55	-20.66	(-19.19)	(-14.61)	(-13.10)	(-13.12)	6.07	0.57
	XG-11	-22.36	-22.86	-21.23	-21.35	-21.40	-20.84	-21.33	-21.58	-21.47	-20.84	-20.36	-20.39	(-19.04)	(-14.46)	(-13.19)	(-13.36)	5.68	0.53
	XG-12	-22.03	-22.49	-20.99	-20.97	-21.06	-20.43	-20.75	-20.94	-20.93	-20.18	-19.57	--	(-18.50)	(-15.10)	(-12.65)	(-12.77)	5.73	0.54
	XG-13	-22.02	-22.53	-21.03	-21.01	-21.05	-20.47	-20.72	-20.86	-20.75	-20.12	-19.49	-19.65	(-18.26)	(-14.03)	(-12.56)	(-12.56)	5.70	0.54
	XG-14	-20.45	-20.85	-19.61	-19.60	-19.43	-18.87	-18.86	-18.93	-18.49	-17.88	-17.37	-19.32	-16.58	-12.80	(-11.57)	(-12.03)	-0.46	-0.18
	XG-15	-20.30	-20.59	-19.68	-22.13	-19.32	-18.74	-18.53	-21.07	-18.28	-17.52	-17.10	-17.50	(-17.88)	(-12.53)	(-11.17)	(-11.18)	6.70	0.63
	XG-16	-21.59	-22.00	-20.74	-20.70	-20.65	-20.12	-20.17	-20.19	-20.13	-19.50	-19.88	-19.05	(-17.63)	(-13.68)	(-12.15)	(-12.10)	5.53	0.52
	XG-17	-21.55	-21.95	-20.56	-20.58	-20.59	-20.01	-20.24	-20.40	-20.21	-19.51	-19.06	--	(-17.31)	(-13.61)	(-12.22)	(-12.26)	5.05	0.47
	XG-18	-23.00	-23.38	-24.09	-21.90	-22.03	-21.23	-21.82	-22.13	-21.85	-21.45	-20.85	-20.82	(-19.50)	(-14.89)	(-13.13)	(-13.15)	6.35	0.60
	XG-19	-22.74	-23.07	-21.67	-21.63	-21.73	-21.09	-21.45	-16.84	-21.40	-21.06	-20.54	-20.40	(-18.97)	--	--	--	2.34	0.39
	XG-19A	--	--	--	--	--	--	--	--	--	--	--	--	--	(-14.45)	(-12.37)	(-12.88)	1.57	0.20
	XG-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(-11.00)	(-11.02)	-0.02	-0.01
	XG-21	--	--	--	--	--	--	--	--	--	--	--	--	--	(-12.30)	(-11.65)	(-11.79)	0.51	0.06
	XLG-01	-20.42	-20.75	-19.66	-19.58	-19.41	-18.87	-18.72	-21.45	-18.60	-17.66	-17.21	-17.68	(-16.45)	(-12.73)	(-11.48)	(-11.68)	4.77	0.45
	XLG-02	-20.18	-20.53	-19.51	-19.36	-19.22	-18.63	-18.41	-18.45	-18.32	-17.35	-16.88	-17.38	(-16.22)	(-12.76)	(-11.27)	(-11.59)	4.63	0.44

Notes:
-- - Not Available
* = Measurement taken before purging during sample round.
All elevations in feet MSL.
Measurments in parenthesis "( )" provided by Montrose.
Well SWL0032 contained 2.33 feet of NAPL during the September 2014 monitoring event
Well PZL0019 contained 1.65 feet of NAPL at the bottom of the well during the September 2014 monitoring event

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
MWC017	MBFC	pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(77)
MWC021	MBFC	pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
PZL0001	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51	9.6|J
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.28|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
				Dichlordifluoromethane	µg/L	--	--	--	3.0	--	--	--	--	--	--	--	--	--	--	5.3	2.9
				Ethylbenzene	µg/L	--	--	--	0.38|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
PZL0003	Water Table	VOCs	8240/60	Chloroform	µg/L	--	--	--	3.1	--	--	--	--	--	--	--	--	--	--	--	--
				Tetrachloroethene	µg/L	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--
				Trichloroethene	µg/L	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--
PZL0004	Water Table	VOCs	8240/60	Acetone	µg/L	--	--	--	7.3|J	--	--	--	--	--	--	--	--	--	--	--	--
				Bromodichloromethane	µg/L	--	--	--	0.68|J	--	--	--	--	--	--	--	--	--	--	--	--
				Chloroform	µg/L	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--	--	--
				Tetrachloroethene	µg/L	--	--	--	0.74|J	--	--	--	--	--	--	--	--	--	--	--	--
PZL0005	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--
				n-Butylbenzene	µg/L	--	--	--	--	1.5	--	--	--	--	--	--	--	--	--	--	--
				sec-Butylbenzene	µg/L	--	--	--	--	4.0	--	--	--	--	--	--	--	--	--	--	--
				1,2-Dichloroethane	µg/L	--	--	--	--	0.65	--	--	--	--	--	--	--	--	--	--	--
				Ethylbenzene	µg/L	--	--	--	--	780	--	--	--	--	--	--	--	--	--	--	--
				2-Hexanone	µg/L	--	--	--	--	24	--	--	--	--	--	--	--	--	--	--	--
				Isopropylbenzene	µg/L	--	--	--	--	9.2	--	--	--	--	--	--	--	--	--	--	--
				n-Propylbenzene	µg/L	--	--	--	--	5.5	--	--	--	--	--	--	--	--	--	--	--
				Styrene	µg/L	--	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--
				Toluene	µg/L	--	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--	--
				m,p-Xylene	µg/L	--	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--
PZL0006	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	<2.1Ux|	--	--	--	--	--	--	--	--	--	--	--	0.18|J
				sec-Butylbenzene	µg/L	--	--	--	0.93|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,1-Dichloroethene	µg/L	--	--	--	1.2	--	--	--	--	--	--	--	--	--	--	--	<1.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--	--	1.1
				Tetrachloroethene	µg/L	--	--	--	2.6	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Trichloroethene	µg/L	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	--	<1.0
				m,p-Xylene	µg/L	--	--	--	0.79|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
PZL0007	Water Table	VOCs	8240/60	Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.40|J
PZL0009	Water Table	VOCs	8240/60	Acetone	µg/L	--	--	--	7.3|J	--	--	--	--	--	--	--	--	--	--	--	<20
				Benzene	µg/L	--	--	--	72Jm|	--	--	--	--	--	--	--	--	--	--	--	11
				n-Butylbenzene	µg/L	--	--	--	2.1	--	--	--	--	--	--	--	--	--	--	--	<1.0
				sec-Butylbenzene	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	21
				Chlorobenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.27|J
				Chloroform	µg/L	--	--	--	0.51|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71
				1,2-Dichloroethane	µg/L	--	--	--	6.3	--	--	--	--	--	--	--	--	--	--	--	<0.50
				cis-1,2-Dichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.88|J
				trans-1,2-Dichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.52|J
				Ethylbenzene	µg/L	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--	0.93|J
				Isopropylbenzene	µg/L	--	--	--	16	--	--	--	--	--	--	--	--	--	--	--	<1.0
				n-Propylbenzene	µg/L	--	--	--	0.19|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Toluene	µg/L	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	0.58|J
				Trichloroethene	µg/L	--	--	--	0.46|J	--	--	--	--	--	--	--	--	--	--	--	4.0
				1,2,4-Trimethylbenzene	µg/L	--	--	--	0.44|J	--	--	--	--	--	--	--	--	--	--	--	0.74|J
				m,p-Xylene	µg/L	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	0.99|J
				o-Xylene	µg/L	--	--	--	0.30|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
PZL0010	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	<0.50	28	--	--	--	--	--	--	--	--	--	--	<0.50
				Bromodichloromethane	µg/L	--	--	--	<1.0	1.6	--	--	--	--	--	--	--	--	--	--	<1.0
				sec-Butylbenzene	µg/L	--	--	--	<1.0	1.6	--	--	--	--	--	--	--	--	--	--	<1.0
				Chloroform	µg/L	--	--	--	0.44|J	<1.0	--	--	--	--	--	--	--	--	--	--	0.87|J
				1,2-Dichloroethane	µg/L	--	--	--	<0.50	7.6	--	--	--	--	--	--	--	--	--	--	<0.50

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Ethylbenzene	µg/L	--	--	--	<1.0	4.6	--	--	--	--	--	--	--	--	--	--	<1.0
				2-Hexanone	µg/L	--	--	--	<10	41	--	--	--	--	--	--	--	--	--	--	<10
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	0.34Jf|J	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0
				Toluene	µg/L	--	--	--	<1.0	2.8	--	--	--	--	--	--	--	--	--	--	<1.0
				m,p-Xylene	µg/L	--	--	--	<1.0	1.2	--	--	--	--	--	--	--	--	--	--	<1.0
PZL0011	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,700	400
		VOCs	8240/60	Acetone	µg/L	--	--	--	<1,000	--	--	--	--	--	--	--	--	--	--	--	15|J
				tert-Amyl Methyl Ether (TAME)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.7
				Benzene	µg/L	--	--	--	8,100	--	--	--	--	--	--	--	--	--	--	--	120
				sec-Butylbenzene	µg/L	--	--	--	<20	--	--	--	--	--	--	--	--	--	--	--	0.90|J
				Chlorobenzene	µg/L	--	--	--	4.8|J	--	--	--	--	--	--	--	--	--	--	--	0.27|J
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71
				Ethylbenzene	µg/L	--	--	--	470	--	--	--	--	--	--	--	--	--	--	--	8.1
				Isopropylbenzene	µg/L	--	--	--	<20	--	--	--	--	--	--	--	--	--	--	--	0.68|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--	120
				Naphthalene	µg/L	--	--	--	27|J	--	--	--	--	--	--	--	--	--	--	--	<10
				n-Propylbenzene	µg/L	--	--	--	5.7|J	--	--	--	--	--	--	--	--	--	--	--	0.18|J
				Styrene	µg/L	--	--	--	1,600	--	--	--	--	--	--	--	--	--	--	--	17
				Toluene	µg/L	--	--	--	6,400	--	--	--	--	--	--	--	--	--	--	--	71
				1,2,4-Trimethylbenzene	µg/L	--	--	--	8.7|J	--	--	--	--	--	--	--	--	--	--	--	0.70|J
				m,p-Xylene	µg/L	--	--	--	970	--	--	--	--	--	--	--	--	--	--	--	13
				o-Xylene	µg/L	--	--	--	490	--	--	--	--	--	--	--	--	--	--	--	6.3
PZL0012	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	580
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	450
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.95
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.0
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.3
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.4
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-75.8
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
				Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,600	2,800
		VOCs	8240/60	Acetone	µg/L	--	--	--	<1,300	--	--	--	--	--	--	--	--	--	--	--	78
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	19|J	--	--	--	--	--	--	--	--	--	--	--	3.2
PZL0013	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	740
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	690
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.95
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.6Jm|
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,100
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-106.9
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330,000
PZL0014	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.8
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0050
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0Ux|J
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.68	--	--	--	--	--	--	--	--	--	--	--	<0.50
				Chloroform	µg/L	--	--	--	0.30|J	--	--	--	--	--	--	--	--	--	--	--	<1.0

TABLE 3
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Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	2.0
PZL0016	Water Table	VOCs	8240/60	Chloroform	µg/L	--	--	--	12|J	--	--	--	--	--	--	--	--	--	--	--	8.6|J
				1,1-Dichloroethane	µg/L	--	--	--	<20	--	--	--	--	--	--	--	--	--	--	--	5.6|J
				cis-1,2-Dichloroethene	µg/L	--	--	--	1,900	--	--	--	--	--	--	--	--	--	--	--	1,500
				trans-1,2-Dichloroethene	µg/L	--	--	--	51	--	--	--	--	--	--	--	--	--	--	--	28
				Tetrachloroethene	µg/L	--	--	--	910	--	--	--	--	--	--	--	--	--	--	--	330
				Trichloroethene	µg/L	--	--	--	770	--	--	--	--	--	--	--	--	--	--	--	400
PZL0018	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	11	<500	<200	<200	<500	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	20,000	4,200	2,500	<0.50	6,300	1,700	<0.50
				n-Butylbenzene	µg/L	--	--	--	--	--	--	--	--	--	1.1	<50	<20	<20	<50	<1.0	<1.0
				sec-Butylbenzene	µg/L	--	--	--	--	--	--	--	--	--	4.7	<50	<20	<20	<50	<1.0	<1.0
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	140	<50	<20	<1.0	<50	4.0	<1.0
				Isopropylbenzene	µg/L	--	--	--	--	--	--	--	--	--	8.3	<50	<20	<20	<50	<1.0	<1.0
				Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	140	<500	<200	<200	<500	<10	<10
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			8240/60	n-Propylbenzene	µg/L	--	--	--	--	--	--	--	--	--	3.3	<50	<20	<20	<50	<1.0	<1.0
				Styrene	µg/L	--	--	--	--	--	--	--	--	--	3.5	<50	<20	<20	<50	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	2.8	<50	<20	<20	<50	2.2	1.1
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	17	<50	<20	<20	<50	1.2	<1.0
				1,2,4-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	4.4	<50	<20	<20	<50	<1.0	<1.0
				1,3,5-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	1.2	<50	<20	<20	<50	<1.0	<1.0
				m,p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	<1.0	--	--	<20	--	2.4	<1.0
				o-Xylene	µg/L	--	--	--	--	--	--	--	--	--	<1.0	<50	<20	<20	<50	1.6	<1.0
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	46	--	--	<20	--	--	--
				Xylenes (total)	µg/L	--	--	--	--	--	--	--	--	--	46	<50	<20	<20	<50	--	--
PZL0019	Water Table	SVOCs	8270	Phenol	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<5,000	--	<25,000	<25,000	<20,000	--	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	350,000	--	360,000	400,000	250,000	--	--
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	14,000	--	8,800	5,900	4,800	--	--
				Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	<5,000	--	<25,000	<25,000	<20,000	--	--
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	67	--	--
			8240/60	Styrene	µg/L	--	--	--	--	--	--	--	--	--	570	--	<2,500	<2,500	<2,000	--	--
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	550	--	<2,500	<2,500	<2,000	--	--
PZL0020	Water Table	SVOCs	8270	Bis(2-Ethylhexyl) Phthalate	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	84	--	--
				1-Methylnaphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--
				2-Methylnaphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	18	--	--
				Phenanthrene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	11	--	--
				Phenol	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	120	--	--
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<50,000	--	<25,000	<25,000	<20,000	--	<5,000
		VOCs	8240/60	Benzene	µg/L	--	--	--	290,000	--	--	--	--	--	530,000	--	410,000	370,000	190,000	--	280,000
				1,2-Dichloroethane	µg/L	--	--	--	170	--	--	--	--	--	<2,500	--	<1,300	<1,300	<1,000	--	<250
				Ethylbenzene	µg/L	--	--	--	15,000	--	--	--	--	--	14,000	--	15,000	13,000	5,800	--	9,800
				Isopropylbenzene	µg/L	--	--	--	140|J	--	--	--	--	--	<5,000	--	<2,500	<2,500	<2,000	--	<500
				Naphthalene	µg/L	--	--	--	180|J	--	--	--	--	--	<50,000	--	<25,000	<25,000	<20,000	--	<5,000
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	170	--	--
			8240/60	n-Propylbenzene	µg/L	--	--	--	52|J	--	--	--	--	--	<5,000	--	<2,500	<2,500	<2,000	--	<500
				Toluene	µg/L	--	--	--	1,600	--	--	--	--	--	<5,000	--	<2,500	<2,500	<2,000	--	970
				1,2,4-Trimethylbenzene	µg/L	--	--	--	310	--	--	--	--	--	<5,000	--	<2,500	<2,500	<2,000	--	240|J
				Vinyl Chloride	µg/L	--	--	--	61|J	--	--	--	--	--	<2,500	--	<1,300	<1,300	<1,000	--	<250
				m,p-Xylene	µg/L	--	--	--	1,200	--	--	--	--	--	<5,000	--	--	<2,500	--	--	470|J
				o-Xylene	µg/L	--	--	--	690	--	--	--	--	--	<5,000	--	<2,500	<2,500	<2,000	--	360|J
PZL0022	Water Table	SVOCs	8270	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	All ND	--	--
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<10	--	<10	<10	<10	--	--
		VOCs	8240/60	All Analytes	µg/L	--	--	--	All ND	--	--	--	--	--	All ND	--	All ND	All ND	All ND	--	All ND
PZL0024	Water Table	SVOCs	8270	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	All ND	--	--

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Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	<10	<10	<10	--	--
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	All ND	All ND	All ND	--	All ND
PZL0025	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	<10	<10	<10	--	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	0.63	<0.50	<0.50	--	<0.50
				tert-Butylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0	<1.0	--	0.50|J
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	3.5
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
PZL0026	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	430
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	0.20	0.41
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.4
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-100	-45.90
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	280
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73,000	76,000
		VOCs	8240/60	Acetone	µg/L	--	--	--	390|J	--	--	--	--	--	--	--	--	--	--	--	<500
				Benzene	µg/L	--	--	--	91	--	--	--	--	--	--	--	--	--	--	--	53
				Chlorobenzene	µg/L	--	--	--	<20	--	--	--	--	--	--	--	--	--	--	--	8.7|J
				m,p-Xylene	µg/L	--	--	--	11|J	--	--	--	--	--	--	--	--	--	--	--	11|J
SWL0002	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	<19Ux|	--	--	--	--	--	--	--	--	--	--	--	0.48|J
				1,1-Dichloroethane	µg/L	--	--	--	1.8|J	--	--	--	--	--	--	--	--	--	--	--	0.67|J
				1,1-Dichloroethene	µg/L	--	--	--	2.6	--	--	--	--	--	--	--	--	--	--	--	2.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	4.7
				trans-1,2-Dichloroethene	µg/L	--	--	--	9.8	--	--	--	--	--	--	--	--	--	--	--	1.1
				Tetrachloroethene	µg/L	--	--	--	350	--	--	--	--	--	--	--	--	--	--	--	230
				Toluene	µg/L	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	0.24|J
				Trichloroethene	µg/L	--	--	--	130	--	--	--	--	--	--	--	--	--	--	--	44
SWL0003	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	170,000Jm|	--	--	--	--	--	--	--	--	--	--	--	2.1
				1,1-Dichloroethane	µg/L	--	--	--	180	--	--	--	--	--	--	--	--	--	--	--	180
				1,2-Dichloroethane	µg/L	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	1.2
				1,1-Dichloroethene	µg/L	--	--	--	230	--	--	--	--	--	--	--	--	--	--	--	220
				cis-1,2-Dichloroethene	µg/L	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	19
				trans-1,2-Dichloroethene	µg/L	--	--	--	71	--	--	--	--	--	--	--	--	--	--	--	7.1
				Tetrachloroethene	µg/L	--	--	--	440	--	--	--	--	--	--	--	--	--	--	--	52
				Toluene	µg/L	--	--	--	<2,500	--	--	--	--	--	--	--	--	--	--	--	0.56|J
				Trichloroethene	µg/L	--	--	--	2,400|J	--	--	--	--	--	--	--	--	--	--	--	110
				Vinyl Chloride	µg/L	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	1.0
SWL0004	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	860
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330
			Field	Dissolved Oxygen	mg/L	--	--	--	1.5	--	--	--	--	--	--	--	--	--	--	--	0.93
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.9
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-146.5
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11
		VOCs	8240/60	Benzene	µg/L	--	--	--	610,000Jm|	--	--	--	--	--	--	--	--	--	--	--	46,000
				1,1-Dichloroethane	µg/L	--	--	--	<50	--	--	--	--	--	--	--	--	--	--	--	83|J
				Ethylbenzene	µg/L	--	--	--	<5,000	--	--	--	--	--	--	--	--	--	--	--	44|J
				Tetrachloroethene	µg/L	--	--	--	62	--	--	--	--	--	--	--	--	--	--	--	<250
				Trichloroethene	µg/L	--	--	--	530	--	--	--	--	--	--	--	--	--	--	--	<250
SWL0005	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.43|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
SWL0006	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	390
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86
			Field	Dissolved Oxygen	mg/L	--	--	--	0.90	--	--	--	--	--	--	--	--	--	--	0.10	0.94
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			SM3500-FeD	Iron (II)	mg/L	--	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2
			RSK-175M	Methane	µg/L	--	--	--	8.3	--	--	--	--	--	--	--	--	--	--	--	5.4
			300.0	Nitrate (as N)	mg/L	--	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	0.26
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130	-18.50
			300.0	Sulfate	mg/L	--	--	--	170	--	--	--	--	--	--	--	--	--	--	--	170
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--
		VOCs	8240/60	All Analytes	µg/L	--	--	--	All ND	--	--	--	--	--	--	--	--	--	--	All ND	All ND
SWL0007	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	3.0	--	--	--	--	--	--	--	--	--	--	--	0.15|J
				Chloroform	µg/L	--	--	--	0.77|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Freon 11 (Trichlorofluoromethane)	µg/L	--	--	--	3.9|J	--	--	--	--	--	--	--	--	--	--	--	6.5|J
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.25|J
				Trichloroethene	µg/L	--	--	--	1.0|J	--	--	--	--	--	--	--	--	--	--	--	0.46|J
SWL0008	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660
			8270	Bis(2-Chloroethoxy) Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	--	0.21
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.9
			SM3500-FeD	Iron (II)	mg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.54
			RSK-175M	Methane	µg/L	--	--	--	0.17|J	--	--	--	--	--	--	--	--	--	--	--	620
			300.0	Nitrate (as N)	mg/L	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-116.5
			300.0	Sulfate	mg/L	--	--	--	54	--	--	--	--	--	--	--	--	--	--	--	8.3
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	100	--	61	69	<10	--	36
		VOCs	8240/60	Benzene	µg/L	--	--	--	21,000	--	--	--	--	--	810	--	340	140	52	--	12
				n-Butylbenzene	µg/L	--	--	--	<200	--	--	--	--	--	33	--	27	18	13	--	1.3
				sec-Butylbenzene	µg/L	--	--	--	<200	--	--	--	--	--	22	--	25	23	18	--	16
				tert-Butylbenzene	µg/L	--	--	--	<200	--	--	--	--	--	<5.0	--	<2.0	<1.0	68	--	0.60|J
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	<5.0	--	<2.0	<1.0	<1.0	--	19
				1,2-Dichloroethane	µg/L	--	--	--	<50	--	--	--	--	--	<2.5	--	<1.0	<0.50	4.0	--	3.2
				cis-1,2-Dichloroethene	µg/L	--	--	--	<25	--	--	--	--	--	<5.0	--	<2.0	1.6	1.1	--	1.9
				Ethylbenzene	µg/L	--	--	--	2,000	--	--	--	--	--	300	--	25	12	10	--	0.31|J
				Isopropylbenzene	µg/L	--	--	--	100|J	--	--	--	--	--	1,100	--	54	36	35	--	3.6
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	<200	--	--	--	--	--	<5.0	--	<2.0	<1.0	<1.0	--	0.66|J
				Naphthalene	µg/L	--	--	--	290|J	--	--	--	--	--	150	--	64	<10	15	--	<10
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--
			8240/60	n-Propylbenzene	µg/L	--	--	--	300	--	--	--	--	--	330	--	120	67	82	--	3.1
				Toluene	µg/L	--	--	--	<200	--	--	--	--	--	8.3	--	8.3	<1.0	2.9	--	0.59|J
				1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	--	--	--	160|J	--	--	--	--	--	<50	--	<20	<10	<10	--	<10
				Trichloroethene	µg/L	--	--	--	<10	--	--	--	--	--	<5.0	--	4.3	5.5	5.3	--	2.1
				1,2,4-Trimethylbenzene	µg/L	--	--	--	790	--	--	--	--	--	280	--	<2.0	<1.0	<1.0	--	<1.0
				1,3,5-Trimethylbenzene	µg/L	--	--	--	<200	--	--	--	--	--	5.8	--	<2.0	<1.0	<1.0	--	<1.0
				m,p-Xylene	µg/L	--	--	--	81|J	--	--	--	--	--	<5.0	--	--	<1.0	--	--	<1.0
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	140	--	--	3.1	--	--	--
				Xylenes (total)	µg/L	--	--	--	--	--	--	--	--	--	140	--	5.2	3.1	1.6	--	--
SWL0009	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	0.29|J	--	--	--	--	--	--	--	--	--	--	--	<0.50
				Chlorobenzene	µg/L	--	--	--	0.22|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Chloroform	µg/L	--	--	--	0.61|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,4-Dichlorobenzene	µg/L	--	--	--	0.87|J	--	--	--	--	--	--	--	--	--	--	--	0.77|J
				1,1-Dichloroethane	µg/L	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	19

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				1,2-Dichloroethane	µg/L	--	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--	0.95
				cis-1,2-Dichloroethene	µg/L	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	9.8
				Tetrachloroethene	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	6.7
				Trichloroethene	µg/L	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	5.6
				Vinyl Chloride	µg/L	--	--	--	0.89	--	--	--	--	--	--	--	--	--	--	--	0.35|J
SWL0010	MBFB/MBFC	VOCs	8240/60	Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.60|J
SWL0011	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
SWL0013	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.43|J
SWL0015	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3
				sec-Butylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28|J
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2
				Di-isopropyl ether (DIPE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.69|J
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.20|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.86|J
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.61|J
				Vinyl Chloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.46|J
SWL0016	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	sec-Butylbenzene	µg/L	--	--	--	0.68|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Chloroform	µg/L	--	--	--	0.40|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				1,1-Dichloroethane	µg/L	--	--	--	0.59|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				1,1-Dichloroethene	µg/L	--	--	--	5.5	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	60	--	--	--	--	--	--	--	--	--	--	17	8.7
				Trichloroethene	µg/L	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--	<1.0	0.75|J
SWL0017	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	--	<0.50Ux|J
				Chloroform	µg/L	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Chloromethane	µg/L	--	--	--	16	--	--	--	--	--	--	--	--	--	--	--	<10
				Naphthalene	µg/L	--	--	--	0.83Jf|J	--	--	--	--	--	--	--	--	--	--	--	<10
				1,2,3-Trichlorobenzene	µg/L	--	--	--	0.31Jf|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
SWL0018	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.30|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
SWL0019	MBFB	VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.87|J
				1,1-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.71|J
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37|J
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.61|J
				Vinyl Chloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.77
SWL0021	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	910
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	950
			Field	Dissolved Oxygen	mg/L	--	--	--	0.70	--	--	--	--	--	--	--	--	--	--	0.0	0.090
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.0
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97	-94.40
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48	120
		VOCs	8240/60	Benzene	µg/L	--	--	--	21	--	--	--	--	--	--	--	--	--	--	0.57	0.46|J
				n-Butylbenzene	µg/L	--	--	--	2.8|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				sec-Butylbenzene	µg/L	--	--	--	3.7|J	--	--	--	--	--	--	--	--	--	--	<1.0	1.4
				Chlorobenzene	µg/L	--	--	--	300	--	--	--	--	--	--	--	--	--	--	13	12
				Di-isopropyl ether (DIPE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	0.48|J
				1,2-Dichlorobenzene	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	<1.0	1.2

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				1,4-Dichlorobenzene	µg/L	--	--	--	1.1|J	--	--	--	--	--	--	--	--	--	--	10	15
				1,1-Dichloroethane	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	35	4.4
				1,2-Dichloroethane	µg/L	--	--	--	460	--	--	--	--	--	--	--	--	--	--	19	4.0
				1,1-Dichloroethene	µg/L	--	--	--	1.7|J	--	--	--	--	--	--	--	--	--	--	3.4	<1.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	84	18
				trans-1,2-Dichloroethene	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	1.6	<1.0
				1,2-Dichloropropane	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	14	5.3
				Ethylbenzene	µg/L	--	--	--	2.0|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Isopropylbenzene	µg/L	--	--	--	3.7|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.33|J
				Tetrachloroethene	µg/L	--	--	--	8.3	--	--	--	--	--	--	--	--	--	--	2.1	<1.0
				Trichloroethene	µg/L	--	--	--	77	--	--	--	--	--	--	--	--	--	--	11	1.6
				Vinyl Chloride	µg/L	--	--	--	<2.5	--	--	--	--	--	--	--	--	--	--	14	1.9
SWL0022	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.98|J
SWL0023	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	88
		VOCs	8240/60	Acetone	µg/L	--	--	--	25|J	--	--	--	--	--	--	--	--	--	--	74	16|J
				Chloromethane	µg/L	--	--	--	12	--	--	--	--	--	--	--	--	--	--	<10	<10
				Di-isopropyl ether (DIPE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	0.48|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	3.5	--	--	--	--	--	--	--	--	--	--	3.3	4.5
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.80|J
SWL0024	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	390
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	0.0	1.0
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.43
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.96
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120	-17.10
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	200
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.24|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
				1,1-Dichloroethane	µg/L	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	1.7	1.6
				cis-1,2-Dichloroethene	µg/L	--	--	--	5.2	--	--	--	--	--	--	--	--	--	--	5.9	4.6
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.82|J
				Trichloroethene	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	13	10
				Vinyl Chloride	µg/L	--	--	--	0.75	--	--	--	--	--	--	--	--	--	--	0.62	<0.50
SWL0025	Gage	VOCs	8240/60	Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.80|J
SWL0026	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10/<10)	(<10)
		VOCs	8240/60	Benzene	µg/L	--	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	(0.65/0.56)	(<0.50)
				Chlorobenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	(89/17)	(0.73)
				Chloroform	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	(0.70/0.84)	(<0.50)
				1,2-Dichloroethane	µg/L	--	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	(<0.50/1.2)	(<0.50)
				1,2,3-Trichlorobenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	(0.33|J/<0.50)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(75/190)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(110)
SWL0027	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(77)
SWL0028	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	0.29|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	1.2
SWL0029	MBFB	VOCs	8240/60	Benzene	µg/L	--	--	--	0.65	--	--	--	--	--	--	--	--	--	--	--	<5.0
				Chloroform	µg/L	--	--	--	8.6	--	--	--	--	--	--	--	--	--	--	--	8.6|J
				Dichlordifluoromethane	µg/L	--	--	--	3.8	--	--	--	--	--	--	--	--	--	--	--	<10

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				1,2-Dichlorobenzene	µg/L	--	--	--	0.19|J	--	--	--	--	--	--	--	--	--	--	--	<10
				1,1-Dichloroethane	µg/L	--	--	--	4.0	--	--	--	--	--	--	--	--	--	--	--	<10
				1,2-Dichloroethane	µg/L	--	--	--	0.26|J	--	--	--	--	--	--	--	--	--	--	--	<5.0
				1,1-Dichloroethene	µg/L	--	--	--	0.80|J	--	--	--	--	--	--	--	--	--	--	--	5.1|J
				cis-1,2-Dichloroethene	µg/L	--	--	--	51	--	--	--	--	--	--	--	--	--	--	--	45
				trans-1,2-Dichloroethene	µg/L	--	--	--	7.1	--	--	--	--	--	--	--	--	--	--	--	<10
				Freon 11 (Trichlorofluoromethane)	µg/L	--	--	--	6.1|J	--	--	--	--	--	--	--	--	--	--	--	<100
				Tetrachloroethene	µg/L	--	--	--	800	--	--	--	--	--	--	--	--	--	--	--	270
				1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	--	--	--	1.6|J	--	--	--	--	--	--	--	--	--	--	--	<100
				1,2,4-Trichlorobenzene	µg/L	--	--	--	0.35|J	--	--	--	--	--	--	--	--	--	--	--	<10
				Trichloroethene	µg/L	--	--	--	2,600	--	--	--	--	--	--	--	--	--	--	--	1,900
SWL0030	MBFC	VOCs	8240/60	1,1-Dichloroethene	µg/L	--	--	--	0.55|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	0.80|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Tetrachloroethene	µg/L	--	--	--	7.6	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Trichloroethene	µg/L	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	0.49|J
SWL0031	Gage	VOCs	8240/60	cis-1,2-Dichloroethene	µg/L	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	--
				Trichloroethene	µg/L	--	--	--	2.2	--	--	--	--	--	--	--	--	--	--	--	--
SWL0032	MBFB	VOCs	8240/60	Benzene	µg/L	--	--	--	660,000Jm|	--	--	--	--	--	--	--	--	--	--	--	--
				1,1-Dichloroethene	µg/L	--	--	--	58	--	--	--	--	--	--	--	--	--	--	--	--
				cis-1,2-Dichloroethene	µg/L	--	--	--	220	--	--	--	--	--	--	--	--	--	--	--	--
				Tetrachloroethene	µg/L	--	--	--	1,000	--	--	--	--	--	--	--	--	--	--	--	--
				Trichloroethene	µg/L	--	--	--	5,100	--	--	--	--	--	--	--	--	--	--	--	--
SWL0033	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<2,000)	(<400)
		VOCs	8240/60	Benzene	µg/L	--	--	--	5.3	--	--	--	--	--	--	--	--	--	--	(<100)	(33)
				Chlorobenzene	µg/L	--	--	--	3,600	--	--	--	--	--	--	--	--	--	--	(4,400)	(6,300)
				1,2-Dichlorobenzene	µg/L	--	--	--	2.5Jf|J	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				1,4-Dichlorobenzene	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	(<100)	(17|J)
				1,2-Dichloroethane	µg/L	--	--	--	60	--	--	--	--	--	--	--	--	--	--	(<100)	(8.3|J)
				Ethylbenzene	µg/L	--	--	--	0.80Jf|J	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				Isopropylbenzene	µg/L	--	--	--	2.3|J	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				n-Propylbenzene	µg/L	--	--	--	0.67Jf|J	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				Tetrachloroethene	µg/L	--	--	--	8.9	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				Trichloroethene	µg/L	--	--	--	48	--	--	--	--	--	--	--	--	--	--	(<100)	(<20)
				m,p-Xylene	µg/L	--	--	--	1.5Jf|J	--	--	--	--	--	--	--	--	--	--	--	(<20)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(39,000)
SWL0034	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(67)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.52)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.28|J)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.4)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(17)
SWL0035	MBFC	VOCs	8240/60	All Analytes	µg/L	--	--	--	All ND	--	--	--	--	--	--	--	--	--	--	--	All ND
SWL0036	Gage	VOCs	8240/60	Ethylbenzene	µg/L	--	--	--	0.52|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Trichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.55|J
SWL0037	MBFB	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	240
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31
			Field	Dissolved Oxygen	mg/L	--	--	--	2.7	--	--	--	--	--	--	--	--	--	--	0.50	1.1
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.084|J
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.17
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0Ux|
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-1	-95.60
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--
		VOCs	8240/60	sec-Butylbenzene	µg/L	--	--	--	3.2	--	--	--	--	--	--	--	--	--	--	10	0.72|J

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				1,1-Dichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	1.4	1.1
				Isopropylbenzene	µg/L	--	--	--	0.24|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	0.53|J	--	--	--	--	--	--	--	--	--	--	2.3	1.7
				Trichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0UJm|	0.53|J
SWL0038	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	280
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.31
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0Ux|J
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.54
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-51.20
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	All ND
SWL0040	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23	<250
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	1,100	--	--	--	--	--	--	--	--	--	--	4,700
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	19	--	--	--	--	--	--	--	--	--	--	<25
				Ethylbenzene	µg/L	--	--	--	--	50	--	--	--	--	--	--	--	--	--	--	250
				Methylene chloride	µg/L	--	--	--	--	110	--	--	--	--	--	--	--	--	--	--	<250
				Tetrachloroethene	µg/L	--	--	--	--	14	--	--	--	--	--	--	--	--	--	--	<25
				Trichloroethene	µg/L	--	--	--	--	130	--	--	--	--	--	--	--	--	--	--	<25
SWL0041	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	24
		VOCs	8240/60	Benzene	µg/L	--	--	--	11,000	--	--	--	--	--	--	--	--	--	--	--	1.8
				sec-Butylbenzene	µg/L	--	--	--	3.8|J	--	--	--	--	--	--	--	--	--	--	--	1.2
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0|J
				Ethylbenzene	µg/L	--	--	--	1,100	--	--	--	--	--	--	--	--	--	--	--	0.59|J
				Isopropylbenzene	µg/L	--	--	--	7.0|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Naphthalene	µg/L	--	--	--	12|J	--	--	--	--	--	--	--	--	--	--	--	<10
				n-Propylbenzene	µg/L	--	--	--	3.7|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Toluene	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	0.79|J
				m,p-Xylene	µg/L	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	<1.0
				o-Xylene	µg/L	--	--	--	2.8|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
SWL0042	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90	77
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.75	--	--	--	--	--	--	--	--	--	--	1.1	1.5
				sec-Butylbenzene	µg/L	--	--	--	0.75|J	--	--	--	--	--	--	--	--	--	--	<1.0	1.5
				Chlorobenzene	µg/L	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--	5.0	2.8
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	14
				Dichlordifluoromethane	µg/L	--	--	--	0.97|J	--	--	--	--	--	--	--	--	--	--	1.2	<1.0
				1,2-Dichlorobenzene	µg/L	--	--	--	1.2	--	--	--	--	--	--	--	--	--	--	1.1	0.89|J
				1,4-Dichlorobenzene	µg/L	--	--	--	12	--	--	--	--	--	--	--	--	--	--	13	9.2
				1,1-Dichloroethane	µg/L	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--	2.0	0.73|J
				1,2-Dichloroethane	µg/L	--	--	--	0.99	--	--	--	--	--	--	--	--	--	--	0.84	<0.50
				1,1-Dichloroethene	µg/L	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	1.3	<1.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	79	--	--	--	--	--	--	--	--	--	--	100	40
				trans-1,2-Dichloroethene	µg/L	--	--	--	1.9	--	--	--	--	--	--	--	--	--	--	1.3	4.3
				1,2-Dichloropropane	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	1.9	<1.0
				Ethylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.17|J
				Isopropylbenzene	µg/L	--	--	--	0.48|J	--	--	--	--	--	--	--	--	--	--	<1.0	0.87|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	11
				n-Propylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.19|J
				Tetrachloroethene	µg/L	--	--	--	0.58|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.61|J
				Trichloroethene	µg/L	--	--	--	5.6	--	--	--	--	--	--	--	--	--	--	6.9	6.9
				Vinyl Chloride	µg/L	--	--	--	9.4	--	--	--	--	--	--	--	--	--	--	8.7	8.8
SWL0044	Water Table	SVOCs	8270	1-Methylnaphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	29	--	--

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<10	--	<20	<10	<10	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	56,000	--	--	--	--	--	28	--	4.5	50	1.1	0.82	2.1
				n-Butylbenzene	µg/L	--	--	--	<500	--	--	--	--	--	1.4	--	<2.0	<1.0	<1.0	<1.0	<1.0
				sec-Butylbenzene	µg/L	--	--	--	<500	--	--	--	--	--	8.2	--	8.2	5.0	4.0	3.2	1.7
				Chlorobenzene	µg/L	--	--	--	<500UJm|	--	--	--	--	--	<1.0	--	<2.0	<1.0	<1.0	<1.0	0.26|J
				Ethylbenzene	µg/L	--	--	--	1,600	--	--	--	--	--	15	--	6.8	6.8	4.6	1.4	0.25|J
				Isopropylbenzene	µg/L	--	--	--	<500	--	--	--	--	--	6.2	--	5.0	7.0	4.6	2.6	1.5
				Naphthalene	µg/L	--	--	--	2,700|J	--	--	--	--	--	510	--	230	94	17	<10	<10
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	17	--	--
			8240/60	n-Propylbenzene	µg/L	--	--	--	<500	--	--	--	--	--	4.2	--	3.0	2.0	1.6	<1.0	0.63|J
				Styrene	µg/L	--	--	--	<500	--	--	--	--	--	6.1	--	<2.0	1.9	<1.0	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	<500	--	--	--	--	--	2.2	--	2.3	1.5	1.3	1.1	<1.0
				Toluene	µg/L	--	--	--	430|J	--	--	--	--	--	16	--	6.9	7.3	3.5	1.6	<1.0
				1,2,4-Trimethylbenzene	µg/L	--	--	--	<500	--	--	--	--	--	3.8	--	<2.0	2.0	<1.0	<1.0	<1.0
				Vinyl Chloride	µg/L	--	--	--	<250UJm|	--	--	--	--	--	<0.50	--	7.9	<0.50	<0.50	<0.50	<0.50
				m,p-Xylene	µg/L	--	--	--	<500	--	--	--	--	--	<1.0	--	--	<1.0	--	1.5	0.53|J
				o-Xylene	µg/L	--	--	--	<500	--	--	--	--	--	<1.0	--	<2.0	<1.0	<1.0	1.5	<1.0
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	16	--	--	14	--	--	--
				Xylenes (total)	µg/L	--	--	--	--	--	--	--	--	--	16	--	<2.0	14	6.6	--	--
SWL0046	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	530
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	--	2.2
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0050
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0Ux|J
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12Jh|
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	38
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	240
		VOCs	8240/60	Tetrachloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	1.2
SWL0047	MBFB	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94
			Field	Dissolved Oxygen	mg/L	--	--	--	0.10	--	--	--	--	--	--	--	--	--	--	--	0.080
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.41
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.54
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	260
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-228.3
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98
		VOCs	8240/60	Acetone	µg/L	--	--	--	11|J	--	--	--	--	--	--	--	--	--	--	--	<20
				sec-Butylbenzene	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	0.99|J
				Isopropylbenzene	µg/L	--	--	--	2.5	--	--	--	--	--	--	--	--	--	--	--	<1.0
				n-Propylbenzene	µg/L	--	--	--	0.20|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
SWL0048	MBFB	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	790
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	390
			Field	Dissolved Oxygen	mg/L	--	--	--	0.10	--	--	--	--	--	--	--	--	--	--	--	0.36
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-165.1
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16
		VOCs	8240/60	Benzene	µg/L	--	--	--	180,000	--	--	--	--	--	--	--	--	--	--	--	180,000
				Ethylbenzene	µg/L	--	--	--	26,000	--	--	--	--	--	--	--	--	--	--	--	24,000
				Toluene	µg/L	--	--	--	<2,500	--	--	--	--	--	--	--	--	--	--	--	500|J
SWL0049	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	(<200)

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
		VOCs	8240/60	Benzene	µg/L	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--	39	(100)
				2-Butanone (MEK)	µg/L	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	10	(<200)
				n-Butylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	4.6	(<10)
				sec-Butylbenzene	µg/L	--	--	--	0.44|J	--	--	--	--	--	--	--	--	--	--	5.6	(6.2|J)
				Chlorobenzene	µg/L	--	--	--	7.8	--	--	--	--	--	--	--	--	--	--	2,900	(8,700)
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130	--
				Dichlordifluoromethane	µg/L	--	--	--	0.81|J	--	--	--	--	--	--	--	--	--	--	<1.0	(<40)
				1,2-Dichlorobenzene	µg/L	--	--	--	0.64|J	--	--	--	--	--	--	--	--	--	--	3.9	(12)
				1,4-Dichlorobenzene	µg/L	--	--	--	10	--	--	--	--	--	--	--	--	--	--	11	(28)
				1,1-Dichloroethane	µg/L	--	--	--	47	--	--	--	--	--	--	--	--	--	--	<1.0	(<10)
				1,2-Dichloroethane	µg/L	--	--	--	21	--	--	--	--	--	--	--	--	--	--	280Jm|	(140)
				1,1-Dichloroethene	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	1.3	(<10)
				cis-1,2-Dichloroethene	µg/L	--	--	--	100	--	--	--	--	--	--	--	--	--	--	3.5	(<10)
				trans-1,2-Dichloroethene	µg/L	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--	<1.0	(<10)
				Ethylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	6.5	(7.6|J)
				Isopropylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	7.2	(6.8|J)
				Tetrachloroethene	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	61	(250)
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	3.5	(<10)
				1,2,4-Trichlorobenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	3.6	(16)
				Trichloroethene	µg/L	--	--	--	30	--	--	--	--	--	--	--	--	--	--	91Jm|	(140)
				Vinyl Chloride	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	<0.50	(<10)
				m,p-Xylene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	2.8	(<20)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(25,000)
SWL0050	MBFB	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	590
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	--	1.1
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.062|J
			SM3500-FeD	Iron (II)	mg/L	--	--	--	6.6	--	--	--	--	--	--	--	--	--	--	--	--
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.8Jm|
			RSK-175M	Methane	µg/L	--	--	--	0.20|J	--	--	--	--	--	--	--	--	--	--	--	5.8
			300.0	Nitrate (as N)	mg/L	--	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-256.4
			300.0	Sulfate	mg/L	--	--	--	270	--	--	--	--	--	--	--	--	--	--	--	110
		VOCs	8240/60	Benzene	µg/L	--	--	--	78,000	--	--	--	--	--	--	--	--	--	--	--	2,700
				Ethylbenzene	µg/L	--	--	--	1,200	--	--	--	--	--	--	--	--	--	--	--	190
				n-Propylbenzene	µg/L	--	--	--	<200UJf|	--	--	--	--	--	--	--	--	--	--	--	2.1|J
				Toluene	µg/L	--	--	--	65|J	--	--	--	--	--	--	--	--	--	--	--	<10
				1,2,4-Trimethylbenzene	µg/L	--	--	--	34|J	--	--	--	--	--	--	--	--	--	--	--	<10
				m,p-Xylene	µg/L	--	--	--	84|J	--	--	--	--	--	--	--	--	--	--	--	<10
				o-Xylene	µg/L	--	--	--	37|J	--	--	--	--	--	--	--	--	--	--	--	<10
SWL0051	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<10	--	<10	<10	<10	--	--
		VOCs	8240/60	Chloroform	µg/L	--	--	--	0.38|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				cis-1,2-Dichloroethene	µg/L	--	--	--	3.3	--	--	--	--	--	7.5	--	<1.0	<1.0	<1.0	--	<1.0
				trans-1,2-Dichloroethene	µg/L	--	--	--	<0.50	--	--	--	--	--	1.6	--	<1.0	<1.0	<1.0	--	<1.0
				Ethylbenzene	µg/L	--	--	--	0.26|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				Trichloroethene	µg/L	--	--	--	25	--	--	--	--	--	15	--	16	11	9.1	--	5.9
SWL0052	MBFB	VOCs	8240/60	Benzene	µg/L	--	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	0.35|J
				Dichlordifluoromethane	µg/L	--	--	--	5.1	--	--	--	--	--	--	--	--	--	--	--	3.5
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	0.56|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Tetrachloroethene	µg/L	--	--	--	2.1	--	--	--	--	--	--	--	--	--	--	--	1.1
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.58|J
				Trichloroethene	µg/L	--	--	--	0.64|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
SWL0053	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Acetone	µg/L	--	--	--	9.5|J	--	--	--	--	--	--	--	--	--	--	<20	<20
				Dichlordifluoromethane	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	3.8	<1.0

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	0.34|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Tetrachloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	1.2	<1.0
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.53|J
SWL0054	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--	1.3	<2.5
				sec-Butylbenzene	µg/L	--	--	--	5.2	--	--	--	--	--	--	--	--	--	--	1.4	<5.0
				Chlorobenzene	µg/L	--	--	--	0.18|J	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0
				Chloroform	µg/L	--	--	--	0.58|J	--	--	--	--	--	--	--	--	--	--	1.0	<5.0
				1,2-Dichlorobenzene	µg/L	--	--	--	0.35|J	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0
				1,4-Dichlorobenzene	µg/L	--	--	--	0.38|J	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0
				1,1-Dichloroethane	µg/L	--	--	--	2.0	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0
				1,2-Dichloroethane	µg/L	--	--	--	0.36|J	--	--	--	--	--	--	--	--	--	--	<0.50	<2.5
				1,1-Dichloroethene	µg/L	--	--	--	44	--	--	--	--	--	--	--	--	--	--	18	16
				cis-1,2-Dichloroethene	µg/L	--	--	--	80	--	--	--	--	--	--	--	--	--	--	190	160
				trans-1,2-Dichloroethene	µg/L	--	--	--	2.9	--	--	--	--	--	--	--	--	--	--	3.0	<5.0
				Isopropylbenzene	µg/L	--	--	--	0.20|J	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0
				Methylene chloride	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	<10	<50
				Tetrachloroethene	µg/L	--	--	--	440	--	--	--	--	--	--	--	--	--	--	190	60
				Trichloroethene	µg/L	--	--	--	2,100	--	--	--	--	--	--	--	--	--	--	1,100	900
				Vinyl Chloride	µg/L	--	--	--	2.7	--	--	--	--	--	--	--	--	--	--	1.9	<2.5
SWL0055	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210	330
		VOCs	8240/60	Benzene	µg/L	--	--	--	0.48|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
				sec-Butylbenzene	µg/L	--	--	--	0.42|J	--	--	--	--	--	--	--	--	--	--	<1.0	0.60|J
				tert-Butylbenzene	µg/L	--	--	--	0.29|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Ethylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	2.2
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.31|J
SWL0056	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.84|J
SWL0057	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	n-Butylbenzene	µg/L	--	--	--	1.2	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				sec-Butylbenzene	µg/L	--	--	--	2.6	--	--	--	--	--	--	--	--	--	--	1.8	<1.0
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10	<10
				Ethylbenzene	µg/L	--	--	--	0.24|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				Isopropylbenzene	µg/L	--	--	--	5.2	--	--	--	--	--	--	--	--	--	--	3.3	<1.0
				Naphthalene	µg/L	--	--	--	14	--	--	--	--	--	--	--	--	--	--	<10	<10
				n-Propylbenzene	µg/L	--	--	--	6.4	--	--	--	--	--	--	--	--	--	--	4.4	<1.0
SWL0058	MBFC	VOCs	8240/60	Benzene	µg/L	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--	<0.50
				sec-Butylbenzene	µg/L	--	--	--	2.0|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Chlorobenzene	µg/L	--	--	--	360	--	--	--	--	--	--	--	--	--	--	--	21
				1,2-Dichlorobenzene	µg/L	--	--	--	0.39|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,4-Dichlorobenzene	µg/L	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--	--	0.55|J
				1,2-Dichloroethane	µg/L	--	--	--	6.8	--	--	--	--	--	--	--	--	--	--	--	5.9
				1,1-Dichloroethene	µg/L	--	--	--	1.9|J	--	--	--	--	--	--	--	--	--	--	--	0.73|J
				cis-1,2-Dichloroethene	µg/L	--	--	--	1.4|J	--	--	--	--	--	--	--	--	--	--	--	0.85|J
				Isopropylbenzene	µg/L	--	--	--	0.54|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Tetrachloroethene	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	3.5
				Toluene	µg/L	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	0.38|J
				Trichloroethene	µg/L	--	--	--	64	--	--	--	--	--	--	--	--	--	--	--	21Jm|
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,100)
SWL0059	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	9.3	--	--	--	--	--	--	--	--	--	--	--	<5.0
				Chloroform	µg/L	--	--	--	9.1	--	--	--	--	--	--	--	--	--	--	--	12
				1,1-Dichloroethane	µg/L	--	--	--	1.5|J	--	--	--	--	--	--	--	--	--	--	--	3.5|J
				1,1-Dichloroethene	µg/L	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	14
				cis-1,2-Dichloroethene	µg/L	--	--	--	26	--	--	--	--	--	--	--	--	--	--	--	93
				Tetrachloroethene	µg/L	--	--	--	130	--	--	--	--	--	--	--	--	--	--	--	330

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Trichloroethene	µg/L	--	--	--	690	--	--	--	--	--	--	--	--	--	--	--	1,700
SWL0060	MBFB/MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13,000/13,000	160,000
		VOCs	8240/60	Acetone	µg/L	--	--	--	150|J	--	--	--	--	--	--	--	--	--	--	<20	<2,000
				Benzene	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	15	240
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	3.6|J	--	--	--	--	--	--	--	--	--	--	2.7	<100
				Toluene	µg/L	--	--	--	4.8|J	--	--	--	--	--	--	--	--	--	--	4.8	61|J
				m,p-Xylene	µg/L	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	3.3	<100
SWL0061	MBFC	VOCs	8240/60	Benzene	µg/L	--	--	--	<0.68Ux|	--	--	--	--	--	--	--	--	--	--	--	0.39|J
				Carbon disulfide	µg/L	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	--	0.42|J
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.43|J
				Vinyl Chloride	µg/L	--	--	--	<0.50UJm|	--	--	--	--	--	--	--	--	--	--	--	1.2
SWL0063	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--
		VOCs	8240/60	Benzene	µg/L	--	520	520	550	--	890	480	--	--	--	--	--	--	--	460	35
				sec-Butylbenzene	µg/L	--	<5.0	<5.0	0.47|J	--	<1.0	<10	--	--	--	--	--	--	--	<1.0	0.31|J
				1,1-Dichloroethane	µg/L	--	<5.0	<5.0	<1.0	--	<1.0	<10	--	--	--	--	--	--	--	<1.0	0.32|J
				1,1-Dichloroethene	µg/L	--	<5.0	<5.0	2.7	--	2.6	<10	--	--	--	--	--	--	--	3.0	2.7
				cis-1,2-Dichloroethene	µg/L	--	5.8	5.3	7.2	--	16	17	--	--	--	--	--	--	--	13	11
				Ethylbenzene	µg/L	--	30	28	28	--	37	33	--	--	--	--	--	--	--	34	<1.0
				Isopropylbenzene	µg/L	--	<5.0	<5.0	0.30|J	--	<1.0	<10	--	--	--	--	--	--	--	<1.0	<1.0
				Tetrachloroethene	µg/L	--	8.9	13	11	--	9.2	10	--	--	--	--	--	--	--	18	0.58|J
				Toluene	µg/L	--	<5.0	<5.0	0.43|J	--	<1.0	<10	--	--	--	--	--	--	--	<1.0	0.57|J
				Trichloroethene	µg/L	--	92	95	110	--	94	96	--	--	--	--	--	--	--	190Jm|	92
				Vinyl Chloride	µg/L	--	<2.5	<2.5	<0.50	--	<0.50	<5.0	--	--	--	--	--	--	--	<0.50	0.44|J
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
SWL0064	MBFC	VOCs	8240/60	Acetone	µg/L	--	<100	120	<50	--	--	--	--	--	--	--	--	--	--	--	<20
				Benzene	µg/L	--	<5.0	<2.5	1.5	--	--	--	--	--	--	--	--	--	--	--	2.2
				Chlorobenzene	µg/L	--	35	36	41	--	--	--	--	--	--	--	--	--	--	--	440
				Chloroform	µg/L	--	<10	<5.0	1.5	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,2-Dichlorobenzene	µg/L	--	<10	<5.0	0.25|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,4-Dichlorobenzene	µg/L	--	<10	<5.0	0.36|J	--	--	--	--	--	--	--	--	--	--	--	1.8
				1,1-Dichloroethane	µg/L	--	<10	<5.0	2.8	--	--	--	--	--	--	--	--	--	--	--	0.97|J
				1,1-Dichloroethene	µg/L	--	20	24	19	--	--	--	--	--	--	--	--	--	--	--	1.4
				cis-1,2-Dichloroethene	µg/L	--	16	16	16	--	--	--	--	--	--	--	--	--	--	--	2.7
				Tetrachloroethene	µg/L	--	310	340	240	--	--	--	--	--	--	--	--	--	--	--	16
				Toluene	µg/L	--	<10	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	0.49|J
				Trichloroethene	µg/L	--	1,100	1,400	1,100	--	--	--	--	--	--	--	--	--	--	--	97Jm|
SWL0065	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Acetone	µg/L	--	<1,000	<20,000	190|J	--	--	--	--	--	--	--	--	--	--	40	<100
				Benzene	µg/L	--	180,000	340,000	190,000	--	--	--	--	--	--	--	--	--	--	95,000	470
				n-Butylbenzene	µg/L	--	<100	<2,000	<20	--	--	--	--	--	--	--	--	--	--	20	<5.0
				sec-Butylbenzene	µg/L	--	<100	<2,000	56	--	--	--	--	--	--	--	--	--	--	45	4.7|J
				Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17	<50
				Ethanol	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250	<500
				Ethylbenzene	µg/L	--	15,000	29,000	16,000	--	--	--	--	--	--	--	--	--	--	14,000	30
				Isopropylbenzene	µg/L	--	<100	<2,000	54	--	--	--	--	--	--	--	--	--	--	39	<5.0
				n-Propylbenzene	µg/L	--	<100	<2,000	36	--	--	--	--	--	--	--	--	--	--	26	<5.0
				Toluene	µg/L	--	180	<2,000	190	--	--	--	--	--	--	--	--	--	--	95	<5.0
				m,p-Xylene	µg/L	--	<100	<2,000	5.9|J	--	--	--	--	--	--	--	--	--	--	<100	<5.0
				o-Xylene	µg/L	--	<100	<2,000	<20	--	--	--	--	--	--	--	--	--	--	1.2	<5.0
SWL0066	Gage	VOCs	8240/60	Benzene	µg/L	--	<1.0	<2.5	0.29|J	--	--	--	--	--	--	--	--	--	--	--	420
				1,1-Dichloroethane	µg/L	--	<2.0	<5.0	0.35|J	--	--	--	--	--	--	--	--	--	--	--	4.0|J
				1,1-Dichloroethene	µg/L	--	3.6	<5.0	5.9	--	--	--	--	--	--	--	--	--	--	--	14
				cis-1,2-Dichloroethene	µg/L	--	5.8	5.3	8.4	--	--	--	--	--	--	--	--	--	--	--	90
				Methylene chloride	µg/L	--	<20	<50	16	--	--	--	--	--	--	--	--	--	--	--	<50
				Tetrachloroethene	µg/L	--	71	60	74	--	--	--	--	--	--	--	--	--	--	--	140

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Trichloroethene	µg/L	--	270	280	300	--	--	--	--	--	--	--	--	--	--	--	930
SWL0067	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--
		VOCs	8240/60	1,1-Dichloroethene	µg/L	--	<5.0	<5.0	0.99|J	--	--	--	--	--	--	--	--	--	--	1.8	--
				cis-1,2-Dichloroethene	µg/L	--	11	10	9.8	--	--	--	--	--	--	--	--	--	--	16	--
				Tetrachloroethene	µg/L	--	<5.0	<5.0	0.89Jf|J	--	--	--	--	--	--	--	--	--	--	<1.0	--
				Trichloroethene	µg/L	--	360	460	310	--	--	--	--	--	--	--	--	--	--	470Jm|	--
SWL0068	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	770	--	--	--	--	--	--	720
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	490
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.20	0.37
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--	4.9
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7Jm|
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-100	-182.5
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	<25,000	--	--	--	--	--	17,000	24,000
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	280,000	150,000	--	--	--	--	--	--	150,000
				2-Butanone (MEK)	µg/L	--	--	--	--	--	--	--	19,000	<25,000	--	--	--	--	--	--	5,100|J
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	1,200	<2,500	--	--	--	--	--	--	2,400
				Styrene	µg/L	--	--	--	--	--	--	--	6,100	4,400	--	--	--	--	--	--	4,000
				Toluene	µg/L	--	--	--	--	--	--	--	50,000	40,000	--	--	--	--	--	--	46,000
				m,p-Xylene	µg/L	--	--	--	--	--	--	--	4,400	4,100	--	--	--	--	--	--	4,600
				o-Xylene	µg/L	--	--	--	--	--	--	--	1,700	<2,500	--	--	--	--	--	--	1,700
XBF-01	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(29)
XBF-02	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5,000)	(<500)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(60,000)	--	--	--	--	--	--	--	--	--	--	(77,000)	(10,000)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(680)	(12|J)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<250)	(24|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(98,000)
XBF-03	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<80)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<80)	--	--	--	--	--	--	--	--	--	--	--	(6.6)
				Chlorobenzene	µg/L	--	--	--	(6,100)	--	--	--	--	--	--	--	--	--	--	--	(1,500)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.0|J)
				Trichloroethene	µg/L	--	--	--	(1,200)	--	--	--	--	--	--	--	--	--	--	--	(650)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(8,900)
XBF-04	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20)
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.1)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(550)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.4)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.81|J)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.47|J)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2.5)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(17,000)
XBF-05	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(3.9)	--	--	--	--	--	--	--	--	--	--	--	(0.19|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XBF-06	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<2,500)	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<120)	11
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9,100)	1,900
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<120)	5.7|J
XBF-07	MBFC	VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(23,000)	--	--	--	--	--	--	--	--	--	--	--	--
XBF-09	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<800)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(12,000)

TABLE 3
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Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(930)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(36|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(82,000)
XBF-10	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(21)	--	--	--	--	--	--	--	--	--	--	--	(<0.50)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XBF-11	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<2,000)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(7,400)	--	--	--	--	--	--	--	--	--	--	(5,600)	(6.1)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7.0)
XBF-13	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	49	22
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	1,200	--	--	--	--	--	--	--	--	--	--	3.9
				sec-Butylbenzene	µg/L	--	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	0.83|J
				1,2-Dichloroethane	µg/L	--	--	--	--	<5.0	--	--	--	--	--	--	--	--	--	--	4.3
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	<1.0
				Ethylbenzene	µg/L	--	--	--	--	53	--	--	--	--	--	--	--	--	--	--	0.25|J
				Methylene chloride	µg/L	--	--	--	--	120	--	--	--	--	--	--	--	--	--	--	<10
				Tetrachloroethene	µg/L	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	<1.0
				Trichloroethene	µg/L	--	--	--	--	130	--	--	--	--	--	--	--	--	--	--	<1.0
XBF-14	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(41)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.34|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,000)
XBF-15	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<1,000)	(<40)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<100)	--	--	--	--	--	--	--	--	--	--	(36)	(1.3|J)
				Chlorobenzene	µg/L	--	--	--	(5,700)	--	--	--	--	--	--	--	--	--	--	(10,000)	(690)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(35)	(2.4)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(110)	(1.6|J)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(90)	(<2.0)
				Trichloroethene	µg/L	--	--	--	(<100)	--	--	--	--	--	--	--	--	--	--	(19|J)	(1.3|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,400)
XBF-16	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(320)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.73|J)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.79|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7,100)
XBF-19	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Benzene	µg/L	--	--	--	2.5	--	--	--	--	--	--	--	--	--	--	--	(<0.50)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XBF-20	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<400)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(1,700)	--	--	--	--	--	--	--	--	--	--	--	--
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(52,000)
XBF-22	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(240)	--	--	--	--	--	--	--	--	--	--	(45)	(4.6)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.31|J)
				Styrene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.54)	(0.80)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7,700)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(14,000)
XBF-23	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	(0.16|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.2)
XBF-25	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(50)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(<0.50)
				Styrene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.85)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(79)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4.7|J)

TABLE 3
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Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
XBF-27	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	(<10)	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	(<1.0)	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.66)
				Chloroform	µg/L	(0.36)	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(<0.50)
				Toluene	µg/L	(0.51)	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(<0.50)
				m,p-Xylene	µg/L	(0.68)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XBF-28	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	(<10)	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	(<1.0)	--	--	(58)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.48|J)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(190)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(390)
XBF-29	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<80)	(<10)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<80)	(5.0|J)
				Benzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(0.73)	(<0.50)
				Chlorobenzene	µg/L	--	--	--	(250)	--	--	--	--	--	--	--	--	--	--	(180)	(0.62)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.3)	(<0.50)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(20)	(0.39|J)
				1,2,4-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.26|J)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5,700)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(25)
XBF-30	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	(All ND)	--	--	--	--	--	--	--	--	--	--	(All ND)	(All ND)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(13)
XBF-31	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(43)	--	--	--	--	--	--	--	--	--	--	(1.0)	(0.50)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.58)	(<0.50)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.66)	(1.8)
				1,2-Dichloropropane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(94)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(350)
XBF-32A	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.8|J)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.56)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9.9)
XBF-34	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Trichloroethene	µg/L	--	--	--	(2,100)	--	--	--	--	--	--	--	--	--	--	--	--
XBF-35	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<80)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(1,500)	--	--	--	--	--	--	--	--	--	--	--	(1,200)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4.0|J)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(12)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(22)
				Trichloroethene	µg/L	--	--	--	(1,800)	--	--	--	--	--	--	--	--	--	--	--	(1,500)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9,800)
XBF-EW-1	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<800/<500)	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<40/190)	--
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,000/26,000)	--
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<43/53)	--
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<26/68)	--
XBF-OW-1	MBFC	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(350)
XBL-13C	UNK	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,200)

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Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
XG-01	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.7|J)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7.6)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(79)
XG-01WC	MBFB	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	430
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160
			Field	Dissolved Oxygen	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.40	1.1
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58
			SM3500-FeD	Iron (II)	mg/L	--	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--	--
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58
			RSK-175M	Methane	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	3.2
			300.0	Nitrate (as N)	mg/L	--	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-80	-80.90
			300.0	Sulfate	mg/L	--	--	--	310	--	--	--	--	--	--	--	--	--	--	--	300
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	200	<10
		VOCs	8240/60	Benzene	µg/L	--	--	--	3.5	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
				n-Butylbenzene	µg/L	--	--	--	2.8	--	--	--	--	--	--	--	--	--	--	1.3	<1.0
				sec-Butylbenzene	µg/L	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--	6.6	<1.0
				Ethylbenzene	µg/L	--	--	--	100	--	--	--	--	--	--	--	--	--	--	9.8	<1.0
				Isopropylbenzene	µg/L	--	--	--	13	--	--	--	--	--	--	--	--	--	--	8.1	<1.0
				n-Propylbenzene	µg/L	--	--	--	12	--	--	--	--	--	--	--	--	--	--	3.9	<1.0
				Styrene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.25|J
				Toluene	µg/L	--	--	--	0.50|J	--	--	--	--	--	--	--	--	--	--	<1.0	0.82|J
XG-02	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<200)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<500)	--	--	--	--	--	--	--	--	--	--	--	(7.7|J)
				Chlorobenzene	µg/L	--	--	--	(16,000)	--	--	--	--	--	--	--	--	--	--	--	(3,400)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(29,000)
XG-02WC	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Acetone	µg/L	--	--	--	8.8|J	--	--	--	--	--	--	--	--	--	--	<20	<20
				Benzene	µg/L	--	--	--	<1.1Ux|	--	--	--	--	--	--	--	--	--	--	0.93	0.39|J
				Chlorobenzene	µg/L	--	--	--	540	--	--	--	--	--	--	--	--	--	--	1,200	180
				Chloroform	µg/L	--	--	--	<1.0Ux|J	--	--	--	--	--	--	--	--	--	--	1.4	<1.0
				1,2-Dichlorobenzene	µg/L	--	--	--	0.23|J	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				1,4-Dichlorobenzene	µg/L	--	--	--	1.5	--	--	--	--	--	--	--	--	--	--	5.1	0.68|J
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.80|J
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,900)
XG-03	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9.3|J)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(32)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.2)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.37|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(150)
XG-04	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(71)	--	--	--	--	--	--	--	--	--	--	--	(39)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9.4)
				trans-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.39|J)
				Trichloroethene	µg/L	--	--	--	(43)	--	--	--	--	--	--	--	--	--	--	--	(11)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(820)
XG-05	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<200)
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3,000)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(38,000)
XG-06	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<200/<200)	--
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(3,100)	--	--	--	--	--	--	--	--	--	--	(620/1,500)	--
				2-Chlorotoluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(10/<10)	--
XG-08	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(580)	--	--	--	--	--	--	--	--	--	--	--	(100)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,200)
XG-09	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10/<10)	(<10)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4.9|J/<10)	(<10)
				Benzene	µg/L	--	--	--	(<10)	--	--	--	--	--	--	--	--	--	--	(0.30|J/0.94)	(2.1)
				Chlorobenzene	µg/L	--	--	--	(540)	--	--	--	--	--	--	--	--	--	--	(68/66)	(360)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50/0.60)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3,000/12,000)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(21,000)
XG-11	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	(13)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,400|J)
				2-Butanone (MEK)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,300|J)
				Chlorobenzene	µg/L	--	--	--	(20)	--	--	--	--	--	--	--	--	--	--	--	(3.5)
				2-Hexanone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,900)
XG-12	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<100)
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(25)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2,600)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.0|J)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.8|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(36,000)
XG-13	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<50)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(4,200)	--	--	--	--	--	--	--	--	--	--	--	(900)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(21,000)
XG-14	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	1,1-Dichloroethene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	(0.33|J)
				cis-1,2-Dichloroethene	µg/L	--	--	--	5.1	--	--	--	--	--	--	--	--	--	--	--	(65)
				Trichloroethene	µg/L	--	--	--	95	--	--	--	--	--	--	--	--	--	--	--	(3.8)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-15	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.9)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-16	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	(All ND)	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-17	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(6.8|J)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<5.0)	--	--	--	--	--	--	--	--	--	--	--	(1.3)
				Chlorobenzene	µg/L	--	--	--	(280)	--	--	--	--	--	--	--	--	--	--	--	(150)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.2)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.84)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.3)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.24|J)
				Trichloroethene	µg/L	--	--	--	(27)	--	--	--	--	--	--	--	--	--	--	--	(20)
				Vinyl Chloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.29|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3,400)
XG-18	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(2.9)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(49)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2,000)
XG-19A	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	--	(0.62)
				Chlorobenzene	µg/L	--	--	--	(20)	--	--	--	--	--	--	--	--	--	--	--	(110)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5,700)
XG-20	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	(All ND)	--	--	--	--	--	--	--	--	--	--	--	(All ND)

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Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-21	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(<10)	--	--	--	--	--	--	--	--	--	--	--	(18)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2.2)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.72)
				Trichloroethene	µg/L	--	--	--	(750)	--	--	--	--	--	--	--	--	--	--	--	(380)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(130)
XG-23	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.59)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(250)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(84)
XG-24	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<50)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<40)	--	--	--	--	--	--	--	--	--	--	(0.87)	(1.7|J)
				Chlorobenzene	µg/L	--	--	--	(2,300)	--	--	--	--	--	--	--	--	--	--	(740)	(1,100)
				1,2-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.96)	(1.7|J)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.7)	(10)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.86)	(4.4)
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.65)	(<2.5)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(15,000)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(9,200)
XG-25	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(880)	--	--	--	--	--	--	--	--	--	--	(30)	(40)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.38|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(8.8)	(7.1)
				Trichloroethene	µg/L	--	--	--	(<20)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.69)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,600)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,200)
XG-26	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(190)	--	--	--	--	--	--	--	--	--	--	(120)	(84)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,000)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(720)
XG-27	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(<0.50)
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.54)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-28	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(0.94)
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.51)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,100)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2,000)
XG-29	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(1.5)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7,800)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11,000)
XG-30	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(4.0|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.1)	(0.34|J)
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.1)	(<0.50)
				Trichloroethene	µg/L	--	--	--	(<2.0)	--	--	--	--	--	--	--	--	--	--	(0.90)	(<0.50)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-32	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	(All ND)	--	--	--	--	--	--	--	--	--	--	(All ND)	(All ND)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(28)	--

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XG-33	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(160)	--	--	--	--	--	--	--	--	--	--	(<0.50)	(<0.50)
				Chlorobenzene	µg/L	--	--	--	(<4.0)	--	--	--	--	--	--	--	--	--	--	(2.5)	(2.3)
				Dichlordifluoromethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<1.0)	(0.29|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.51)	(0.40|J)
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(8.2)	(3.3)
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.52)	--
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(160)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(140)
XG-35	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.51)	(0.31|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(10)	(3.5)
		pCBSA	314	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(13,000)	--
			NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4,200)
XG-OW-01	UNK	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
XGW-07A	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
		VOCs	8240/60	Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.39|J
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.77|J
XGW-07C	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<10
		VOCs	8240/60	Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91|J
XLG-01	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(8.6)	--	--	--	--	--	--	--	--	--	--	--	(8.7)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(26,000)
XLG-02	Gage	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<100)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5,500)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.3|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(27,000)
XMBFB-EW-1	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<500)	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7,000)	--
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(820)	--
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(280)	--
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(920)	--
				Isopropylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(27)	--
				Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(180)	--
				n-Propylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(70)	--
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(30)	--
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(82)	--
				1,2,4-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(550)	--
				1,3,5-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(120)	--
				m,p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(710)	--
XMW-01	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20,000)	(<5,000)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(2,700)	--	--	--	--	--	--	--	--	--	--	(2,900)	(2,400)
				Chlorobenzene	µg/L	--	--	--	(84,000)	--	--	--	--	--	--	--	--	--	--	(130,000)	(100,000)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(14,000)	(13,000)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<1,000)	(120|J)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,500)	(1,300)
				Trichloroethene	µg/L	--	--	--	(<2,000)	--	--	--	--	--	--	--	--	--	--	(<1,000)	(180|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(500,000)
XMW-01HD	Water Table	VOCs	8240/60	Acetone	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18|J
				Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62
				2-Butanone (MEK)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0|J
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.44|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.9

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				o-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38|J
XMW-02	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20,000)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(350,000)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(31,000)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(520,000)
XMW-02HD	Water Table	VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	All ND
XMW-03	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20)
		VOCs	8240/60	Trichloroethene	µg/L	--	--	--	(39)	--	--	--	--	--	--	--	--	--	--	--	--
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(21)
XMW-03HD	Water Table	VOCs	8240/60	Acetone	µg/L	--	--	--	85|J	--	--	--	--	--	--	--	--	--	--	--	<20
				Benzene	µg/L	--	--	--	3.3Jm|	--	--	--	--	--	--	--	--	--	--	--	<0.50
				Chloroform	µg/L	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--	--	<1.0
				Ethylbenzene	µg/L	--	--	--	1.9|J	--	--	--	--	--	--	--	--	--	--	--	0.22|J
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	2.7	--	--	--	--	--	--	--	--	--	--	--	3.1
				Naphthalene	µg/L	--	--	--	1.3|J	--	--	--	--	--	--	--	--	--	--	--	<10
				Toluene	µg/L	--	--	--	1.9|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				1,2,4-Trimethylbenzene	µg/L	--	--	--	0.53|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
				m,p-Xylene	µg/L	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	0.36|J
				o-Xylene	µg/L	--	--	--	0.49|J	--	--	--	--	--	--	--	--	--	--	--	<1.0
XMW-04	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<200)
		VOCs	8240/60	Chlorobenzene	µg/L	--	--	--	(18,000)	--	--	--	--	--	--	--	--	--	--	--	(960)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3,200)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(17)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(94)
				Trichloroethene	µg/L	--	--	--	(170)	--	--	--	--	--	--	--	--	--	--	--	(510)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,200)
XMW-04HD	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	430,000	--	--	--	--	--	--	--	--	--	--	--	330,000
XMW-05	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<50)
		VOCs	8240/60	Carbon Tetrachloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.6)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(19)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1,100)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(170)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.3)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(53)
XMW-06	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(220)	(<400)
		VOCs	8240/60	Benzene	µg/L	--	--	--	(<100)	--	--	--	--	--	--	--	--	--	--	(17)	(<20)
				Bromodichloromethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.87)	(<20)
				Carbon Tetrachloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(19|J)
				Chlorobenzene	µg/L	--	--	--	(350)	--	--	--	--	--	--	--	--	--	--	(26)	(<20)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2,400)	(710)
				Chloroprene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(79)	--
				Di-isopropyl ether (DIPE)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.8)	(<20)
				1,2-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(7.9)	(<20)
				1,3-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.75)	(<20)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)	(<20)
				1,1-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(35)	(15|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(37)	(<20)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(100)	(36)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(57)	(35)
				trans-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2.6)	(<20)
				1,2-Dichloropropane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.1)	(<20)
				Methylene chloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.9)	(<40)
				1,1,1,2-Tetrachloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(6.1)	(<20)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(17,000)	(6,100)
				1,2,4-Trichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.3)	(<20)

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				1,1,2-Trichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(15)	(<20)
				Trichloroethene	µg/L	--	--	--	(1,400)	--	--	--	--	--	--	--	--	--	--	(530)	(200)
				1,2,3-Trichloropropane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4.1)	(<40)
				Trichlorotrifluoroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)	(<20)
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.6)	--
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.2|J)
XMW-07	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(230|J)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
XMW-08	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(All ND)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(75)
XMW-09	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<200)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3,000)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(43)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.4|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2.6|J)
XMW-10	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(2.8)
				Trichloroethene	µg/L	--	--	--	(24)	--	--	--	--	--	--	--	--	--	--	--	(10)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(170)
XMW-11	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<20)
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.66|J)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(320)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.46|J)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(14)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.1)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(240)
XMW-12	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<40)
		VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(4.7)
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(650)
				1,4-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.7|J)
				1,2-Dichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(15)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(130)
XMW-13	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<400)	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	(6,900)	--	--	--	--	--	--	--	--	--	--	(5,200)	--
				Chlorobenzene	µg/L	--	--	--	(7,200)	--	--	--	--	--	--	--	--	--	--	(4,500)	--
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(99)	--
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(54)	--
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(450)	--
				Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(160)	--
				n-Propylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(45)	--
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(580)	--
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(400)	--
				Trichloroethene	µg/L	--	--	--	(410)	--	--	--	--	--	--	--	--	--	--	(810)	--
				1,2,4-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(360)	--
				1,3,5-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(77)	--
				m,p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(240)	--
				o-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(140)	--
XMW-14	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12,000
				Chlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100
				Ethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100
				Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160|J
				n-Propylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37|J
				1,2,4-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	620
				1,3,5-Trimethylbenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150
				m,p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	950
XMW-16	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.2)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.35|J)
				cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(17)
				trans-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1.1)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(13)
				Trichloroethene	µg/L	--	--	--	(270)	--	--	--	--	--	--	--	--	--	--	--	(300)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XMW-17	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(8.2|J)
		VOCs	8240/60	All Analytes	µg/L	--	--	--	(All ND)	--	--	--	--	--	--	--	--	--	--	--	(All ND)
XMW-19	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(21)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.30|J)
				Trichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(3.9)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(40)
XMW-21	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	360
			Field	Dissolved Oxygen	mg/L	--	--	--	0.30	--	--	--	--	--	--	--	--	--	--	0.0	1.1
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0Ux|J
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	-123.1
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	160Jm|	--	--	--	--	--	--	--	--	--	--	0.66	0.91
				n-Butylbenzene	µg/L	--	--	--	210	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0
				sec-Butylbenzene	µg/L	--	--	--	490	--	--	--	--	--	--	--	--	--	--	130	44
				Ethylbenzene	µg/L	--	--	--	3,300	--	--	--	--	--	--	--	--	--	--	3.4	0.14|J
				Isopropylbenzene	µg/L	--	--	--	120	--	--	--	--	--	--	--	--	--	--	11	0.63|J
				n-Propylbenzene	µg/L	--	--	--	110	--	--	--	--	--	--	--	--	--	--	4.4	<1.0
				Vinyl Chloride	µg/L	--	--	--	5.3|J	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50
XMW-22	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Carbon Tetrachloride	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.98)
				Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(18)
				1,1-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.31|J)
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.32|J)
				1,1,2-Trichloroethane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(68)
				Trichloroethene	µg/L	--	--	--	(6.5)	--	--	--	--	--	--	--	--	--	--	--	(2.0)
				1,2,3-Trichloropropane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.75|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XMW-23	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.76)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(5.7)
XMW-24	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	(0.55)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(11)
XMW-25	Water Table	VOCs	8240/60	Benzene	µg/L	--	--	--	(120)	--	--	--	--	--	--	--	--	--	--	--	--
				Chlorobenzene	µg/L	--	--	--	(59)	--	--	--	--	--	--	--	--	--	--	--	--
XMW-26	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.32|J)

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Tetrachloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(0.26|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XMW-27	Water Table	VOCs	8240/60	cis-1,2-Dichloroethene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.3
				Toluene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.30|J
				Trichloroethene	µg/L	--	--	--	(40)	--	--	--	--	--	--	--	--	--	--	--	0.81|J
XMW-28	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	--	0.17
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7Jm|
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	39
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-162.8
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.96|J
		VOCs	8240/60	Benzene	µg/L	--	--	--	44,000	--	--	--	--	--	--	--	--	--	--	--	22,000
				sec-Butylbenzene	µg/L	--	--	--	30|J	--	--	--	--	--	--	--	--	--	--	--	<50
				Ethylbenzene	µg/L	--	--	--	30|J	--	--	--	--	--	--	--	--	--	--	--	<50
				Isopropylbenzene	µg/L	--	--	--	58	--	--	--	--	--	--	--	--	--	--	--	39|J
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XMW-29	Water Table	SVOCs	8270	Phenol	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<2,500	--	<5,000	<10,000	<5,000	--	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	380,000	--	--	--	--	--	47,000	--	170,000	100,000	73,000	--	36,000
				1,2-Dichloroethane	µg/L	--	--	--	<100	--	--	--	--	--	<130	--	4,900	<500	<250	--	<120
				Toluene	µg/L	--	--	--	240|J	--	--	--	--	--	<250	--	<500	<1,000	<500	--	<250
XMW-30	Water Table	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	(<10)
		VOCs	8240/60	Chloroform	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	(0.27|J)
		pCBSA	NA	pCBSA	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(<5.0)
XP-02	Water Table	Biodeg	SM 2320B	Alkalinity, Total (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	530
			8270	Bis(2-Chloroethoxy) Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			SM4500-CO2	Carbon Dioxide	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210
			Field	Dissolved Oxygen	mg/L	--	--	--	0.0	--	--	--	--	--	--	--	--	--	--	--	0.81
			SM 3500-Fe	Iron (II)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.21
			6010B	Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.97
			RSK-175M	Methane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7
			300.0	Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.10
			Field	Oxidation Reduction Potiential	mV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-43.60
			300.0	Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	39
		TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	<10	--	<10	<10	<10	--	--
		VOCs	8240/60	Benzene	µg/L	--	--	--	7.6	--	--	--	--	--	<0.50	--	9.5	<0.50	<0.50	--	<0.50Ux|J
				n-Butylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				sec-Butylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				1,2-Dichlorobenzene	µg/L	--	--	--	0.15Jm|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
			8270	1,2-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			8240/60	1,3-Dichlorobenzene	µg/L	--	--	--	0.28|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
			8270	1,3-Dichlorobenzene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			8240/60	1,1-Dichloroethane	µg/L	--	--	--	0.30|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				1,1-Dichloroethene	µg/L	--	--	--	2.3	--	--	--	--	--	3.1	--	2.4	2.6	1.7	--	<1.0
				Ethylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	1.2	<1.0	<1.0	--	<1.0
				Isopropylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				Methyl Tert-butyl ether (MTBE)	µg/L	--	--	--	0.54|J	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				Naphthalene	µg/L	--	--	--	<10	--	--	--	--	--	<10	--	<10	<10	<10	--	<10
			8270	Naphthalene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	--
			8240/60	Styrene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				Tetrachloroethene	µg/L	--	--	--	21	--	--	--	--	--	4.6	--	3.4	2.8	7.2	--	<1.0
				Toluene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	20	<1.0	<1.0	--	<1.0

TABLE 3
Time-Series Summary of Detected Volatile Organic Compounds
Baseline 2014 Groundwater Monitoring and Aquifer Compliance Plan

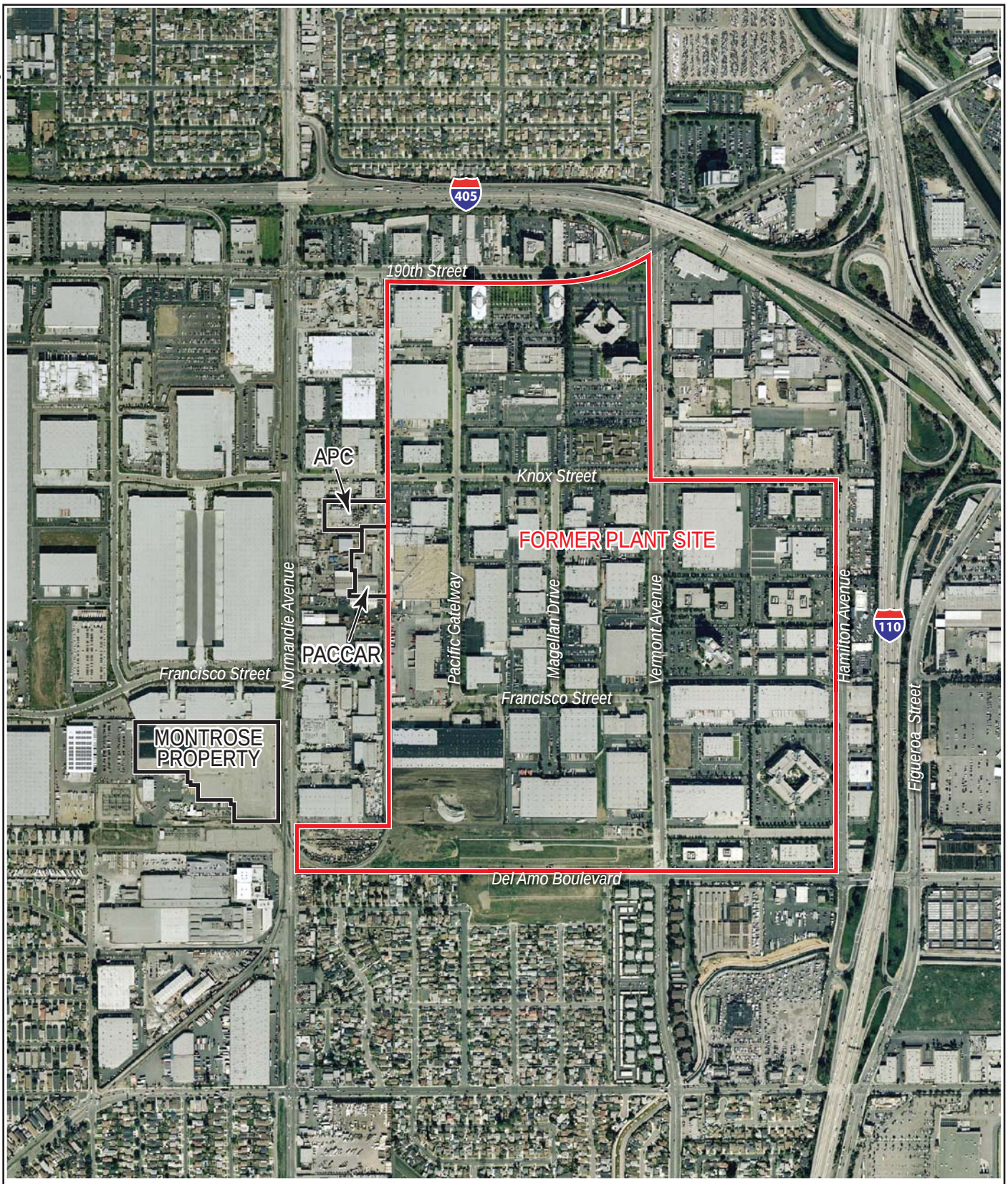
Well ID	HSU	Compound Class	Method ID	Analyte	Units	2006				2008			2009	2010	2011					2012	2014
						Mar	July	Aug	Nov	Feb	Jun	Nov	Dec	Jan	Feb	Mar	Jun	Sep	Dec	Feb	Sep
				Trichloroethene	µg/L	--	--	--	2.2	--	--	--	--	--	1.7	--	2.0	1.5	1.9	--	<1.0
				1,2,4-Trimethylbenzene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				m,p-Xylene	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	<1.0	<1.0	--	--	<1.0
				o-Xylene	µg/L	--	--	--	<1.0	--	--	--	--	--	<1.0	--	<1.0	<1.0	<1.0	--	<1.0
				Xylenes (Total)	µg/L	--	--	--	--	--	--	--	--	--	--	--	8.6	<1.0	--	--	--
				Xylenes (total)	µg/L	--	--	--	--	--	--	--	--	--	<1.0	--	8.6	<1.0	<1.0	--	--
XP-03	MBFB	TBA	8240/60	tert-Butanol (TBA)	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--
		VOCs	8240/60	Dichlordifluoromethane	µg/L	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	<1.0	0.94|J

Notes:
URS 2014 data sampled between 09/04/2014 and 09/25/2014
NA = Not Available
< = Compound not detected above laboratory reporting limit listed
( ) - Data collected by third party consultant and shared with URS
HSU - Hydrostratographic unit
Biodeg - Analytes which indicate biological activity
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
MBFB - Middle Bellflower B-Sand
MBFC - Middle Bellflower C-Sand
URS Qualifiers/Laboratory qualifiers
J - Associated value is an estimated value between the Method Detection Limit and Method Reporting Limit
J(with reason code) - The analyte was positively identified; the associated numerical value is the estimated concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ - The analyte was not detected above reported sample quantitation limit.
However, the reported quantitation limit may or may not represent actual limit of quantitation needed to accurately and precisely measure the analyte in sample.
f - Field duplicate imprecision.
h - Holding time violation.
m - Matrix spike/matrix spike duplicate recovery failure.
x - Field blank contamination.
z - Method blank contamination.

Table 4
Comparison of Primary and Duplicate Sample Analytical Results
2014 Baseline Groundwater Monitoring Report

Location	Detected VOCs	Primary Result	Duplicate Result	Relative Percent Difference
PZL0010	Chloroform	0.87	0.9	3.4
SWL0002	Benzene	0.44	0.48	8.7
	1,1-Dichloroethane	0.61	0.67	9.4
	1,1-Dichloroethene	2	2	0
	cis-1,2-Dichloroethene	4.5	4.7	4.3
	trans-1,2-Dichloroethene	1	1.1	9.5
	Tetrachloroethene	210	230	9.1
	Toluene	<1.0	0.24	Not Applicable
	Trichloroethene	41	44	7.1
SWL0003	Benzene	2.1	1.8	15.4
	1,1-Dichloroethane	180	190	5.4
	1,2-Dichloroethane	1.2	1.1	8.7
	1,1-Dichloroethene	220	210	4.7
	cis-1,2-Dichloroethene	19	19	0
	trans-1,2-Dichloroethene	7.1	7.7	8.1
	Tetrachloroethene	52	50	3.9
	Toluene	0.56	0.5	11.3
	Trichloroethene	110	110	0
	Vinyl Chloride	1	0.97	3
SWL0021	Benzene	0.46	0.43	6.7
	Sec-Butylbenzene	1.4	1.5	6.9
	Chlorobenzene	12	12	0
	Di-isopropyl ether (DIPE)	0.48	0.45	6.5
	1,2-Dichlorobenzene	1.2	1.1	8.7
	1,4-Dichlorobenzene	15	16	6.5
	1,1-Dichloroethane	4.4	4.7	6.6
	1,2-Dichloroethane	4	4.2	4.9
	cis-1,2-Dichloroethene	18	19	5.4
	1,2-Dichloropropane	5.3	5.3	0
	Trichloroethene	1.6	1.7	6.1
	Vinyl Chloride	1.9	2.2	14.6
	Manganese	3.77	3.84	1.8
SWL0050	Benzene	2700	2700	0
	Ethylbenzene	190	190	0
	n-Propylbenzene	2.1	2.1	0
	Manganese	1.82	1.93	5.9
SWL0065	Benzene	470	570	19.2
	sec-Butylbenzene	4.7	4.5	4.3
	Ethylbenzene	30	39	26.1
XMW-04HD	Benzene	330000	280000	16.4
XP-03	Dichlordiflouromethane	0.94	1	6.2

T:\Ladd\DelAmo\SiteLocMaps\906-228



N

0 1,000 2,000

Scale in Feet

Source: AirPhotoUSA dated February 2006

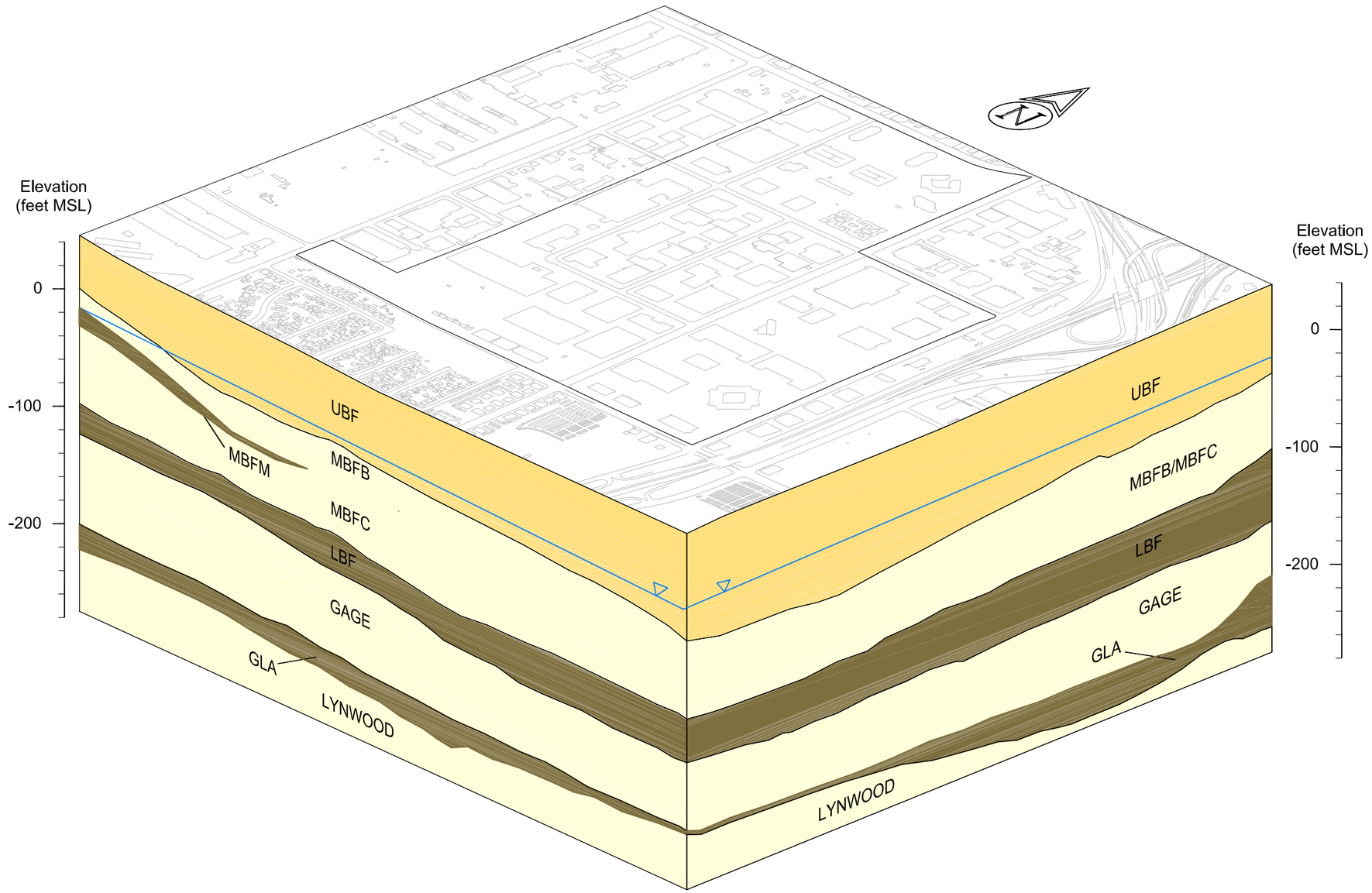
FIGURE 1

SITE LOCATION MAP

Groundwater Remedial Design

URS

T/Ladd/DelAmo/612-074



EXPLANATION

UBF: Upper Bellflower Aquitard

MBFB: Middle Bellflower B Sand

MBFM: Middle Bellflower Mud

MBFC: Middle Bellflower C Sand

LBF: Lower Bellflower Aquitard

Gage: Gage Aquifer

GLA: Gage-Lynwood Aquitard

Lynwood: Lynwood Aquifer

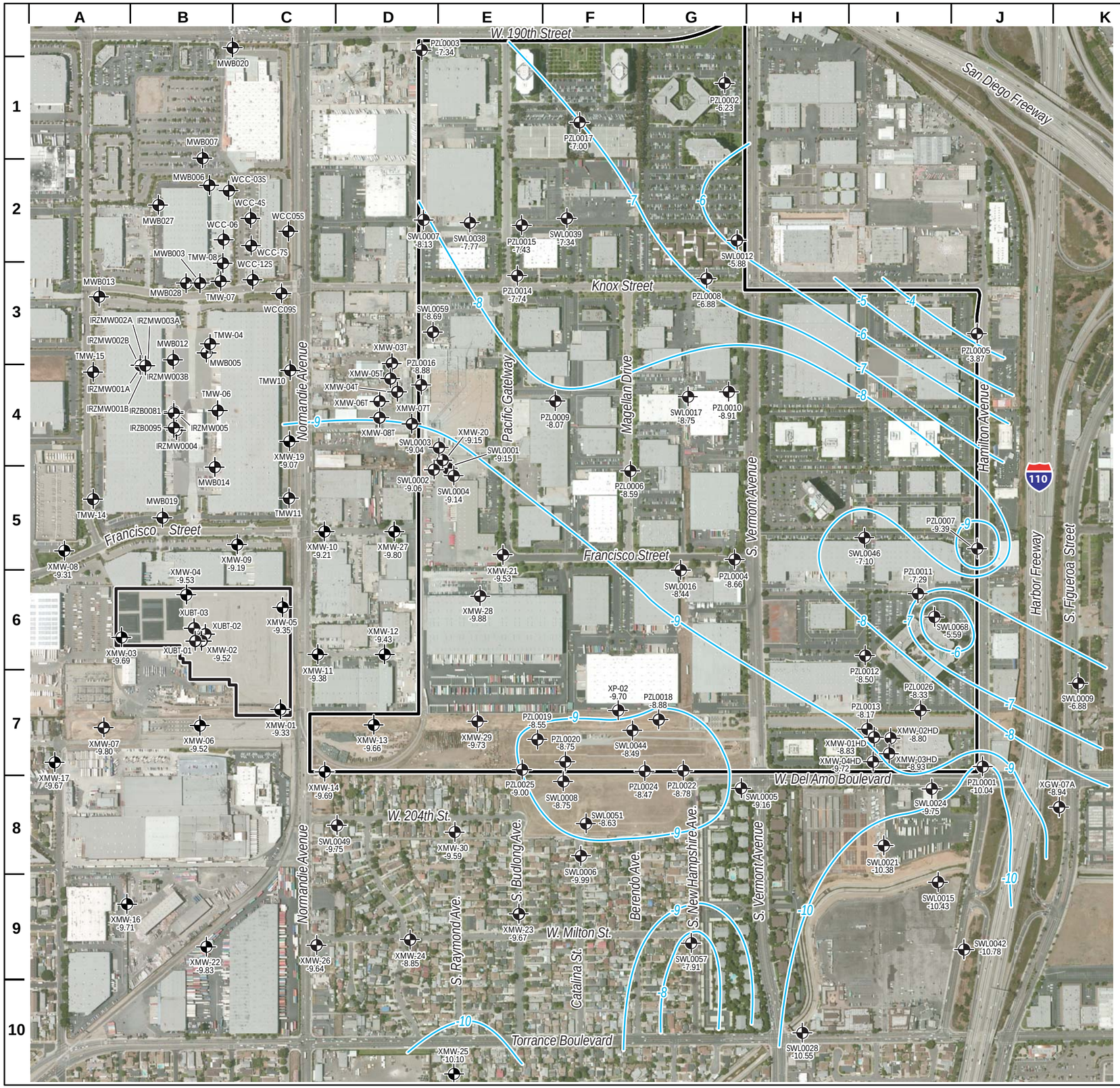
FIGURE 2

HYDROSTRATIGRAPHIC BLOCK DIAGRAM

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204E-1D



N

0 600 1200

Scale in Feet

Legend

SWL0017 -8.75 — Monitoring location with groundwater elevation (feet MSL)

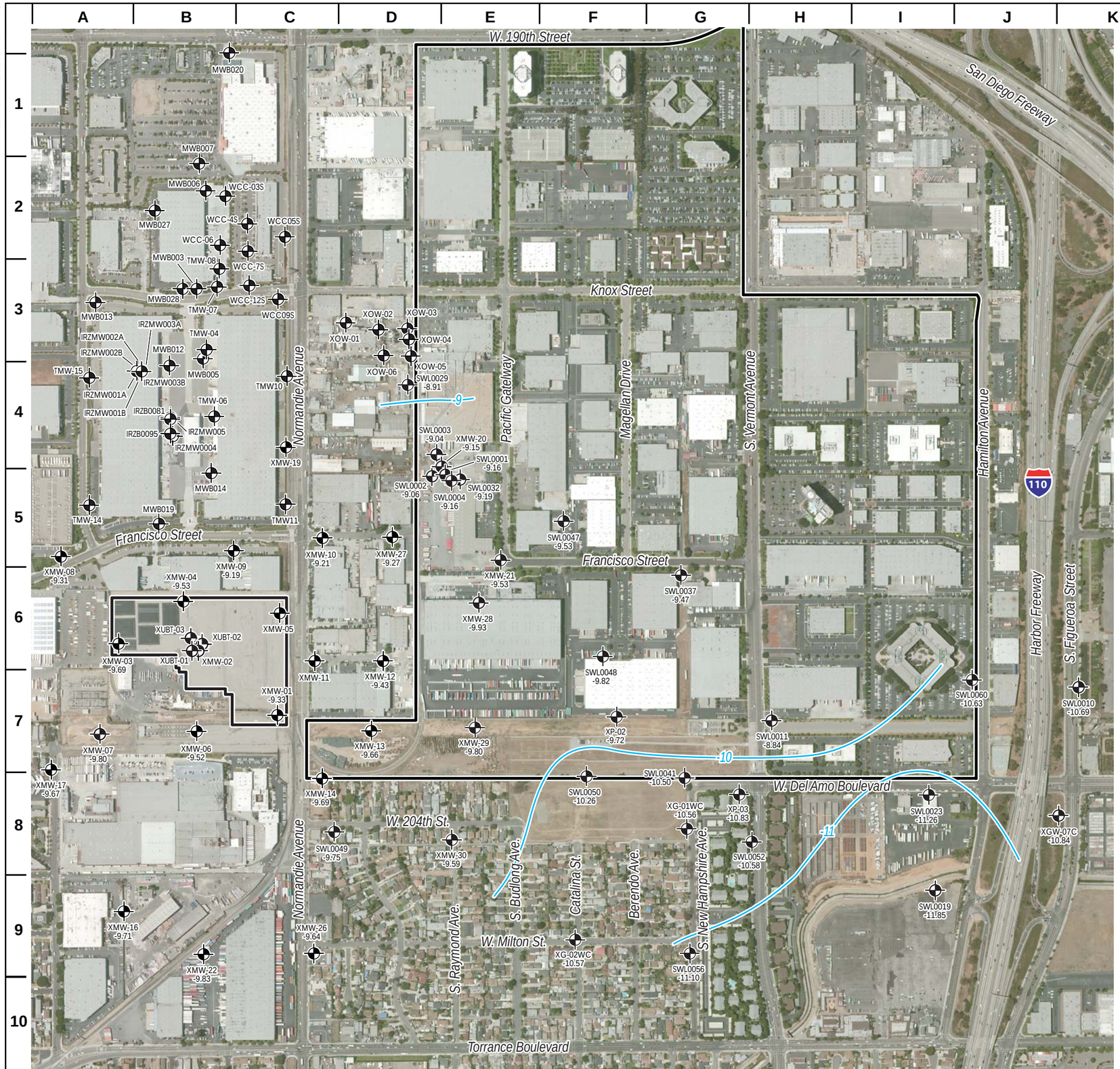
FIGURE 3

GROUNDWATER ELEVATIONS
WATER TABLE ZONE
February 2012

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202D-1C



N

0 600 1200

Scale in Feet

Legend

Monitoring location with groundwater elevation (feet MSL)

SWL0037
-9.47

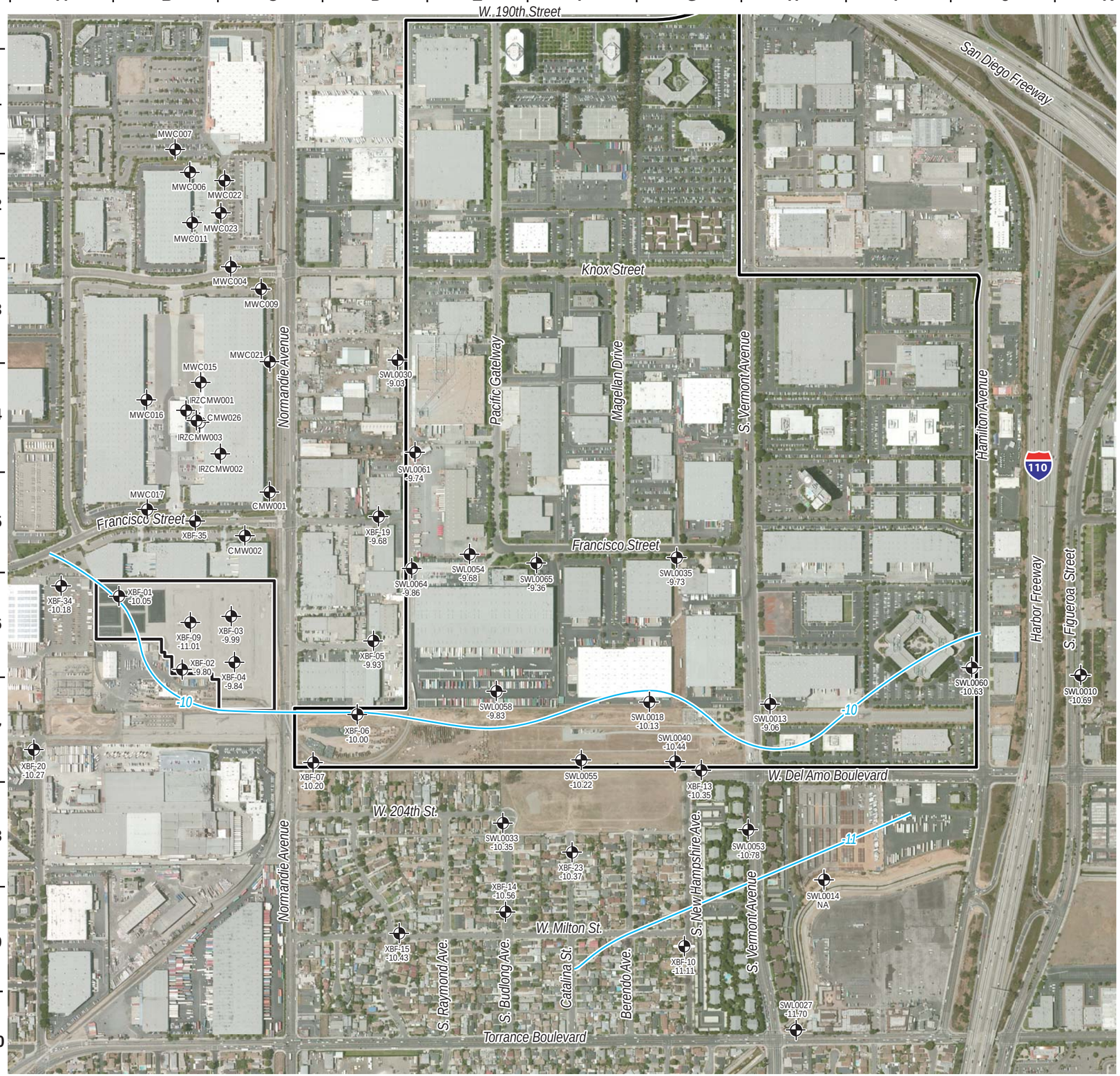
FIGURE 4

GROUNDWATER ELEVATIONS
MIDDLE BELLFLOWER B SAND
February 2012

Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201D-1B



N

0 600 1200

Scale in Feet

Legend

SWL0035 -9.73 — Monitoring location with groundwater elevation (feet MSL)

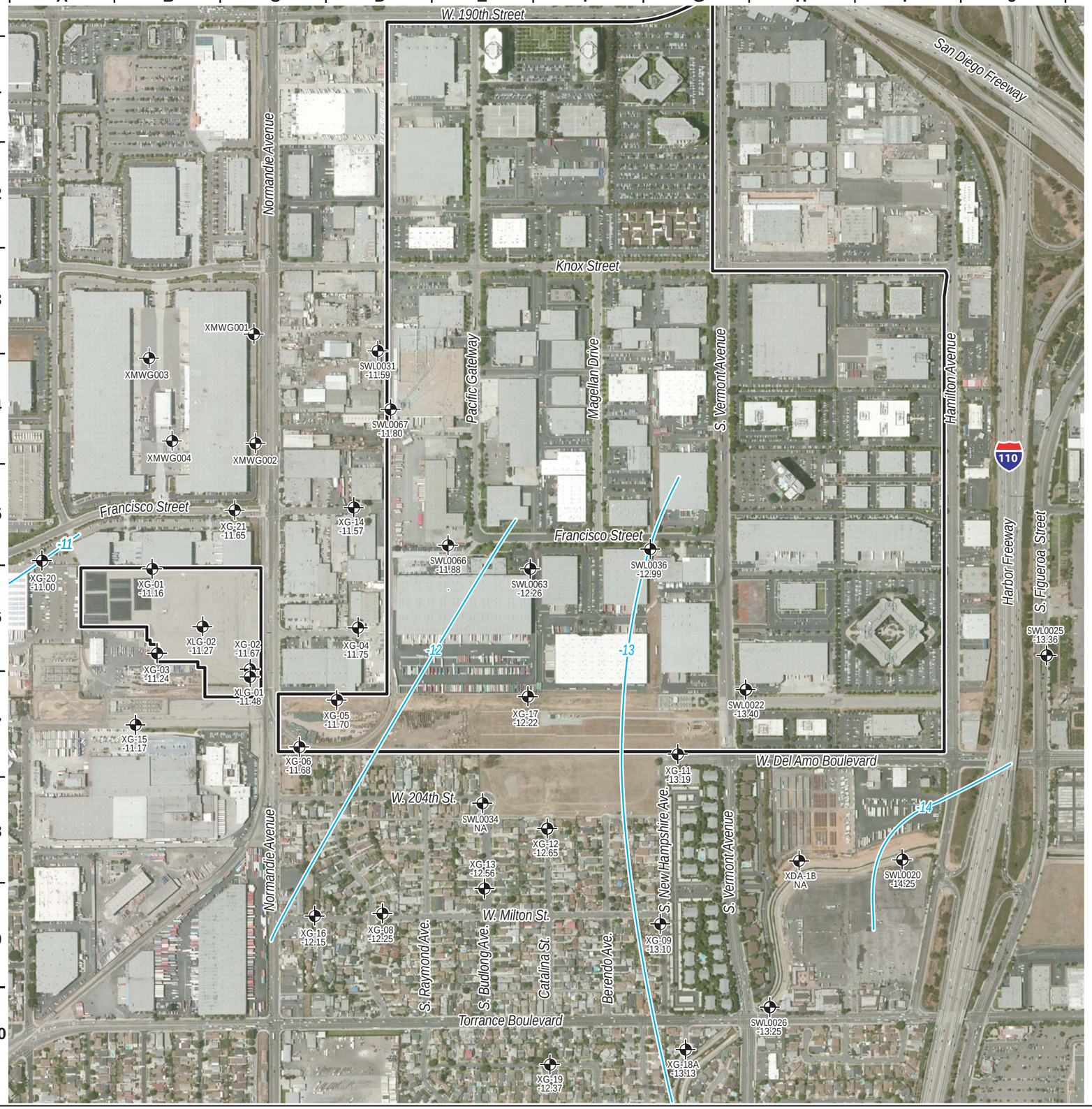
FIGURE 5

GROUNDWATER ELEVATIONS
MIDDLE BELLFLOWER C SAND
February 2012

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203D-1B



N

0 600 1200

Scale in Feet

Legend

SWL0036 -12.99 — Monitoring location with groundwater elevation (feet MSL)

FIGURE 6

GROUNDWATER ELEVATIONS
GAGE AQUIFER
February 2012

Groundwater Remedial Design

URS

N

0 200 400

Scale in Feet

Legend

SWL0005	0.43	Monitoring well location with 2012 detected VOC concentrations
PZL0013 (07/00)	300000	Monitoring well location not sampled for VOCs in 2012 with most recent historical VOC concentrations and date
CPL0086 (04/06)	ND	Temporary well location with historical detected VOC concentrations (µg/l) and date
SBL0493 (03/05)	260,000	Hydropunch location with historical detected VOC concentrations (µg/l) and date
XDM-02 (02/93)	200000	Abandoned monitoring location with most recent historical VOC concentrations and date

NOTES:

* Data collected by other investigators.

^ Locations where VOC analytes were limited to chlorinated compounds (no BTEX etc)

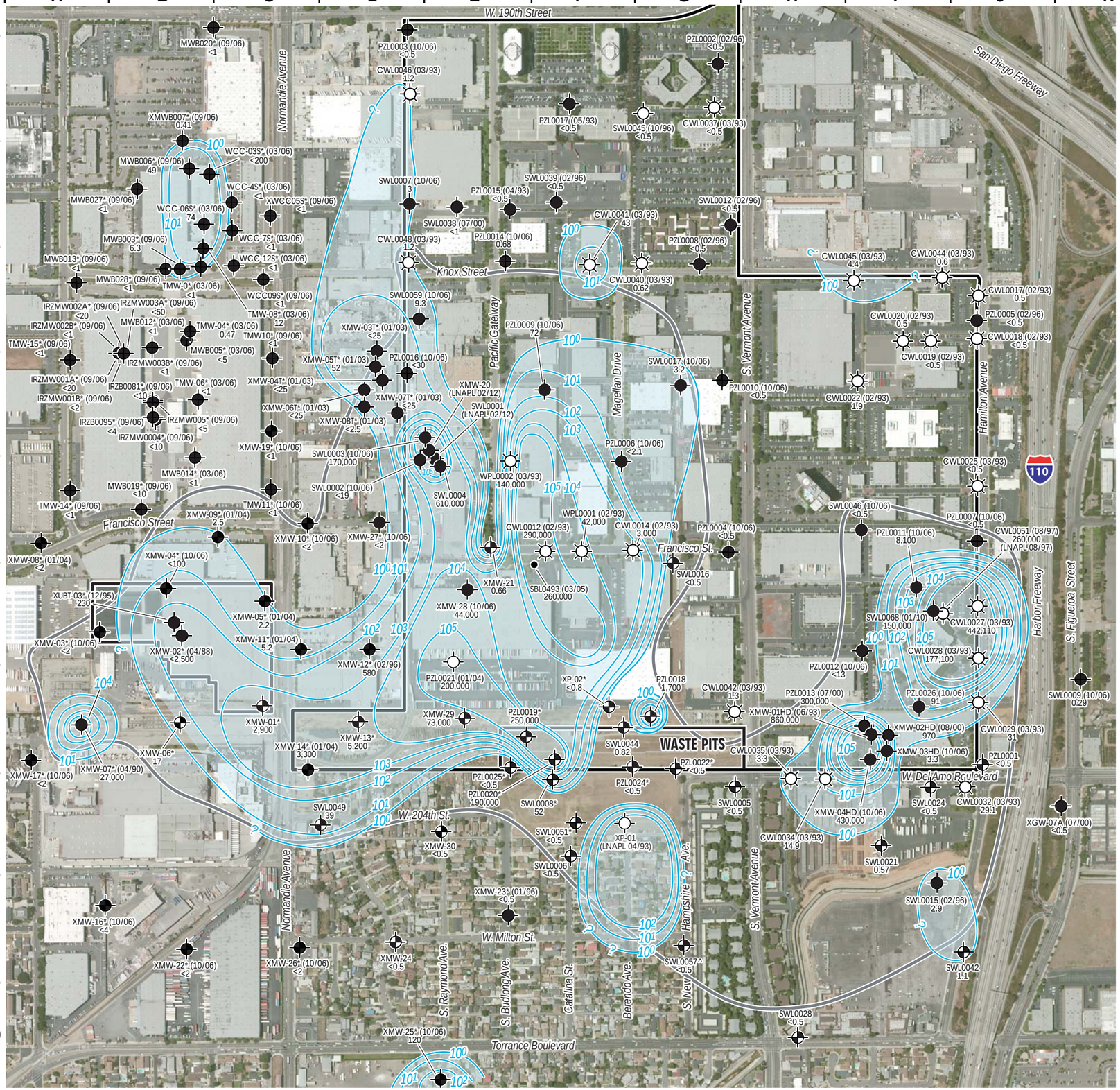
FIGURE 7

DISSOLVED VOC CONCENTRATIONS WATER TABLE ZONE

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204E-2H



N

0 600 1200

Scale in Feet

Legend

SWL0016 <0.5	Monitoring well location with 2012 benzene concentration (µg/l)
PZL0005 (02/96) <0.5	Monitoring well not sampled in 2012 with most recent historical benzene concentration (µg/l) and date
SBL0493 (03/05) 260,000	Hydropunch sampling location with benzene concentration (µg/l) and date
CWL0025 (03/93) <0.5	Temporary well point with historical benzene concentration (µg/l) and date
SWL0045 (10/96) <0.5	Abandoned/destroyed monitoring well with historical benzene concentration (µg/l) and date
(LNAPL 02/12)	Light non-aqueous phase liquid present and date of observation
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
10^0	Benzene Concentration Isopleth (µg/l)
*	Data collected by other investigators
^	Concentration isopleths in the vicinity of this well are influenced by historical detections

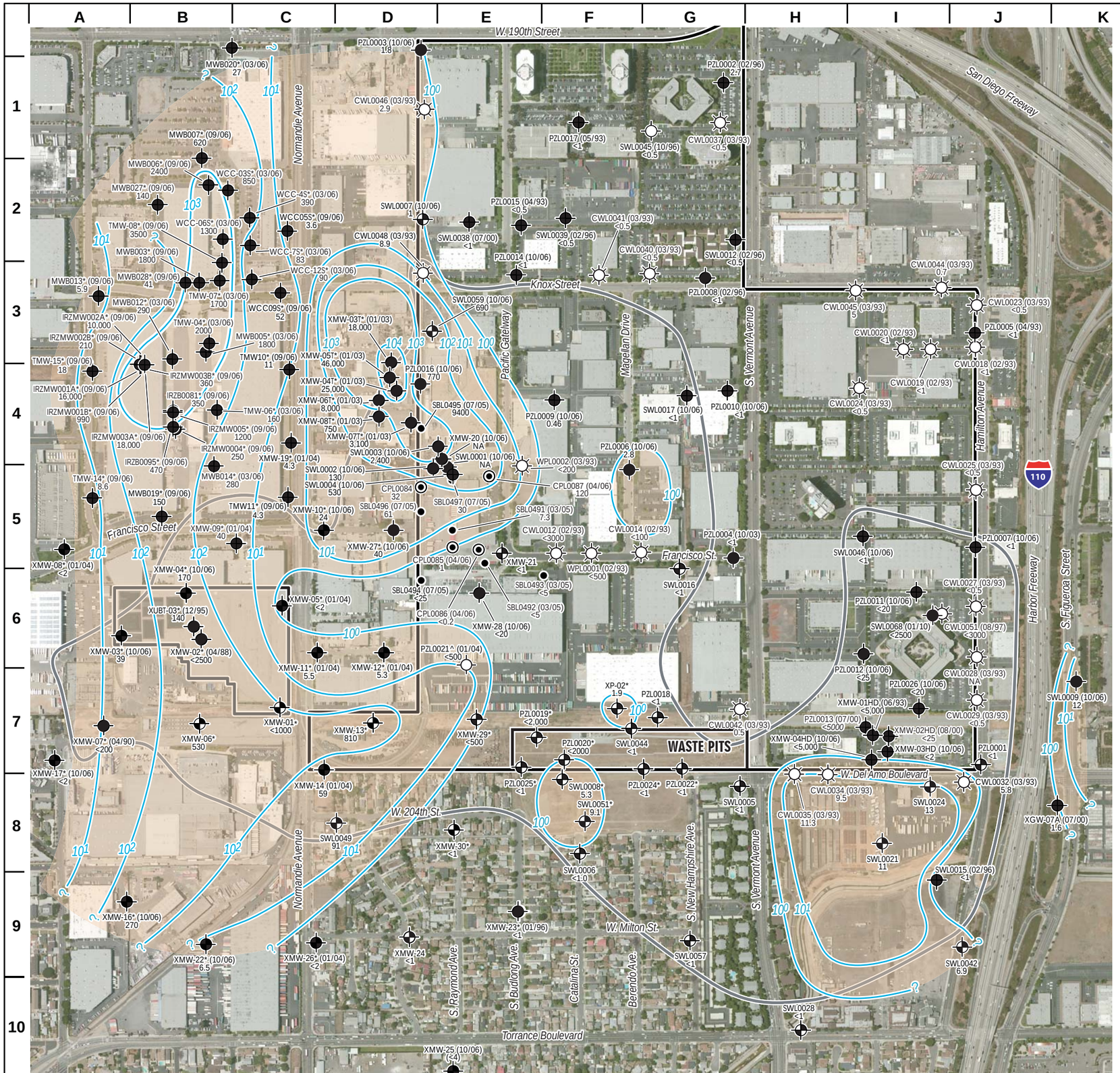
FIGURE 8

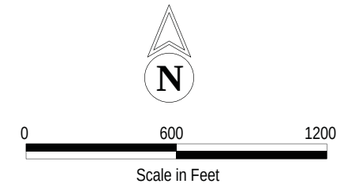
DISSOLVED BENZENE DISTRIBUTION WATER TABLE ZONE

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204H-1D





Legend

- SWL0017 <1 — Monitoring well location with 2012 TCE concentration (µg/l)
- SWL0015 (02/06) <1 — Monitoring well not sampled for VOCs in 2012 with most recent historical TCE concentration (µg/l) and date
- PZL0021 (01/04) <500 — Abandoned/destroyed monitoring well with most recent historical TCE concentration (µg/l) and date
- CWL0025 (03/93) <0.5 — Temporary well point with historical TCE concentration (µg/l) and date
- CPL0085 (04/06) 1 — Temporary well location with TCE concentration (µg/l) and date
- SBL0496 (07/05) 61 — Hydropunch sampling location with TCE concentration (µg/l) and date
- Containment zone, as presented in the groundwater ROD (EPA, 1999)
- 101 — TCE concentration isopleth (mg/l)
- ^ — Concentration isopleths in the vicinity of this well are influenced by historical detections
- * — Data collected by other investigators

FIGURE 9

DISSOLVED TCE DISTRIBUTION WATER TABLE ZONE

Groundwater Remedial Design

URS

N

0 200 400

Scale in Feet

Legend

- XMW-26 (10/06) — All Analytes ND — Monitoring well location with 2012 detected VOC concentrations
- SBL0019 (02/96) — All Analytes ND — Monitoring well location with most recent historical VOC concentrations (2006 data not available)
- CPL0086* (04/06) — Trichloroethene 350 — Temporary well location with historical detected VOC concentrations (mg/l)
- SBL0475 (09/04) — Toluene 1.6, Trichloroethene 95, Tetrachloroethene 1.6, 1,1-Dichloroethene 5.3, Cis-1,2-Dichloroethene 6 — Hydropunch location with historical detected VOC concentrations (mg/l)
- XDM-02 (02/93) — Benzene 200,000 — Monitoring location that has been destroyed/abandoned with most recent historical VOC concentrations
- ^ Analyzed only for chlorinated compounds using EPA Method 8260M
- * Data collected by other investigators

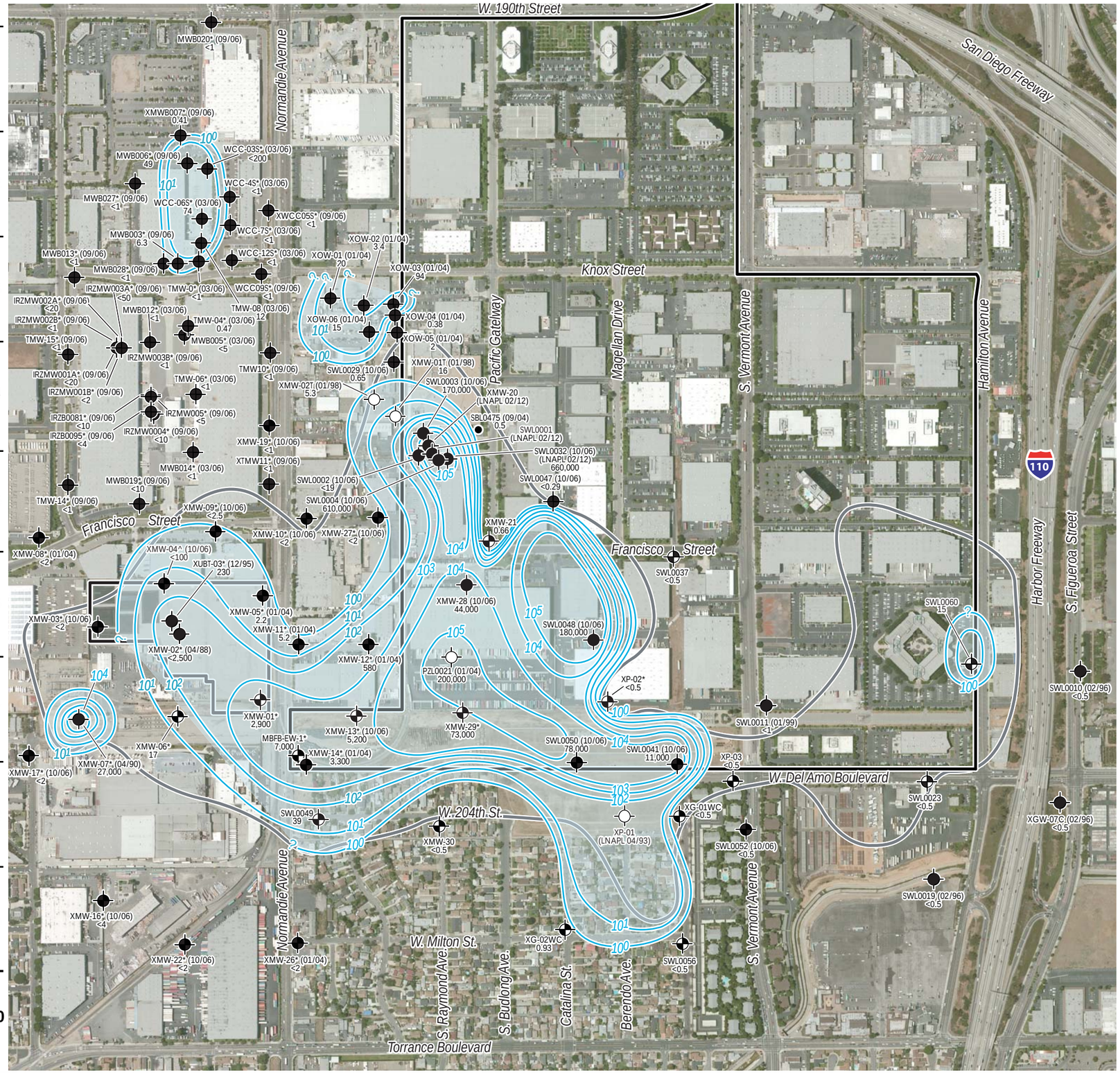
FIGURE 10

DISSOLVED VOC CONCENTRATIONS MIDDLE BELLFLOWER B SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202D-2B



N

0 600 1200

Scale in Feet

Legend

SWL0023 <0.5	Monitoring well location with 2012 benzene concentration (µg/l)
SWL0010 (02/96) <0.5	Monitoring well not sampled in 2012 with most recent historical benzene concentration (µg/l) and date
●	Hydropunch sampling location with benzene concentration (µg/l) and date
(LNAPL 02/12)	Light non-aqueous phase liquid present and date of observation
101	Benzene concentration isopleth (µg/l)
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
^	Concentration isopleths in vicinity of this well are influenced by historical detections
*	Data collected by other investigators

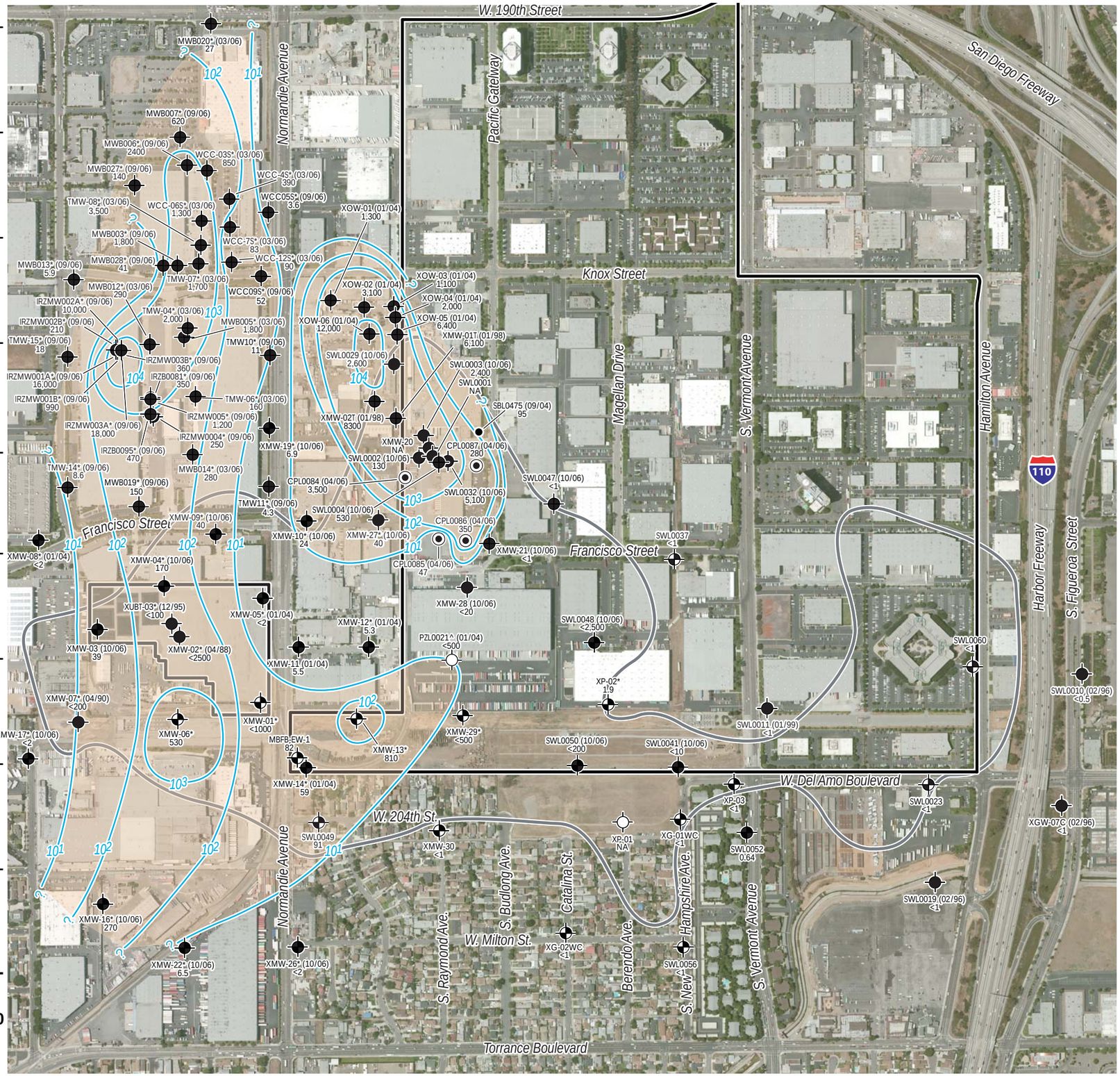
FIGURE 11

DISSOLVED BENZENE DISTRIBUTION MIDDLE BELLFLOWER B SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202D-3C



N

0 600 1200

Scale in Feet

Legend

SWL0048 <2,500	Monitoring well location with 2012 TCE concentration (µg/l)
SWL0011 (01/99) <1	Monitoring well not sampled in 2012 with most recent historical TCE concentration (µg/l) and date
XP-01 NA	Abandoned/destroyed monitoring well with most recent historical TCE concentration (µg/l) and date
CPL0087 (04/06) 280	Temporary well with TCE concentration (µg/l) and date
SBL0475 (09/04) 95	Hydropunch sampling location with TCE concentration (µg/l) and date
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
101	TCE concentration isopleth (µg/l)
^	Concentration isopleths in vicinity of this well are influenced by historical detections
*	Data collected by other investigators

FIGURE 12

DISSOLVED TCE DISTRIBUTION MIDDLE BELLFLOWER B SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1004-219B

N

0 600 1200

Scale in Feet

Legend

SWL0035 — All Analytes ND	Monitoring location with 2012 detected VOC concentrations (µg/l)
SWL0014 (02/96) — All Analytes ND	Monitoring location not sampled in 2012 with most recent historical VOC concentrations (µg/l) and date
CPL0087 (04/06) — Trichloroethene 490; Tetrachloroethene 30; 1,1-Dichloroethene 7.3; cis-1,2-Dichloroethene 17	Temporary well location with historical detected VOC concentrations (µg/l) and date
SBL0496 (07/05) — All Analytes ND	Hydropunch location with historical detected VOC concentrations (µg/l) and date
XBF-08* (08/94) — Xylenes(total) 100; Chlorobenzene 3,500	Destroyed monitoring location with most recent historical VOC concentrations (µg/l) and date
*	Data collected by other investigators

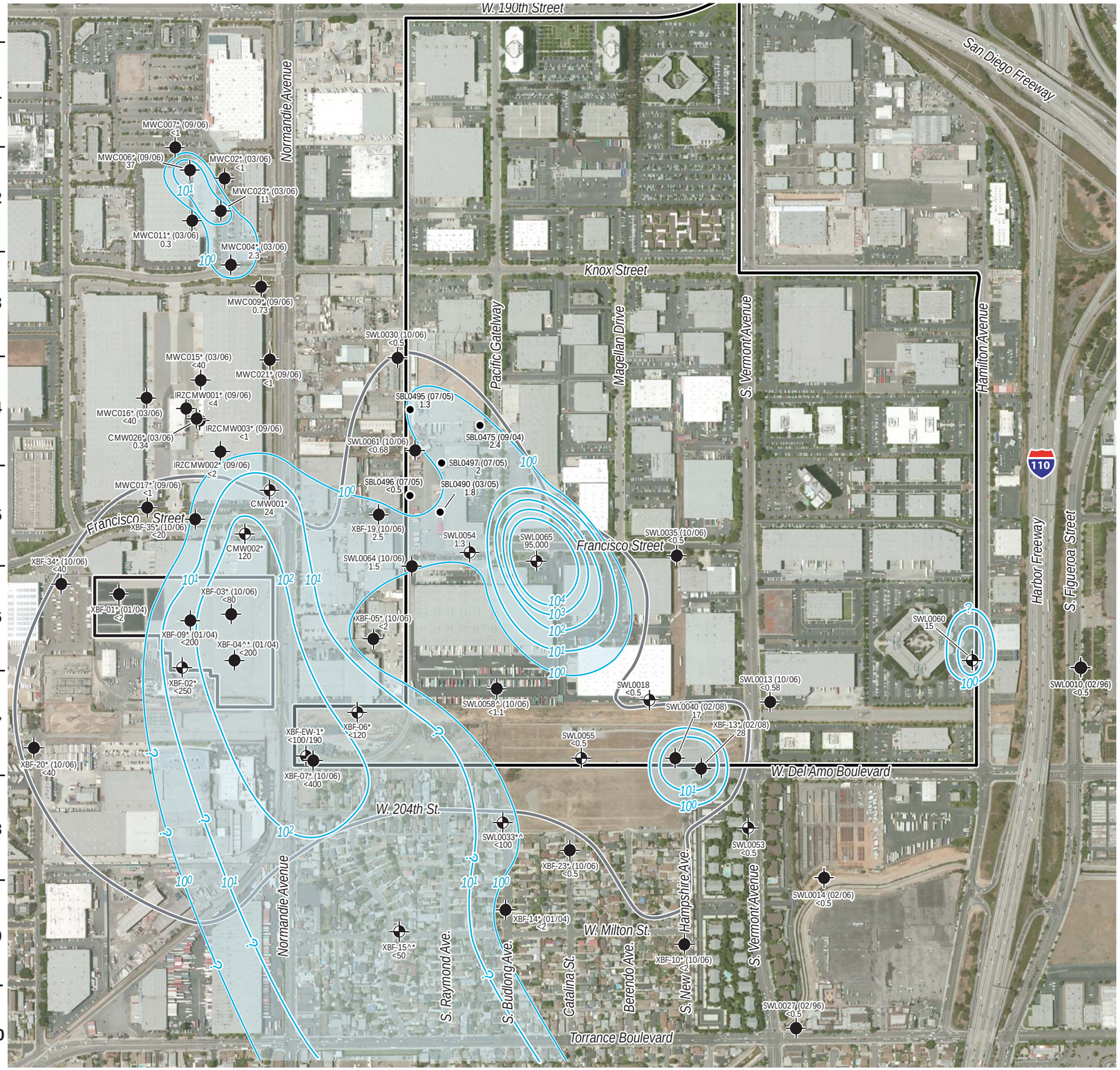
FIGURE 13

DISSOLVED VOC CONCENTRATION MIDDLE BELLFLOWER C SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201D-2



N

0 600 1200

Scale in Feet

Legend

SWL0035 <0.5	Monitoring well location with 2012 benzene concentration (µg/l)
SWL0014 (02/06) <0.5	Monitoring well not sampled in 2012 with most recent historical benzene concentration (µg/l) and date
SBL0495 (07/05) 1.3	Hydropunch sampling location with benzene concentration (µg/l) and date
10^0	Benzene concentration isopleth (µg/l)
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
^	Concentration isopleths in vicinity of this well are influenced by historical detections
*	Data collected by other investigators

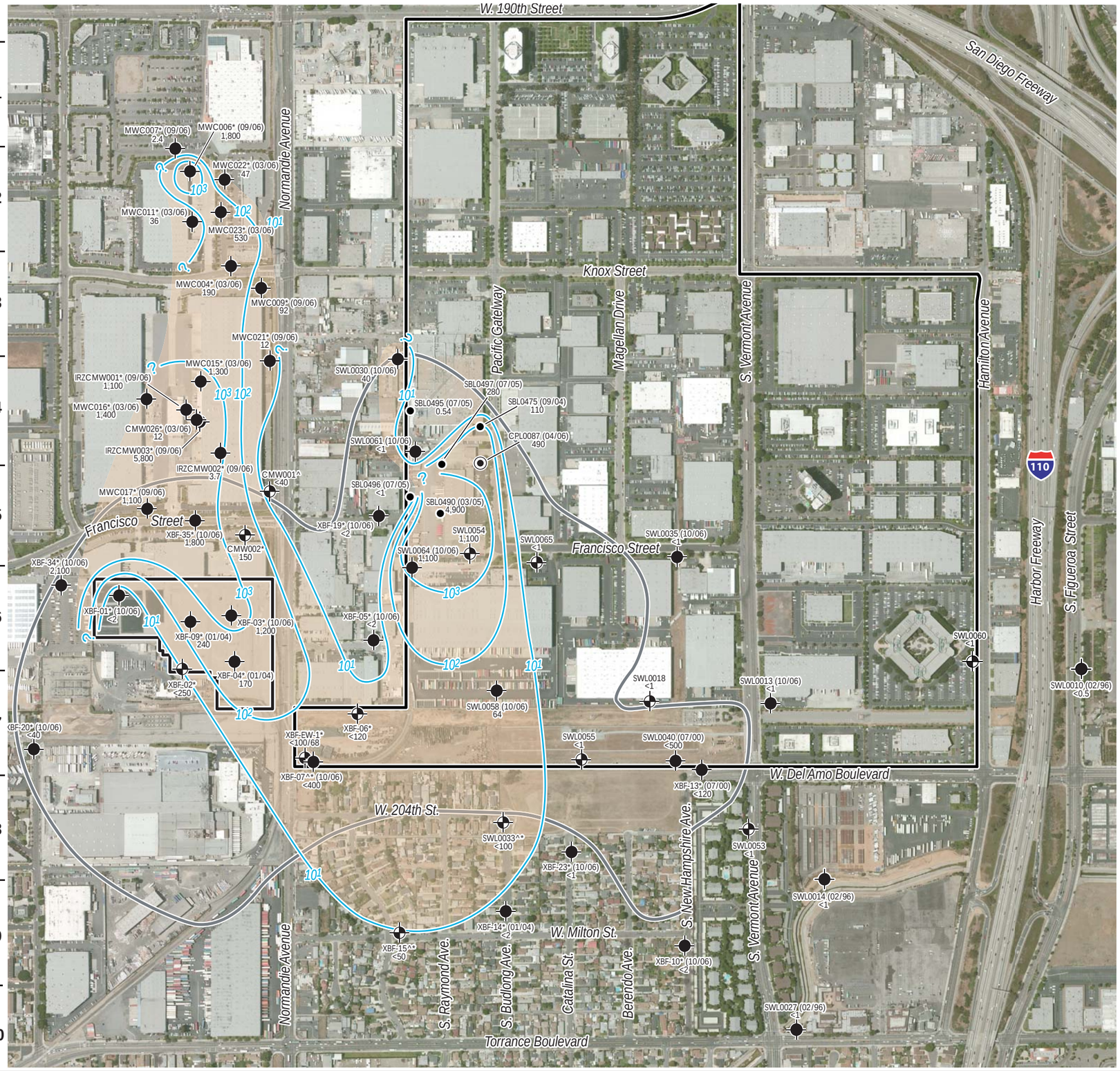
FIGURE 14

DISSOLVED BENZENE DISTRIBUTION MIDDLE BELLFLOWER C SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201D-3B



N

0 600 1200

Scale in Feet

Legend

SWL0053 <1	Monitoring well location with 2012 TCE concentration (µg/l)
SWL0014 (02/96) <1	Monitoring well not sampled in 2012 with most recent historical TCE concentration (µg/l) and date
CPL0087 (04/06) 490	Temporary well with TCE concentration (µg/l) and date
SBL0497 (07/05) 280	Hydropunch sampling location with TCE concentration (µg/l) and date
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
10^0	TCE concentration isopleth (µg/l)
^	Concentration isopleths in vicinity of this well are influenced by historical detections
*	Data collected by other investigators

FIGURE 15

DISSOLVED TCE DISTRIBUTION MIDDLE BELLFLOWER C SAND

Groundwater Remedial Design

URS

T/Ladd/DelArno/1004-218A

N

0 600 1200

Scale in Feet

Legend

XG-11 Chlorobenzene 20	Monitoring location with 2012 detected VOC concentrations (µg/l)
XDA-1B (01/04) Benzene 1.1	Monitoring location not sampled in 2012 with most recent historical VOC concentrations (µg/l) and date
XG-07* (08/94) Chlorobenzene 73	Abandoned monitoring location with most recent historical VOC concentrations (µg/l) and date
●	Hydropunch sampling location with benzene concentration (µg/l) and date
*	Data collected by other investigators

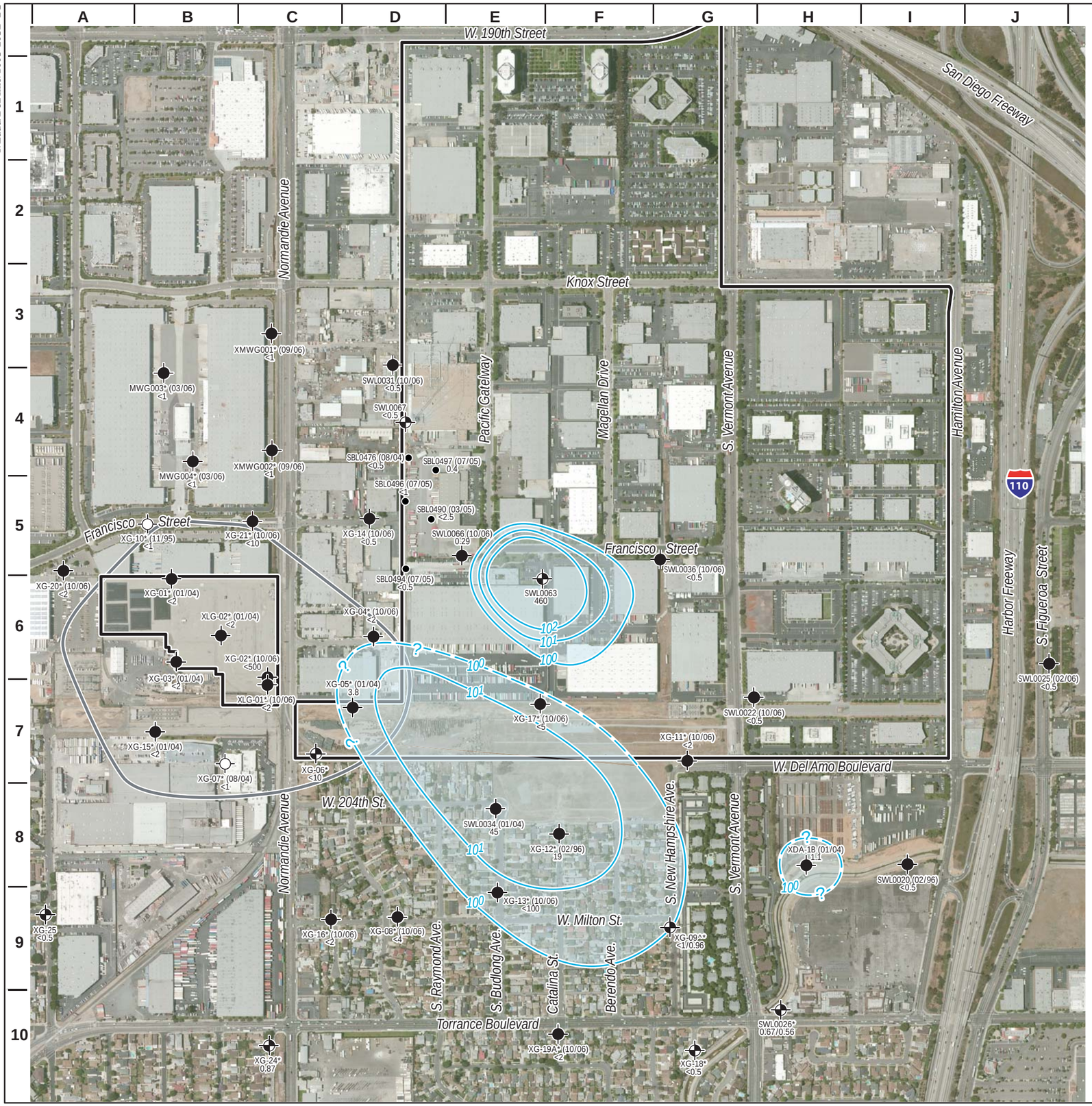
FIGURE 16

DISSOLVED VOC CONCENTRATIONS GAGE AQUIFER

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203D-2C



N

0 600 1200

Scale in Feet

Legend

SWL0022 <0.5	Monitoring well location with 2012 benzene concentration (µg/l)
SWL0020 (02/96) <0.5	Monitoring well not sampled in 2012 with most recent historical benzene concentration (µg/l) and date
SBL0497 (07/05) 0.4	Hydropunch sampling location with benzene concentration (µg/l) and date
100	Benzene Concentration Isopleths (µg/l)
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
^	Concentration isopleths in the vicinity of this well are influenced by historical detections
*	Data collected by other investigators

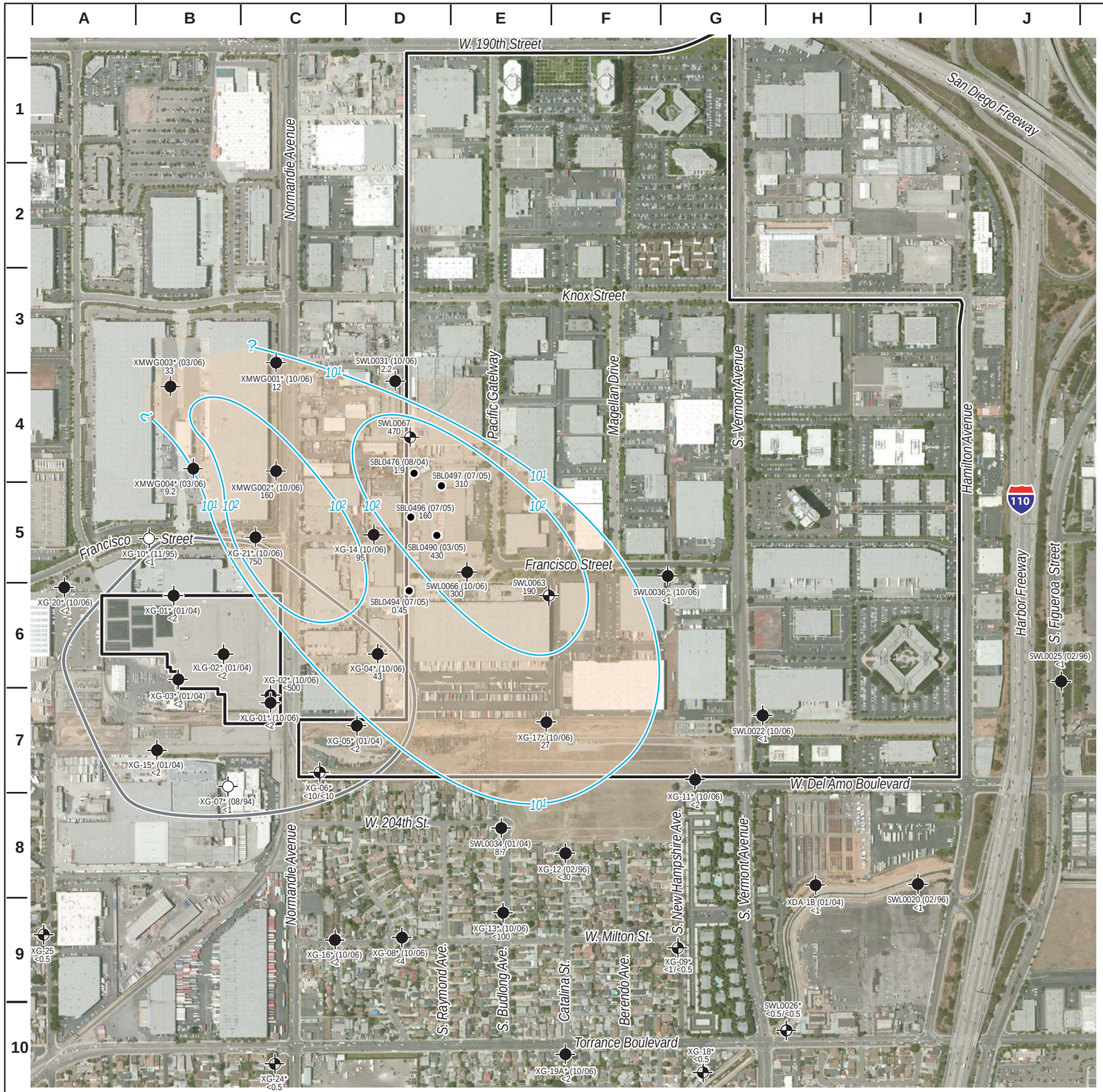
FIGURE 17

DISSOLVED BENZENE DISTRIBUTION GAGE AQUIFER

Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203D-3B



N

0 600 1200

Scale in Feet

Legend

SWL0022	Monitoring well location with 2012 TCE concentration (µg/l)
SWL0025 (02/96) <1	Monitoring well not sampled in 2012 with most recent historical TCE concentration (µg/l) and date
SBL0497 (07/05) 310	Hydropunch sampling location with TCE concentration (µg/l) and date
10^2	TCE concentration isopleth (µg/l)
	Containment zone, as presented in the groundwater ROD (EPA, 1999)
NA	Not available
^	Concentration isopleths in the vicinity of this well are influenced by historical detections
*	Data collected by other investigators

FIGURE 18

DISSOLVED TCE DISTRIBUTION GAGE AQUIFER

Groundwater Remedial Design

URS

T/Ladd/DelAmo/312-043

N

0 600 1200

Scale in Feet

Legend

PZL0001 51 — Monitoring location with 2012 TBA concentration (µg/l)

SWL0046 — Monitoring locations where TBA has not been tested for

46,700* (4/12/11) — Service station location with maximum dissolved TBA concentration (µg/l) and date as available from Geotracker database

10^1 — TBA concentration isopleth (µg/l)

Containment zone, as presented in the groundwater ROD (EPA, 1999)

* Data collected by other investigators

FIGURE 19

DISSOLVED TBA DISTRIBUTION WATER TABLE ZONE

Groundwater Remedial Design

URS

T/Ladd/DelAmo/312-044

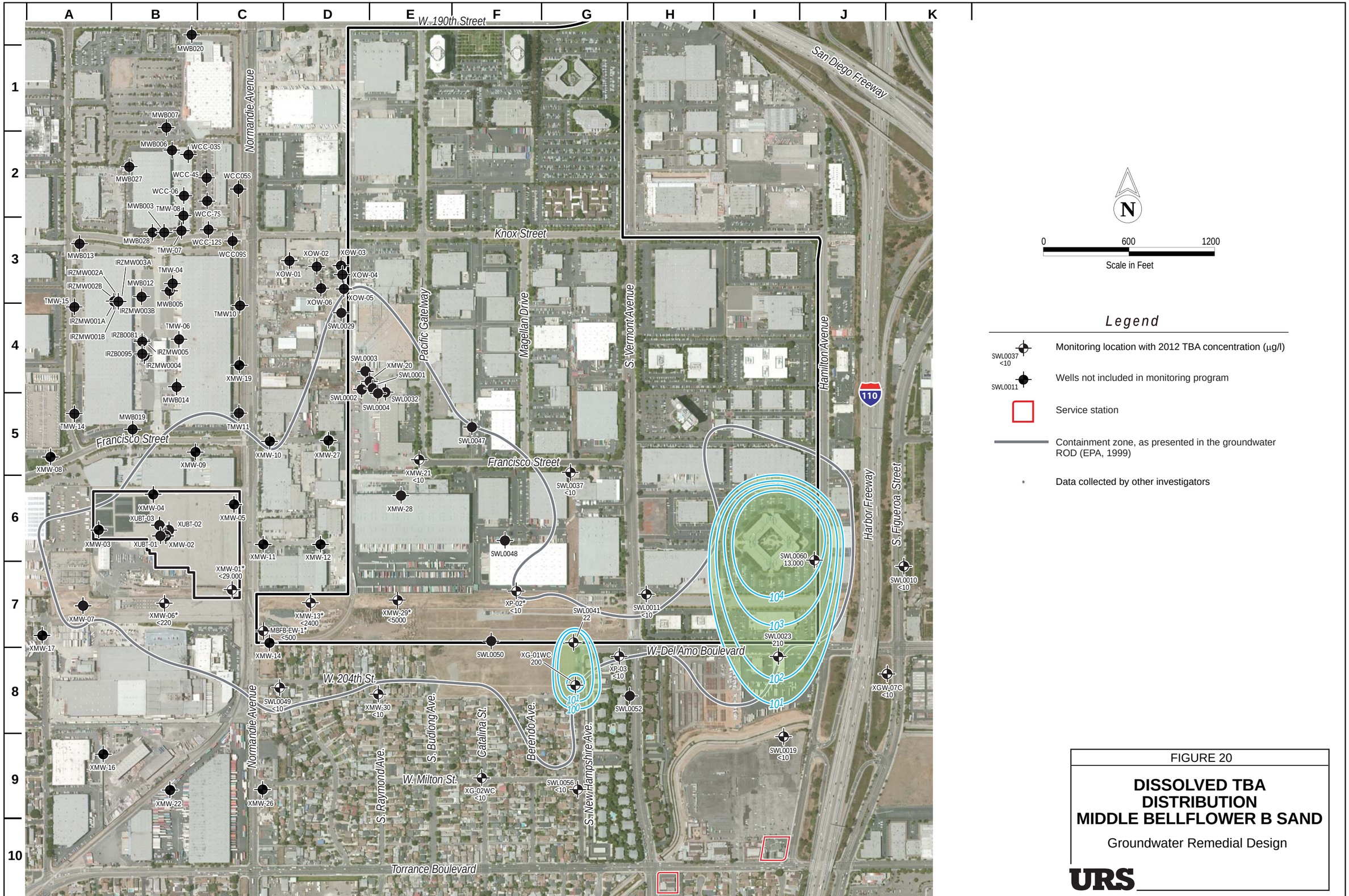


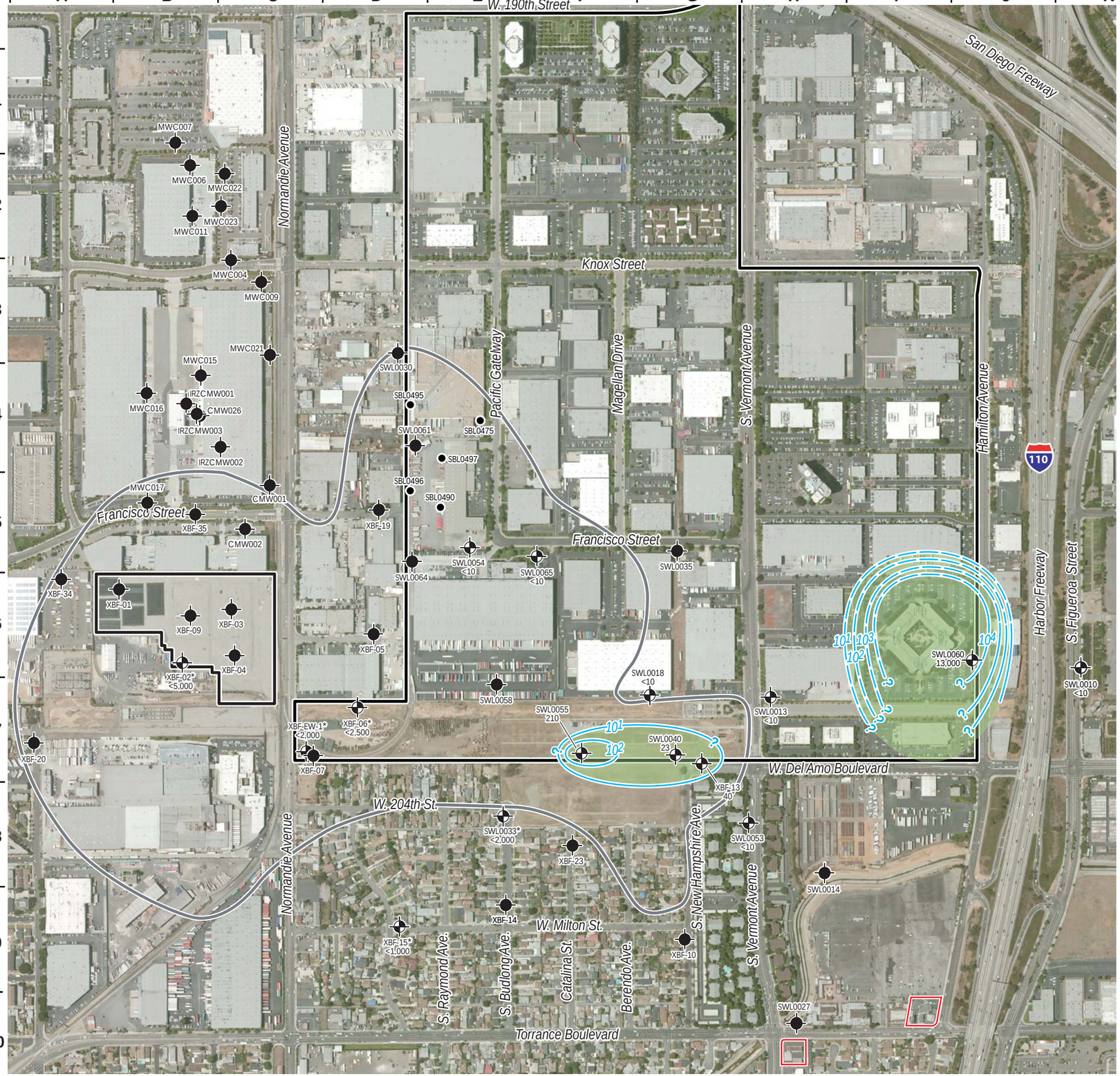
FIGURE 20

DISSOLVED TBA DISTRIBUTION MIDDLE BELLFLOWER B SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/312-045



N

0 600 1200

Scale in Feet

Legend

SWL0054 <10 — Monitoring location with 2012 TBA concentration (µg/l)

SWL0035 — Wells not included in monitoring program

SBL0490 — Hydropunch sampling location

Service station

Containment zone, as presented in the groundwater ROD (EPA, 1999)

* Data collected by other investigators

Note:

SWL0060 and SWL0010 are classified as both MBFB and MBFC wells (see cross section)

FIGURE 21

DISSOLVED TBA DISTRIBUTION MIDDLE BELLFLOWER C SAND

Groundwater Remedial Design

URS

T/Ladd/DelAmo/312-046

N

0 600 1200

Scale in Feet

Legend

SWL0063 <10 — Monitoring location with 2012 TBA concentration (µg/l)

SWL0036 — Wells not included in monitoring program

SBL0490 — Hydropunch sampling location

Service station

Containment zone, as presented in the groundwater ROD (EPA, 1999)

* Data collected by other investigators

FIGURE 22

DISSOLVED TBA DISTRIBUTION GAGE AQUIFER

Groundwater Remedial Design

URS

APPENDIX A

WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000216663
2. Page 1 of 1
3. Emergency Response Phone: 800-424-9300
4. Manifest Tracking Number: 013210595 JJK

5. Generator's Name and Mailing Address:
Del Amo Waste Pits Respondents
P.O. Box 92316
Long Beach, CA 90809-2316 USA
Generator's Phone 713-241-1123

Generator's Site Address (if different than mailing address):
20245 S. Vermont Ave
Torrance, CA 90502 USA

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000149338

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Evoqua Water Technologies, LLC
5375 South Boyle Ave.
Los Angeles, CA 90058
Facility's Phone: 323-277-1500
U.S. EPA ID Number: CAD097030893

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, Hazardous Waste Liquid, N.O.S. (Benzene), 9, PGIII	1	TT	600	G	135	D018	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear appropriate PPE while handling. Weights or volumes are approximate
Water contaminated with Benzene.
Job#: 34010-2-11 RIPR#: 103711 SAR#: DEL AMO Profile#: P191619 RS 95490 D 204509

15. **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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: AIS on behalf of SOPUS-J. Sherman
Signature: [signature]
Month 12 Day 1 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: IRVIN DUNCAN
Signature: [signature]
Month 12 Day 1 Year 14
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H135 H135
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Aaron Hasted
Signature: [signature]
Month 12 Day 01 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

EVOQUA

WATER TECHNOLOGIES

Evoqua Water Technologies LLC
Certificate of Treatment and Waste Management

Issued To:

DEL AMO WASTE PITS RESPONDENTS FORMERLY SHELL OIL PRODUCT
20245 SOUTH VERMONT
TORRANCE, CA 90502

This Certifies That:

Manifest Number: **013210595JJK**

Date Received: **12/1/2014**

The waste described on the above manifest was received and accepted by Evoqua Water Technologies LLC for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Evoqua Water Technologies LLC wastewater treatment system treats wastewaters by removing toxic and hazardous constituents, discharging the treated water to the sewer operated by County Sanitation Districts of Los Angeles County, where it is further treated or recycled. Residues and other components of the waste may be recycled where provided for under Federal, State and local regulations.
The processing of the waste by Evoqua Water Technologies LLC completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

APPENDIX B

LABORATORY ANALYTICAL DATA

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0299

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0299

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Work Order Narrative

Work Order: 14-09-0299 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/04/14. They were assigned to Work Order 14-09-0299.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0299
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/04/14 18:23
		Number of Containers:	30
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
GWS2432	14-09-0299-1	09/04/14 15:10	3	Aqueous
GWS2457	14-09-0299-2	09/04/14 14:28	3	Aqueous
GWS2489	14-09-0299-3	09/04/14 13:24	3	Aqueous
GWS2459	14-09-0299-4	09/04/14 10:54	3	Aqueous
GWS2436	14-09-0299-5	09/04/14 09:55	10	Aqueous
GWS2408	14-09-0299-6	09/04/14 08:46	3	Aqueous
FBS2023	14-09-0299-7	09/04/14 07:00	2	Aqueous
FBS2038	14-09-0299-8	09/04/14 15:45	3	Aqueous

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QC Association Summary

Work Order: 14-09-0299

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
GWS2432	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
GWS2457	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
GWS2489	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
GWS2459	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
GWS2436	EPA 300.0 Anions		N/A	IC 7	140904S02	140904L02
GWS2436	EPA 300.0 Anions	R	N/A	IC 7	140905S01	140905L01
GWS2436	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140909SA3	140909LA3A
GWS2436	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
GWS2436	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2436	SM 2320B Alkalinity		N/A	PH1/BUR03	E0904ALKD4	E0904ALKB4
GWS2436	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0904FES1	E0904FEL1
GWS2436	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0904CO2D4	
GWS2408	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
FBS2023	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019
FBS2038	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S007	140905L019

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R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0299
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/04/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2432 (14-09-0299-1)						
1,4-Dichlorobenzene	0.77	J	0.43*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	19		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	0.95		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	9.8		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	6.7		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	5.6		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	0.35	J	0.30*	ug/L	EPA 8260B	EPA 5030C
GWS2457 (14-09-0299-2)						
Toluene	0.60	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2489 (14-09-0299-3)						
Toluene	0.80	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2459 (14-09-0299-4)						
Acetone	16	J	10*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.80	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	4.5		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	88		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.48	J	0.33*	ug/L	EPA 8260B	EPA 5030C
GWS2436 (14-09-0299-5)						
Sulfate	250	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	200		5.0	mg/L	EPA 300.0	N/A
Manganese	0.960		0.00500	mg/L	EPA 6010B	EPA 3010A Total
1,1-Dichloroethane	1.6		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	4.6		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.82	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	10		1.0	ug/L	EPA 8260B	EPA 5030C
Methane	12.4		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	662		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.434		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	390		5.0	mg/L	SM4500-CO2D	N/A
GWS2408 (14-09-0299-6)						
Dichlorodifluoromethane	2.9		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	9.6	J	4.6*	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-E**	**09/04/14 09:55**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	12.4	1.00	0.0400	1.00	

Method Blank	**099-12-663-2242**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:08**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-F**	**09/04/14 09:55**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 01:12**	**140904L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	250	1.0	0.19	1.00	E

GWS2436	**14-09-0299-5-F**	**09/04/14 09:55**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 19:00**	**140905L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	200	5.0	0.94	5.00	

Method Blank	**099-12-906-4976**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 18:32**	**140904L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4969**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 11:24**	**140905L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-G**	**09/04/14 09:55**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	662	5.00	0.848	1.00	

Method Blank	**099-15-859-451**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-H**	**09/04/14 09:55**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.434	0.100	0.0413	1.00	

Method Blank	**099-05-111-4895**	**N/A**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-G**	**09/04/14 09:55**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	390	5.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-J**	**09/04/14 09:55**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 23:02**	**140909LA3A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.960	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14472**	**N/A**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 11:51**	**140909LA3A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2432	**14-09-0299-1-A**	**09/04/14 15:10**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 17:49**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	0.77	1.0	0.43	1.00	J
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	19	1.0	0.28	1.00	
1,2-Dichloroethane	0.95	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	9.8	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	6.7	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	5.6	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	0.35	0.50	0.30	1.00	J
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	120	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2457	**14-09-0299-2-A**	**09/04/14 14:28**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 21:25**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.60	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	122	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2489	**14-09-0299-3-A**	**09/04/14 13:24**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 21:52**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.80	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2459	**14-09-0299-4-A**	**09/04/14 10:54**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 22:20**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	20	10	1.00	J
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.80	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	4.5	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	88	10	4.6	1.00	
Diisopropyl Ether (DIPE)	0.48	2.0	0.33	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	122	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2436	**14-09-0299-5-A**	**09/04/14 09:55**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 22:47**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	1.6	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	4.6	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.82	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	10	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	105	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2408	**14-09-0299-6-A**	**09/04/14 08:46**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 23:14**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	2.9	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	9.6	10	4.6	1.00	J
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	104	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2023	**14-09-0299-7-A**	**09/04/14 07:00**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 20:31**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	109	78-126	
1,2-Dichloroethane-d4	122	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2038	**14-09-0299-8-A**	**09/04/14 15:45**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 20:58**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	112	78-126	
1,2-Dichloroethane-d4	120	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15077**	**N/A**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 16:09**	**140905L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	120	75-135	
Toluene-d8	103	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0231-6	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 20:35**	**140904S02**
14-09-0231-6	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 21:52**	**140904S02**
14-09-0231-6	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 22:07**	**140904S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	4.342	500.0	494.9	98	494.1	98	80-120	0	0-20	
Sulfate	34.92	5000	4910	97	4907	97	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0276-4	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 15:31**	**140905S01**
14-09-0276-4	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 16:02**	**140905S01**
14-09-0276-4	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 16:17**	**140905S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	34.85	5000	4837	96	4838	96	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2436	**Sample**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FES1**
GWS2436	**Matrix Spike**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FES1**
GWS2436	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	0.4340	1.000	1.388	95	1.332	90	70-130	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0491-1	**Sample**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 22:05**	**140909SA3**
14-09-0491-1	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 22:06**	**140909SA3**
14-09-0491-1	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 22:08**	**140909SA3**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	0.08017	0.5000	0.6080	106	0.6074	105	86-116	0	0-7	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2432	**Sample**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 17:49**	**140905S007**
GWS2432	**Matrix Spike**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 19:10**	**140905S007**
GWS2432	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 19:37**	**140905S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.85	102	55.87	112	74-122	9	0-21	
Carbon Tetrachloride	ND	50.00	57.79	116	63.86	128	60-144	10	0-21	
Chlorobenzene	ND	50.00	50.67	101	54.43	109	73-120	7	0-22	
1,2-Dibromoethane	ND	50.00	52.96	106	57.29	115	80-122	8	0-20	
1,2-Dichlorobenzene	ND	50.00	50.64	101	54.25	108	70-120	7	0-26	
1,2-Dichloroethane	0.9534	50.00	62.23	123	68.58	135	64-142	10	0-20	
1,1-Dichloroethene	ND	50.00	54.46	109	59.16	118	52-136	8	0-21	
Ethylbenzene	ND	50.00	49.83	100	54.27	109	77-125	9	0-24	
Toluene	ND	50.00	51.26	103	56.46	113	72-126	10	0-23	
Trichloroethene	5.580	50.00	59.63	108	66.37	122	74-128	11	0-22	
Vinyl Chloride	ND	50.00	53.92	108	50.50	101	67-133	7	0-20	
p/m-Xylene	ND	100.0	102.2	102	109.9	110	63-129	7	0-25	
o-Xylene	ND	50.00	52.75	105	56.88	114	62-128	8	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	56.49	113	62.11	124	68-134	9	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	257.1	103	284.4	114	65-143	10	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	53.86	108	60.06	120	61-139	11	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	54.66	109	61.07	122	64-136	11	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	53.21	106	59.38	119	67-133	11	0-20	
Ethanol	ND	500.0	509.6	102	555.6	111	34-178	9	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2432	**Sample**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 17:49**	**140905S007**
GWS2432	**Matrix Spike**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 19:10**	**140905S007**
GWS2432	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 19:37**	**140905S007**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.14	104	52.27	105	80-120	
Dibromofluoromethane	50.00	55.54	111	55.47	111	78-126	
1,2-Dichloroethane-d4	50.00	59.52	119	62.04	124	75-135	
Toluene-d8	50.00	50.44	101	50.88	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2436	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910D01**
GWS2436	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:54**	**140910D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	12.42	12.46	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2436	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKD4**
GWS2436	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	662.0	658.0	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2436	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904CO2D4**
GWS2436	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	390.7	416.2	6	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2242	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:18**	**140910L01**
099-12-663-2242	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:44**	**140910L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	97.05	95	96.70	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4976	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 18:47**	**140904L02**
099-12-906-4976	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/04/14 19:03**	**140904L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	5.000	4.876	98	4.867	97	90-110	0	0-15	
Sulfate	50.00	49.39	99	49.04	98	90-110	1	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4969	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 11:40**	**140905L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	50.00	49.56	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-451	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKB4**
099-15-859-451	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/04/14 19:26**	**E0904ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	98.00	98	97.00	97	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4895	**LCS**	**Aqueous**	**UV 9**	**09/04/14**	**09/04/14 20:18**	**E0904FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9900	99	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14472	**LCS**	**Aqueous**	**ICP 7300**	**09/09/14**	**09/11/14 11:53**	**140909LA3A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5260	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15077	**LCS**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 15:02**	**140905L019**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.43	101	80-120	73-127	
Carbon Tetrachloride	50.00	59.75	119	67-139	55-151	
Chlorobenzene	50.00	50.35	101	78-120	71-127	
1,2-Dibromoethane	50.00	51.55	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.93	100	63-129	52-140	
1,2-Dichloroethane	50.00	60.25	120	70-130	60-140	
1,1-Dichloroethene	50.00	55.68	111	66-126	56-136	
Ethylbenzene	50.00	49.96	100	80-123	73-130	
Toluene	50.00	52.02	104	80-120	73-127	
Trichloroethene	50.00	53.95	108	80-122	73-129	
Vinyl Chloride	50.00	56.19	112	70-130	60-140	
p/m-Xylene	100.0	102.8	103	75-123	67-131	
o-Xylene	50.00	52.07	104	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	54.02	108	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	257.1	103	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	52.43	105	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	54.06	108	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.46	103	67-133	56-144	
Ethanol	500.0	498.2	100	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0299
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15077	**LCS**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/05/14 15:02**	**140905L019**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.97	106	80-120	
Dibromofluoromethane	50.00	55.63	111	78-126	
1,2-Dichloroethane-d4	50.00	58.68	117	75-135	
Toluene-d8	50.00	50.69	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0299

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	921	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	849	GC/MS OO	2
RSK-175M	N/A	930	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0299 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

COC 1 of 1

14-09-0299

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo

Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

ERICH.WEAVER@URS.COM
LILY.BAYATI@URS.COM
STEVE.COLE@URS.COM
MARK.COLLAR@URS.COM

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GWS2432	9/4/14	1510	W	3	HCl	VOA	X											1
GWS2457	9/4/14	1428		3	HCl	VOA	X											2
GWS2489	9/4/14	1324		3	HCl	VOA	X											3
GWS2459	9/4/14	1054		3	HCl	VOA	X											4
GWS2436	9/4/14	0955		10	various	various	X		X	X	X	X	X	X				5
GWS2408	9/4/14	0846		3	HCl	VOA	X											6
FBS2023	9/4/14	0700		2	HCl	VOA	X											7
FBS2038	9/4/14	1545		3	HCl	VOA	X											8

SAMPLING COMPLETED DATE 9/4/14 TIME 1550

SAMPLING PERFORMED BY Jason Mahn

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	Nicole	~~9/8/14~~ 9/8/14	1630
Nicole	1645	[signature]	9/4/14	1645
[signature]	1823	Dannyle ECL	9/4/14	1823

SHIPPED VIA	TIME SENT	COOLER #

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WORK ORDER #: 14-09- 0 2 9 9

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/4/14

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

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☐VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB (2) ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 778

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 778

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0318

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0318

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Work Order Narrative

Work Order: 14-09-0318 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/04/14. They were assigned to Work Order 14-09-0318.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0318
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/04/14 18:23
		Number of Containers:	23
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2022	14-09-0318-1	09/04/14 07:40	2	Aqueous
GWS2458	14-09-0318-2	09/04/14 08:47	3	Aqueous
GWS2472	14-09-0318-3	09/04/14 09:57	3	Aqueous
GWS2446	14-09-0318-4	09/04/14 10:43	3	Aqueous
GWS2468	14-09-0318-5	09/04/14 12:41	3	Aqueous
GWS2443	14-09-0318-6	09/04/14 13:39	3	Aqueous
GWS2471	14-09-0318-7	09/04/14 14:51	3	Aqueous
FBS2037	14-09-0318-8	09/04/14 15:35	3	Aqueous

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QC Association Summary

Work Order: 14-09-0318

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2022	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2458	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2472	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2446	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2468	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2443	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
GWS2471	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054
FBS2037	EPA 8260B Volatile Organics		EPA 5030C	GC/MS OO	140905S038	140905L054

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0318
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/04/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2458 (14-09-0318-2)						
Chlorobenzene	0.87	J	0.17*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.71	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	0.37	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.61	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	0.77		0.50	ug/L	EPA 8260B	EPA 5030C
GWS2472 (14-09-0318-3)						
Toluene	0.91	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2446 (14-09-0318-4)						
Tetrachloroethene	0.39	J	0.39*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	0.77	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GWS2468 (14-09-0318-5)						
Toluene	0.84	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2471 (14-09-0318-7)						
Benzene	0.39	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	180		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	0.68	J	0.43*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.80	J	0.24*	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2022	**14-09-0318-1-A**	**09/04/14 07:40**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 06:56**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	123	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2458	**14-09-0318-2-A**	**09/04/14 08:47**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 07:23**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	0.87	1.0	0.17	1.00	J
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.71	1.0	0.28	1.00	J
1,2-Dichloroethane	0.37	0.50	0.24	1.00	J
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.61	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	0.77	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	122	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2472	**14-09-0318-3-A**	**09/04/14 09:57**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 05:07**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.91	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	121	75-135	
Toluene-d8	105	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2446	**14-09-0318-4-A**	**09/04/14 10:43**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 07:50**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	0.39	1.0	0.39	1.00	J
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.77	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	128	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2468	**14-09-0318-5-A**	**09/04/14 12:41**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 08:18**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.84	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2443	**14-09-0318-6-A**	**09/04/14 13:39**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 08:45**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	110	78-126	
1,2-Dichloroethane-d4	128	75-135	
Toluene-d8	104	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2471	**14-09-0318-7-A**	**09/04/14 14:51**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 09:12**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.39	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	180	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	0.68	1.0	0.43	1.00	J
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.80	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	111	78-126	
1,2-Dichloroethane-d4	127	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2037	**14-09-0318-8-A**	**09/04/14 15:35**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 09:39**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	80-120	
Dibromofluoromethane	109	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 21

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15099**	**N/A**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 04:40**	**140905L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 21

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 21

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	111	78-126	
1,2-Dichloroethane-d4	119	75-135	
Toluene-d8	104	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2472	**Sample**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 05:07**	**140905S038**
GWS2472	**Matrix Spike**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 05:35**	**140905S038**
GWS2472	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 06:02**	**140905S038**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	51.50	103	48.83	98	74-122	5	0-21	
Carbon Tetrachloride	ND	50.00	59.20	118	56.40	113	60-144	5	0-21	
Chlorobenzene	ND	50.00	49.94	100	49.39	99	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	51.35	103	50.24	100	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	48.42	97	47.88	96	70-120	1	0-26	
1,2-Dichloroethane	ND	50.00	64.74	129	61.31	123	64-142	5	0-20	
1,1-Dichloroethene	ND	50.00	55.42	111	52.27	105	52-136	6	0-21	
Ethylbenzene	ND	50.00	49.21	98	48.83	98	77-125	1	0-24	
Toluene	ND	50.00	53.10	106	50.51	101	72-126	5	0-23	
Trichloroethene	ND	50.00	53.31	107	51.46	103	74-128	4	0-22	
Vinyl Chloride	ND	50.00	53.74	107	52.22	104	67-133	3	0-20	
p/m-Xylene	ND	100.0	101.0	101	98.66	99	63-129	2	0-25	
o-Xylene	ND	50.00	52.13	104	51.50	103	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	55.53	111	53.95	108	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	256.8	103	243.7	97	65-143	5	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	53.26	107	51.99	104	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	54.20	108	52.53	105	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	53.02	106	51.23	102	67-133	3	0-20	
Ethanol	ND	500.0	422.9	85	391.8	78	34-178	8	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2472	**Sample**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 05:07**	**140905S038**
GWS2472	**Matrix Spike**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 05:35**	**140905S038**
GWS2472	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 06:02**	**140905S038**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	53.32	107	53.70	107	80-120	
Dibromofluoromethane	50.00	56.03	112	56.37	113	78-126	
1,2-Dichloroethane-d4	50.00	62.85	126	61.43	123	75-135	
Toluene-d8	50.00	51.98	104	51.14	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15099	**LCS**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 03:46**	**140905L054**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.68	101	80-120	73-127	
Carbon Tetrachloride	50.00	57.72	115	67-139	55-151	
Chlorobenzene	50.00	50.08	100	78-120	71-127	
1,2-Dibromoethane	50.00	51.55	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.28	99	63-129	52-140	
1,2-Dichloroethane	50.00	61.18	122	70-130	60-140	
1,1-Dichloroethene	50.00	54.34	109	66-126	56-136	
Ethylbenzene	50.00	49.61	99	80-123	73-130	
Toluene	50.00	52.10	104	80-120	73-127	
Trichloroethene	50.00	53.98	108	80-122	73-129	
Vinyl Chloride	50.00	55.29	111	70-130	60-140	
p/m-Xylene	100.0	102.1	102	75-123	67-131	
o-Xylene	50.00	51.89	104	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	52.36	105	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	245.1	98	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	51.31	103	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	51.99	104	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.27	103	67-133	56-144	
Ethanol	500.0	461.6	92	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/04/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0318
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15099	**LCS**	**Aqueous**	**GC/MS OO**	**09/05/14**	**09/06/14 03:46**	**140905L054**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.64	105	80-120	
Dibromofluoromethane	50.00	55.36	111	78-126	
1,2-Dichloroethane-d4	50.00	60.35	121	75-135	
Toluene-d8	50.00	52.46	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0318

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	849	GC/MS OO	2

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Glossary of Terms and Qualifiers

Work Order: 14-09-0318

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB

COC 1 of 1

14-09-0318

CHAIN OF CUSTODY

CLIENT: URS

SITE: Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

ERICH.WEAVER@URS.COM
LILY.BAYATI@URS.COM
STEVE.COLE@URS.COM
MARK.COLLAR@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	#	CONTAINERS Preservation	CONTAINERS Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2022	9-4-14	0740	AQ	2	HCl	VOA	X											1
GWS2458	↓	0847	AQ	3	↓	↓	X											2
GWS2472	↓	~~0956~~ 0957 NK	AQ	3	↓	↓	X											3
GWS2446	↓	1043	AQ	3	↓	↓	X											4
GWS2468	↓	1241	AQ	3	↓	↓	X											5
GWS2443	↓	1339	AQ	3	↓	↓	X											6
GWS2471	↓	1451	AQ	3	↓	↓	X											7
FBS 2037	9/4/14	1535	AQ	3	↓	↓	X											8

SAMPLING COMPLETED: DATE 9/4/14 TIME 1545

SAMPLING PERFORMED BY: Nicholas King

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	Nicole	~~9/8/14~~ 9/4/14	1630
Nicole	1645	Aly Mezz	9/4/14	1645
Aly Mezz	1823	Dannyle ECI	9/4/14	18:23

SHIPPED VIA

TIME SENT

COOLER #

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WORK ORDER #: 14-09-0318

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/4/14

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

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: AW

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140523 **Labeled/Checked by:** AW

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 776

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 776

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0438

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0438

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Work Order Narrative

Work Order: 14-09-0438 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/05/14. They were assigned to Work Order 14-09-0438.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0438
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/05/14 18:00
		Number of Containers:	37
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2025	14-09-0438-1	09/05/14 07:55	2	Aqueous
GWS2479	14-09-0438-2	09/05/14 08:43	3	Aqueous
GWS2467	14-09-0438-3	09/05/14 09:42	3	Aqueous
GWS2470	14-09-0438-4	09/05/14 10:57	10	Aqueous
GWS2473	14-09-0438-5	09/05/14 13:34	3	Aqueous
GWS2501	14-09-0438-6	09/05/14 13:39	3	Aqueous
GWS2428	14-09-0438-7	09/05/14 14:34	3	Aqueous
FBS2040	14-09-0438-8	09/05/14 15:00	10	Aqueous

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QC Association Summary

Work Order: 14-09-0438

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2025	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2479	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2467	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2470	EPA 300.0 Anions		N/A	IC 7	140905S02	140905L02
GWS2470	EPA 300.0 Anions	R	N/A	IC 7	*1	140906L01
GWS2470	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140908SA7	140908LA7
GWS2470	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2470	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2470	SM 2320B Alkalinity		N/A	PH1/BUR03	E0905ALKD2	E0905ALKB2
GWS2470	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0905FES1	E0905FEL1
GWS2470	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0905CO2D2	
GWS2473	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2501	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2428	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
FBS2040	EPA 300.0 Anions		N/A	IC 7	140905S02	140905L02
FBS2040	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140908SA7	140908LA7
FBS2040	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
FBS2040	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
FBS2040	SM 2320B Alkalinity		N/A	PH1/BUR03	E0905ALKD2	E0905ALKB2
FBS2040	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0905FES1	E0905FEL1
FBS2040	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0905CO2D2	

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1 = Dilution analysis performed, no associated matrix QC

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0438
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/05/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2479 (14-09-0438-2)						
Toluene	0.53	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2467 (14-09-0438-3)						
Benzene	0.35	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Dichlorodifluoromethane	3.5		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.58	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2470 (14-09-0438-4)						
Sulfate	360	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	300		5.0	mg/L	EPA 300.0	N/A
Manganese	0.584		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Styrene	0.25	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.82	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Methane	3.21		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	428		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.581		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	160		5.0	mg/L	SM4500-CO2D	N/A
GWS2473 (14-09-0438-5)						
Dichlorodifluoromethane	0.94	J	0.46*	ug/L	EPA 8260B	EPA 5030C
GWS2501 (14-09-0438-6)						
Dichlorodifluoromethane	1.0	J	0.46*	ug/L	EPA 8260B	EPA 5030C
FBS2040 (14-09-0438-8)						
Methane	0.0500	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	58.0		1.00	mg/L	SM 2320B	N/A
Carbon Dioxide	15		1.0	mg/L	SM4500-CO2D	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-D**	**09/05/14 10:57**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 20:51**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	3.21	1.00	0.0400	1.00	

FBS2040	**14-09-0438-8-A**	**09/05/14 15:00**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 21:14**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0500	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2242**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:08**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-J**	**09/05/14 10:57**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 22:04**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	360	1.0	0.19	1.00	E

GWS2470	**14-09-0438-4-J**	**09/05/14 10:57**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 12:15**	**140906L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	300	5.0	0.94	5.00	

FBS2040	**14-09-0438-8-J**	**09/05/14 15:00**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 20:47**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4977**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 20:01**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4979**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 08:20**	**140906L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-I**	**09/05/14 10:57**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	428	5.00	0.848	1.00	

FBS2040	**14-09-0438-8-I**	**09/05/14 15:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	58.0	1.00	0.848	1.00	

Method Blank	**099-15-859-452**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-H**	**09/05/14 10:57**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.581	0.100	0.0413	1.00	

FBS2040	**14-09-0438-8-H**	**09/05/14 15:00**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4896**	**N/A**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-I**	**09/05/14 10:57**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	160	5.0	0.59	1.00	

FBS2040	**14-09-0438-8-I**	**09/05/14 15:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	15	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-G**	**09/05/14 10:57**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 23:34**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.584	0.00500	0.00270	1.00	

FBS2040	**14-09-0438-8-G**	**09/05/14 15:00**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 23:36**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14468**	**N/A**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/12/14 12:37**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2025	**14-09-0438-1-B**	**09/05/14 07:55**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 19:20**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2479	**14-09-0438-2-B**	**09/05/14 08:43**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 19:46**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.53	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2467	**14-09-0438-3-B**	**09/05/14 09:42**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 20:13**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.35	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	3.5	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.1	1.0	0.39	1.00	
Toluene	0.58	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2470	**14-09-0438-4-B**	**09/05/14 10:57**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 20:39**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	0.25	1.0	0.17	1.00	J
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.82	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 20

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2473	**14-09-0438-5-B**	**09/05/14 13:34**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 21:06**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	0.94	1.0	0.46	1.00	J
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2501	**14-09-0438-6-B**	**09/05/14 13:39**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 21:32**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	1.0	1.0	0.46	1.00	J
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2428	**14-09-0438-7-B**	**09/05/14 14:34**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 21:59**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2040	**14-09-0438-8-B**	**09/05/14 15:00**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 22:25**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15100**	**N/A**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 14:22**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 20

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	96	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0432-1	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 13:47**	**140905S02**
14-09-0432-1	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 23:21**	**140905S02**
14-09-0432-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 23:37**	**140905S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	9.990	500.0	523.9	103	522.6	103	80-120	0	0-20	
Sulfate	262.1	5000	5349	102	5342	102	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0432-1	**Sample**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**
14-09-0432-1	**Matrix Spike**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**
14-09-0432-1	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9900	99	1.020	102	70-130	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0439-4	**Sample**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:21**	**140908SA7**
14-09-0439-4	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:22**	**140908SA7**
14-09-0439-4	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:24**	**140908SA7**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	3.329	0.5000	3.858	4X	3.908	4X	86-116	4X	0-7	Q

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0436-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 15:20**	**140909S020**
14-09-0436-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:13**	**140909S020**
14-09-0436-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:39**	**140909S020**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	49.61	99	49.68	99	74-122	0	0-21	
Carbon Tetrachloride	17.97	50.00	68.77	102	68.70	101	60-144	0	0-21	
Chlorobenzene	ND	50.00	50.47	101	50.61	101	73-120	0	0-22	
1,2-Dibromoethane	ND	50.00	49.21	98	49.31	99	80-122	0	0-20	
1,2-Dichlorobenzene	ND	50.00	49.83	100	50.05	100	70-120	0	0-26	
1,2-Dichloroethane	ND	50.00	50.40	101	51.14	102	64-142	1	0-20	
1,1-Dichloroethene	25.80	50.00	69.37	87	63.95	76	52-136	8	0-21	
Ethylbenzene	ND	50.00	49.67	99	50.02	100	77-125	1	0-24	
Toluene	ND	50.00	50.69	101	50.43	101	72-126	1	0-23	
Trichloroethene	31.24	50.00	75.80	89	75.24	88	74-128	1	0-22	
Vinyl Chloride	ND	50.00	50.56	101	49.76	100	67-133	2	0-20	
p/m-Xylene	ND	100.0	102.4	102	103.5	104	63-129	1	0-25	
o-Xylene	ND	50.00	52.31	105	52.27	105	62-128	0	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.35	101	50.00	100	68-134	1	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	262.3	105	262.3	105	65-143	0	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	50.28	101	50.12	100	61-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.26	101	50.32	101	64-136	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	51.31	103	51.27	103	67-133	0	0-20	
Ethanol	ND	500.0	475.7	95	472.4	94	34-178	1	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0436-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 15:20**	**140909S020**
14-09-0436-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:13**	**140909S020**
14-09-0436-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:39**	**140909S020**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.29	101	50.47	101	80-120	
Dibromofluoromethane	50.00	49.85	100	48.86	98	78-126	
1,2-Dichloroethane-d4	50.00	50.19	100	49.05	98	75-135	
Toluene-d8	50.00	51.10	102	50.82	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0299-5	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910D01**
14-09-0299-5	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:54**	**140910D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	12.42	12.46	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2470	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKD2**
GWS2470	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	428.0	430.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2470	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**
GWS2470	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	159.4	167.7	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2242	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:18**	**140910L01**
099-12-663-2242	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:44**	**140910L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	97.05	95	96.70	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4977	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 20:17**	**140905L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.899	98	90-110	
Sulfate	50.00	49.62	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4979	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 08:36**	**140906L01**
099-12-906-4979	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 09:24**	**140906L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	50.00	49.58	99	49.89	100	90-110	1	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-452	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**
099-15-859-452	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	96.00	96	96.00	96	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4896	**LCS**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9600	96	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14468	**LCS**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/12/14 12:39**	**140908LA7**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5247	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15100	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 13:20**	**140909L028**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.16	98	80-120	73-127	
Carbon Tetrachloride	50.00	52.00	104	67-139	55-151	
Chlorobenzene	50.00	50.54	101	78-120	71-127	
1,2-Dibromoethane	50.00	48.90	98	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.36	99	63-129	52-140	
1,2-Dichloroethane	50.00	50.01	100	70-130	60-140	
1,1-Dichloroethene	50.00	50.85	102	66-126	56-136	
Ethylbenzene	50.00	50.16	100	80-123	73-130	
Toluene	50.00	49.71	99	80-120	73-127	
Trichloroethene	50.00	47.35	95	80-122	73-129	
Vinyl Chloride	50.00	50.33	101	70-130	60-140	
p/m-Xylene	100.0	104.1	104	75-123	67-131	
o-Xylene	50.00	52.55	105	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.38	101	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	244.4	98	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	50.49	101	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	51.07	102	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.35	103	67-133	56-144	
Ethanol	500.0	444.9	89	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0438
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15100	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 13:20**	**140909L028**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.49	103	80-120	
Dibromofluoromethane	50.00	49.61	99	78-126	
1,2-Dichloroethane-d4	50.00	50.62	101	75-135	
Toluene-d8	50.00	49.93	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0438

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	689	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0438 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB **14-09-0438** COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATT@URS.COM
ERICA.WEAVER@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2025	9/5/14	0755	AQ	2	HCl	VOA	X											1
GWS2479		0843		3			X											2
GWS2467		0942		3			X											3
GWS2470		1057		10	Various	Various	X		X	X	X	X	X	X				4
GWS2473		1334		3	HCl	VOA	X											5
GWS2501		1339		3			X											6
GWS2428		1434		3			X											7
FBS2040		1500		10	Various	Various	X		X	X	X	X	X	X				8

SAMPLING COMPLETED DATE 9/5/14 TIME 1515

SAMPLING PERFORMED BY Nicholas King

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Nicholas King	1600	Nicole	9/8/14	1600
Nicole	1645	[illegible] EES	9/5/14	1645
[illegible]	1800	[illegible] EES	9/5/14	1800

SHIPPED VIA

TIME SENT

COOLER #

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WORK ORDER #: 14-09-0438

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/5/14

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

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: SMG

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☑(2)250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☑250PB ☑250PBn (-8) ☑125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☑250PBg (-4) ☐_____ ☐_____

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

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 776

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: 776

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0439

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0439

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/05/14. They were assigned to Work Order 14-09-0439.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0439
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/05/14 16:45
		Number of Containers:	47
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2024	14-09-0439-1	09/05/14 07:00	2	Aqueous
GWS2484	14-09-0439-2	09/05/14 08:32	6	Aqueous
GWS2488	14-09-0439-3	09/05/14 11:20	3	Aqueous
GWS2414	14-09-0439-4	09/05/14 13:29	10	Aqueous
FBS2045	14-09-0439-5	09/05/14 14:15	10	Aqueous
FBS2039	14-09-0439-6	09/05/14 14:05	3	Aqueous
GWS2482	14-09-0439-7	09/05/14 09:30	3	Aqueous
GWS2452	14-09-0439-8	09/05/14 10:12	10	Aqueous

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QC Association Summary

Work Order: 14-09-0439

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2024	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2484	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140908S013	140908L013
GWS2484	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS Q	140908S013	140908L013
GWS2488	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2414	EPA 300.0 Anions		N/A	IC 7	140905S02	140905L02
GWS2414	EPA 300.0 Anions	R	N/A	IC 7	*1	140906L01
GWS2414	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140908SA7	140908LA7
GWS2414	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2414	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS Q	140909S020	140909L028
GWS2414	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2414	SM 2320B Alkalinity		N/A	PH1/BUR03	E0905ALKD2	E0905ALKB2
GWS2414	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0905FES1	E0905FEL1
GWS2414	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0905CO2D2	
FBS2045	EPA 300.0 Anions		N/A	IC 7	140905S02	140905L02
FBS2045	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140908SA7	140908LA7
FBS2045	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140908S013	140908L013
FBS2045	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
FBS2045	SM 2320B Alkalinity		N/A	PH1/BUR03	E0905ALKD3	E0905ALKB3
FBS2045	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0905FES1	E0905FEL1
FBS2045	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0905CO2D3	
FBS2039	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140908S013	140908L013
GWS2482	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140908S013	140908L013
GWS2452	EPA 300.0 Anions		N/A	IC 7	140905S02	140905L02
GWS2452	EPA 300.0 Anions	R	N/A	IC 7	*1	140906L01
GWS2452	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140908SA7	140908LA7
GWS2452	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140908S013	140908L013
GWS2452	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2452	SM 2320B Alkalinity		N/A	PH1/BUR03	E0905ALKD2	E0905ALKB2
GWS2452	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0905FES1	E0905FEL1
GWS2452	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0905CO2D2	

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1 = Dilution analysis performed, no associated matrix QC

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0439
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/05/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2484 (14-09-0439-2)						
Benzene	2.2		0.50	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	390	E	1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	440		5.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	1.8		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.97	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	1.4		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	2.7		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	16		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.49	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	97		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2488 (14-09-0439-3)						
Toluene	0.98	J	0.24*	ug/L	EPA 8260B	EPA 5030C
GWS2414 (14-09-0439-4)						
Sulfate	160	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	150		2.0	mg/L	EPA 300.0	N/A
Manganese	3.33		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Acetone	78		50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	3.2		2.5	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	2700	E	25	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	2800		50	ug/L	EPA 8260B	EPA 5030C
Methane	9.44		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	580		5.00	mg/L	SM 2320B	N/A
Iron (II)	5.01		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	450		5.0	mg/L	SM4500-CO2D	N/A
FBS2045 (14-09-0439-5)						
Manganese	0.00287	J	0.00270*	mg/L	EPA 6010B	EPA 3010A Total
Methane	0.0730	J	0.0400*	ug/L	RSK-175M	N/A
GWS2482 (14-09-0439-7)						
Chlorobenzene	21		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	0.55	J	0.43*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	5.9		0.50	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	0.73	J	0.43*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	0.85	J	0.48*	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	3.5		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.38	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	21		1.0	ug/L	EPA 8260B	EPA 5030C

* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0439
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/05/14
Attn:	David Myers		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2452 (14-09-0439-8)						
Sulfate	100	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	95		2.0	mg/L	EPA 300.0	N/A
Manganese	2.05		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	0.91		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	44		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.14	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.63	J	0.58*	ug/L	EPA 8260B	EPA 5030C
Methane	0.238	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	656		5.00	mg/L	SM 2320B	N/A
Iron (II)	7.15		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	360		5.0	mg/L	SM4500-CO2D	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-D**	**09/05/14 13:29**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 20:27**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	9.44	1.00	0.0400	1.00	

FBS2045	**14-09-0439-5-D**	**09/05/14 14:15**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 19:41**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0730	1.00	0.0400	1.00	J

GWS2452	**14-09-0439-8-D**	**09/05/14 10:12**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 20:04**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.238	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2242**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:08**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-F**	**09/05/14 13:29**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 22:20**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	160	1.0	0.19	1.00	E

GWS2414	**14-09-0439-4-F**	**09/05/14 13:29**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 14:33**	**140906L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	150	2.0	0.38	2.00	

FBS2045	**14-09-0439-5-F**	**09/05/14 14:15**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 21:03**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

GWS2452	**14-09-0439-8-F**	**09/05/14 10:12**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 22:35**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	100	1.0	0.19	1.00	E

GWS2452	**14-09-0439-8-F**	**09/05/14 10:12**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 14:49**	**140906L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	95	2.0	0.38	2.00	

Method Blank	**099-12-906-4977**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 20:01**	**140905L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-4979**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 08:20**	**140906L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-H**	**09/05/14 13:29**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	580	5.00	0.848	1.00	

GWS2452	**14-09-0439-8-H**	**09/05/14 10:12**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	656	5.00	0.848	1.00	

Method Blank	**099-15-859-452**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2045	**14-09-0439-5-H**	**09/05/14 14:15**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

Method Blank	**099-15-981-48**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-G**	**09/05/14 13:29**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	5.01	0.100	0.0413	1.00	

FBS2045	**14-09-0439-5-G**	**09/05/14 14:15**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

GWS2452	**14-09-0439-8-G**	**09/05/14 10:12**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	7.15	0.100	0.0413	1.00	

Method Blank	**099-05-111-4896**	**N/A**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-H**	**09/05/14 13:29**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	450	5.0	0.59	1.00	

FBS2045	**14-09-0439-5-H**	**09/05/14 14:15**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	ND	1.0	0.59	1.00	

GWS2452	**14-09-0439-8-H**	**09/05/14 10:12**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	360	5.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-J**	**09/05/14 13:29**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:21**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	3.33	0.00500	0.00270	1.00	

FBS2045	**14-09-0439-5-J**	**09/05/14 14:15**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 22:20**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.00287	0.00500	0.00270	1.00	J

GWS2452	**14-09-0439-8-J**	**09/05/14 10:12**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 22:26**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	2.05	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14468**	**N/A**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/12/14 12:37**	**140908LA7**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2024	**14-09-0439-1-B**	**09/05/14 07:00**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 17:59**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2484	**14-09-0439-2-A**	**09/05/14 08:32**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 15:48**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.2	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	390	1.0	0.17	1.00	E
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	1.8	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.97	1.0	0.28	1.00	J
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	1.4	1.0	0.43	1.00	
c-1,2-Dichloroethene	2.7	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	16	1.0	0.39	1.00	
Toluene	0.49	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	97	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2484	**14-09-0439-2-A**	**09/05/14 08:32**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 17:08**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chlorobenzene	440	5.0	0.86	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2488	**14-09-0439-3-B**	**09/05/14 11:20**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 18:26**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.98	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-B**	**09/05/14 13:29**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 18:53**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	78	50	25	2.50	
Benzene	ND	1.2	0.35	2.50	
Bromobenzene	ND	2.5	0.76	2.50	
Bromochloromethane	ND	2.5	1.2	2.50	
Bromodichloromethane	ND	2.5	0.52	2.50	
Bromoform	ND	2.5	1.3	2.50	
Bromomethane	ND	25	9.7	2.50	
2-Butanone	ND	25	5.5	2.50	
n-Butylbenzene	ND	2.5	0.57	2.50	
sec-Butylbenzene	ND	2.5	0.61	2.50	
tert-Butylbenzene	ND	2.5	0.69	2.50	
Carbon Disulfide	ND	25	1.0	2.50	
Carbon Tetrachloride	ND	1.2	0.56	2.50	
Chlorobenzene	ND	2.5	0.43	2.50	
Chloroethane	ND	12	5.7	2.50	
Chloroform	ND	2.5	1.2	2.50	
Chloromethane	ND	25	4.4	2.50	
2-Chlorotoluene	ND	2.5	0.60	2.50	
4-Chlorotoluene	ND	2.5	0.33	2.50	
Dibromochloromethane	ND	2.5	0.62	2.50	
1,2-Dibromo-3-Chloropropane	ND	12	3.1	2.50	
1,2-Dibromoethane	ND	2.5	0.90	2.50	
Dibromomethane	ND	2.5	1.2	2.50	
1,2-Dichlorobenzene	ND	2.5	1.1	2.50	
1,3-Dichlorobenzene	ND	2.5	1.0	2.50	
1,4-Dichlorobenzene	ND	2.5	1.1	2.50	
Dichlorodifluoromethane	ND	2.5	1.1	2.50	
1,1-Dichloroethane	ND	2.5	0.70	2.50	
1,2-Dichloroethane	ND	1.2	0.60	2.50	
1,1-Dichloroethene	ND	2.5	1.1	2.50	
c-1,2-Dichloroethene	ND	2.5	1.2	2.50	
t-1,2-Dichloroethene	ND	2.5	0.92	2.50	
1,2-Dichloropropane	ND	2.5	1.1	2.50	
1,3-Dichloropropane	ND	2.5	0.76	2.50	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2.5	0.91	2.50	
1,1-Dichloropropene	ND	2.5	1.2	2.50	
c-1,3-Dichloropropene	ND	1.2	0.61	2.50	
t-1,3-Dichloropropene	ND	1.2	0.64	2.50	
Ethylbenzene	ND	2.5	0.35	2.50	
2-Hexanone	ND	25	5.2	2.50	
Isopropylbenzene	ND	2.5	1.5	2.50	
p-Isopropyltoluene	ND	2.5	0.39	2.50	
Methylene Chloride	ND	25	1.6	2.50	
4-Methyl-2-Pentanone	ND	25	11	2.50	
Naphthalene	ND	25	6.2	2.50	
n-Propylbenzene	ND	2.5	0.43	2.50	
Styrene	ND	2.5	0.43	2.50	
1,1,1,2-Tetrachloroethane	ND	2.5	1.0	2.50	
1,1,2,2-Tetrachloroethane	ND	2.5	1.0	2.50	
Tetrachloroethene	ND	2.5	0.97	2.50	
Toluene	ND	2.5	0.59	2.50	
1,2,3-Trichlorobenzene	ND	2.5	1.3	2.50	
1,2,4-Trichlorobenzene	ND	2.5	1.2	2.50	
1,1,1-Trichloroethane	ND	2.5	0.76	2.50	
1,1,2-Trichloroethane	ND	2.5	0.96	2.50	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25	2.0	2.50	
Trichloroethene	ND	2.5	0.92	2.50	
1,2,3-Trichloropropane	ND	12	1.6	2.50	
1,2,4-Trimethylbenzene	ND	2.5	0.90	2.50	
Trichlorofluoromethane	ND	25	4.1	2.50	
1,3,5-Trimethylbenzene	ND	2.5	0.71	2.50	
Vinyl Acetate	ND	25	7.0	2.50	
Vinyl Chloride	ND	1.2	0.75	2.50	
p/m-Xylene	ND	2.5	0.75	2.50	
o-Xylene	ND	2.5	0.57	2.50	
Methyl-t-Butyl Ether (MTBE)	3.2	2.5	0.77	2.50	
Tert-Butyl Alcohol (TBA)	2700	25	11	2.50	E
Diisopropyl Ether (DIPE)	ND	5.0	0.83	2.50	
Ethyl-t-Butyl Ether (ETBE)	ND	5.0	1.1	2.50	
Tert-Amyl-Methyl Ether (TAME)	ND	5.0	0.55	2.50	
Ethanol	ND	250	120	2.50	
Cyclohexane	ND	25	8.6	2.50	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 23

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2414	**14-09-0439-4-B**	**09/05/14 13:29**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 22:51**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tert-Butyl Alcohol (TBA)	2800	50	23	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2045	**14-09-0439-5-A**	**09/05/14 14:15**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 18:54**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2039	**14-09-0439-6-A**	**09/05/14 14:05**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 19:21**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2482	**14-09-0439-7-A**	**09/05/14 09:30**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 19:47**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	21	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	0.55	1.0	0.43	1.00	J
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	5.9	0.50	0.24	1.00	
1,1-Dichloroethene	0.73	1.0	0.43	1.00	J
c-1,2-Dichloroethene	0.85	1.0	0.48	1.00	J
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	3.5	1.0	0.39	1.00	
Toluene	0.38	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	21	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2452	**14-09-0439-8-A**	**09/05/14 10:12**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 20:13**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.91	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	44	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.14	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	0.63	1.0	0.58	1.00	J
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15086**	**N/A**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 14:29**	**140908L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	95	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 23

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15100**	**N/A**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 14:22**	**140909L028**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 23

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 23

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	96	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0432-1	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 13:47**	**140905S02**
14-09-0432-1	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 23:21**	**140905S02**
14-09-0432-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 23:37**	**140905S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	9.990	500.0	523.9	103	522.6	103	80-120	0	0-20	
Sulfate	262.1	5000	5349	102	5342	102	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0432-1	**Sample**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**
14-09-0432-1	**Matrix Spike**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**
14-09-0432-1	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9900	99	1.020	102	70-130	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2414	**Sample**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:21**	**140908SA7**
GWS2414	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:22**	**140908SA7**
GWS2414	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/11/14 20:24**	**140908SA7**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	3.329	0.5000	3.858	4X	3.908	4X	86-116	4X	0-7	Q

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2484	**Sample**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 15:48**	**140908S013**
GWS2484	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 16:15**	**140908S013**
GWS2484	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 16:42**	**140908S013**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	2.154	50.00	50.67	97	49.84	95	74-122	2	0-21	
Carbon Tetrachloride	ND	50.00	50.38	101	51.38	103	60-144	2	0-21	
Chlorobenzene	444.0	50.00	385.8	0	375.8	0	73-120	3	0-22	3
1,2-Dibromoethane	ND	50.00	47.61	95	47.40	95	80-122	0	0-20	
1,2-Dichlorobenzene	ND	50.00	47.64	95	48.24	96	70-120	1	0-26	
1,2-Dichloroethane	ND	50.00	49.91	100	49.19	98	64-142	1	0-20	
1,1-Dichloroethene	1.402	50.00	49.29	96	49.90	97	52-136	1	0-21	
Ethylbenzene	ND	50.00	47.97	96	47.94	96	77-125	0	0-24	
Toluene	ND	50.00	49.39	99	48.46	97	72-126	2	0-23	
Trichloroethene	97.04	50.00	126.9	60	122.7	51	74-128	3	0-22	3
Vinyl Chloride	ND	50.00	47.73	95	48.52	97	67-133	2	0-20	
p/m-Xylene	ND	100.0	98.70	99	97.85	98	63-129	1	0-25	
o-Xylene	ND	50.00	50.30	101	49.47	99	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.68	99	48.78	98	68-134	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	235.2	94	249.9	100	65-143	6	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	51.60	103	51.08	102	61-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.95	102	50.55	101	64-136	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	51.11	102	49.74	99	67-133	3	0-20	
Ethanol	ND	500.0	416.0	83	422.8	85	34-178	2	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2484	**Sample**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 15:48**	**140908S013**
GWS2484	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 16:15**	**140908S013**
GWS2484	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 16:42**	**140908S013**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.76	100	49.33	99	80-120	
Dibromofluoromethane	50.00	48.57	97	50.72	101	78-126	
1,2-Dichloroethane-d4	50.00	51.37	103	51.50	103	75-135	
Toluene-d8	50.00	50.49	101	49.32	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0436-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 15:20**	**140909S020**
14-09-0436-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:13**	**140909S020**
14-09-0436-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:39**	**140909S020**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	49.61	99	49.68	99	74-122	0	0-21	
Carbon Tetrachloride	17.97	50.00	68.77	102	68.70	101	60-144	0	0-21	
Chlorobenzene	ND	50.00	50.47	101	50.61	101	73-120	0	0-22	
1,2-Dibromoethane	ND	50.00	49.21	98	49.31	99	80-122	0	0-20	
1,2-Dichlorobenzene	ND	50.00	49.83	100	50.05	100	70-120	0	0-26	
1,2-Dichloroethane	ND	50.00	50.40	101	51.14	102	64-142	1	0-20	
1,1-Dichloroethene	25.80	50.00	69.37	87	63.95	76	52-136	8	0-21	
Ethylbenzene	ND	50.00	49.67	99	50.02	100	77-125	1	0-24	
Toluene	ND	50.00	50.69	101	50.43	101	72-126	1	0-23	
Trichloroethene	31.24	50.00	75.80	89	75.24	88	74-128	1	0-22	
Vinyl Chloride	ND	50.00	50.56	101	49.76	100	67-133	2	0-20	
p/m-Xylene	ND	100.0	102.4	102	103.5	104	63-129	1	0-25	
o-Xylene	ND	50.00	52.31	105	52.27	105	62-128	0	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.35	101	50.00	100	68-134	1	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	262.3	105	262.3	105	65-143	0	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	50.28	101	50.12	100	61-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.26	101	50.32	101	64-136	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	51.31	103	51.27	103	67-133	0	0-20	
Ethanol	ND	500.0	475.7	95	472.4	94	34-178	1	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0436-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 15:20**	**140909S020**
14-09-0436-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:13**	**140909S020**
14-09-0436-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 16:39**	**140909S020**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.29	101	50.47	101	80-120	
Dibromofluoromethane	50.00	49.85	100	48.86	98	78-126	
1,2-Dichloroethane-d4	50.00	50.19	100	49.05	98	75-135	
Toluene-d8	50.00	51.10	102	50.82	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0299-5	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910D01**
14-09-0299-5	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:54**	**140910D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	12.42	12.46	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0438-4	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKD2**
14-09-0438-4	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	428.0	430.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2045	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKD3**
FBS2045	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0438-4	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**
14-09-0438-4	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905CO2D2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	159.4	167.7	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2045	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905CO2D3**
FBS2045	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905CO2D3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2242	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:18**	**140910L01**
099-12-663-2242	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:44**	**140910L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	97.05	95	96.70	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4977	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/05/14 20:17**	**140905L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.899	98	90-110	
Sulfate	50.00	49.62	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4979	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 08:36**	**140906L01**
099-12-906-4979	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/06/14 09:24**	**140906L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	50.00	49.58	99	49.89	100	90-110	1	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-452	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**
099-15-859-452	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:00**	**E0905ALKB2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	96.00	96	96.00	96	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-48	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKB3**
099-15-981-48	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/05/14 20:41**	**E0905ALKB3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4896	**LCS**	**Aqueous**	**UV 9**	**09/05/14**	**09/05/14 21:01**	**E0905FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9600	96	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14468	**LCS**	**Aqueous**	**ICP 7300**	**09/08/14**	**09/12/14 12:39**	**140908LA7**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5247	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15086	**LCS**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 13:30**	**140908L013**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.37	95	80-120	73-127	
Carbon Tetrachloride	50.00	52.32	105	67-139	55-151	
Chlorobenzene	50.00	48.65	97	78-120	71-127	
1,2-Dibromoethane	50.00	46.35	93	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.02	94	63-129	52-140	
1,2-Dichloroethane	50.00	47.93	96	70-130	60-140	
1,1-Dichloroethene	50.00	49.60	99	66-126	56-136	
Ethylbenzene	50.00	47.60	95	80-123	73-130	
Toluene	50.00	48.21	96	80-120	73-127	
Trichloroethene	50.00	46.31	93	80-122	73-129	
Vinyl Chloride	50.00	48.48	97	70-130	60-140	
p/m-Xylene	100.0	98.59	99	75-123	67-131	
o-Xylene	50.00	50.66	101	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	48.76	98	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	244.9	98	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	49.23	98	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	49.45	99	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.07	98	67-133	56-144	
Ethanol	500.0	418.9	84	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15086	**LCS**	**Aqueous**	**GC/MS Q**	**09/08/14**	**09/08/14 13:30**	**140908L013**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.22	102	80-120	
Dibromofluoromethane	50.00	50.01	100	78-126	
1,2-Dichloroethane-d4	50.00	50.44	101	75-135	
Toluene-d8	50.00	50.05	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15100	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 13:20**	**140909L028**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.16	98	80-120	73-127	
Carbon Tetrachloride	50.00	52.00	104	67-139	55-151	
Chlorobenzene	50.00	50.54	101	78-120	71-127	
1,2-Dibromoethane	50.00	48.90	98	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.36	99	63-129	52-140	
1,2-Dichloroethane	50.00	50.01	100	70-130	60-140	
1,1-Dichloroethene	50.00	50.85	102	66-126	56-136	
Ethylbenzene	50.00	50.16	100	80-123	73-130	
Toluene	50.00	49.71	99	80-120	73-127	
Trichloroethene	50.00	47.35	95	80-122	73-129	
Vinyl Chloride	50.00	50.33	101	70-130	60-140	
p/m-Xylene	100.0	104.1	104	75-123	67-131	
o-Xylene	50.00	52.55	105	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.38	101	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	244.4	98	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	50.49	101	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	51.07	102	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.35	103	67-133	56-144	
Ethanol	500.0	444.9	89	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/05/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0439
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15100	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/09/14 13:20**	**140909L028**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.49	103	80-120	
Dibromofluoromethane	50.00	49.61	99	78-126	
1,2-Dichloroethane-d4	50.00	50.62	101	75-135	
Toluene-d8	50.00	49.93	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0439

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 7	1
EPA 300.0	N/A	921	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	689	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0439

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB **14-09-0439** COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM
ERICH.WEAVER@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX (AQ= Water)	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2024	9/5/14	0700	W	2	HCl	VOA	X											1
GWS2484	9/5/14	0832	W	6	HCl	VOA	X								MS/MSD			2
~~GWS2483~~	~~9/5/14~~	~~[illegible]~~	~~W~~	~~10~~	~~various~~	~~various~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~3~~
GWS2488	9/5/14	1120	W	3	HCl	VOA	X											3
GWS2414	9/5/14	1329	W	10	various	various	X		X	X	X	X	X	X				4
FBS2045	9/5/14	1415	W	10	various	various	X		X	X	X	X	X	X				5
FBS2039	9/5/14	1405	W	3	HCl	VOA	X											6
GWS2482	9/5/14	0930	W	3	HCl	VOA	X											7
GWS2452	9/5/14	1012	W	10	HCl	VOA	X		X	X	X	X	X	X				8

SAMPLING COMPLETED DATE 9/5/14 TIME 1430
SAMPLING PERFORMED BY Jason Mahn
RESULTS NEEDED NO LATER THAN standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1600	Nicole	9/5/14	1600
Nicole	1645	[signature]	9/5/14	1645
[signature]	1800			

SHIPPED VIA | TIME SENT | COOLER #

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WORK ORDER #: 14-09-0439

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/5/14

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

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB (2) ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 836

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 778

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 778

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0538

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0538

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Work Order Narrative

Work Order: 14-09-0538 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/08/14. They were assigned to Work Order 14-09-0538.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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CASE NARRATIVE

Eurofins Calscience Work Order 14-09-0538

EPA 6010B Metals:

For batch 140910LA4 / 140910SA4, 0.35 mL of spike solution was added to the MS/MSD instead of 0.25 mL. The spike added amount in the MS/MSD has been adjusted accordingly. The associated LCS recovery for this batch was in control.

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0538
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/08/14 18:00
		Number of Containers:	40
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2027	14-09-0538-1	09/08/14 07:30	2	Aqueous
GWS2409	14-09-0538-2	09/08/14 08:05	3	Aqueous
GWS2410	14-09-0538-3	09/08/14 09:07	3	Aqueous
GWS2421	14-09-0538-4	09/08/14 09:49	3	Aqueous
GWS2422	14-09-0538-5	09/08/14 10:59	3	Aqueous
GWS2438	14-09-0538-6	09/08/14 13:32	10	Aqueous
GWS2430	14-09-0538-7	09/08/14 14:39	3	Aqueous
FBS2046	14-09-0538-8	09/08/14 15:35	3	Aqueous
FBS2041	14-09-0538-9	09/08/14 15:40	10	Aqueous

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QC Association Summary

Work Order: 14-09-0538

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2027	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2409	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2410	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2421	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2422	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2438	EPA 300.0 Anions		N/A	IC 15	140909S01A	140909L01A
GWS2438	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA4	140910LA4
GWS2438	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2438	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2438	SM 2320B Alkalinity		N/A	PH1/BUR03	E0908ALKD3	E0908ALKB3
GWS2438	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0908FES1	E0908FEL1
GWS2438	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0908CO2D3	
GWS2430	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
FBS2046	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
FBS2041	EPA 300.0 Anions		N/A	IC 15	140909S01A	140909L01A
FBS2041	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA4	140910LA4
FBS2041	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
FBS2041	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
FBS2041	SM 2320B Alkalinity		N/A	PH1/BUR03	E0908ALKD4	E0908ALKB4
FBS2041	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0908FES1	E0908FEL1
FBS2041	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0908CO2D4	

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0538
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/08/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2409 (14-09-0538-2)						
Benzene	0.18	J	0.14*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2410 (14-09-0538-3)						
Methyl-t-Butyl Ether (MTBE)	0.40	J	0.31*	ug/L	EPA 8260B	EPA 5030C
GWS2438 (14-09-0538-6)						
Nitrate (as N)	0.54		0.10	mg/L	EPA 300.0	N/A
Sulfate	94		1.0	mg/L	EPA 300.0	N/A
Manganese	1.13		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Methane	0.458	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	275		5.00	mg/L	SM 2320B	N/A
Carbon Dioxide	63		1.0	mg/L	SM4500-CO2D	N/A
GWS2430 (14-09-0538-7)						
Benzene	0.15	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.25	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	0.46	J	0.37*	ug/L	EPA 8260B	EPA 5030C
Trichlorofluoromethane	6.5	J	1.7*	ug/L	EPA 8260B	EPA 5030C
FBS2041 (14-09-0538-9)						
Methane	0.0690	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	5.0		1.0	mg/L	SM 2320B	N/A
Carbon Dioxide	1.9		1.0	mg/L	SM4500-CO2D	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-D**	**09/08/14 13:32**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:59**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.458	1.00	0.0400	1.00	J

FBS2041	**14-09-0538-9-D**	**09/08/14 15:40**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 12:26**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0690	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2242**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:08**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-J**	**09/08/14 13:32**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 13:45**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	0.54	0.10	0.025	1.00	
Sulfate	94	1.0	0.19	1.00	

FBS2041	**14-09-0538-9-J**	**09/08/14 15:40**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 13:08**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4988**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 10:38**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-I**	**09/08/14 13:32**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	275	5.00	0.848	1.00	

Method Blank	**099-15-859-461**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2041	**14-09-0538-9-I**	**09/08/14 15:40**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	5.0	1.0	0.85	1.00	

Method Blank	**099-15-981-53**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-H**	**09/08/14 13:32**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

FBS2041	**14-09-0538-9-H**	**09/08/14 15:40**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4897**	**N/A**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-I**	**09/08/14 13:32**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	63	1.0	0.59	1.00	

FBS2041	**14-09-0538-9-I**	**09/08/14 15:40**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	1.9	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-F**	**09/08/14 13:32**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/17/14 23:03**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	1.13	0.00500	0.00270	1.00	

FBS2041	**14-09-0538-9-F**	**09/08/14 15:40**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/17/14 23:05**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14473**	**N/A**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 18:42**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2027	**14-09-0538-1-A**	**09/08/14 07:30**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 02:21**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2409	**14-09-0538-2-A**	**09/08/14 08:05**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:32**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.18	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	1.1	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2410	**14-09-0538-3-A**	**09/08/14 09:07**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:58**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	0.40	1.0	0.31	1.00	J
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	109	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2421	**14-09-0538-4-A**	**09/08/14 09:49**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 05:24**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2422	**14-09-0538-5-A**	**09/08/14 10:59**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 05:50**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	109	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2438	**14-09-0538-6-A**	**09/08/14 13:32**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 06:16**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	109	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2430	**14-09-0538-7-A**	**09/08/14 14:39**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 06:42**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.15	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.25	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.46	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	6.5	10	1.7	1.00	J
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	110	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2046	**14-09-0538-8-A**	**09/08/14 15:35**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 02:47**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2041	**14-09-0538-9-A**	**09/08/14 15:40**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 03:14**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15109**	**N/A**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:55**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	102	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0539-7	**Sample**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:23**	**140909S01A**
14-09-0539-7	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:42**	**140909S01A**
14-09-0539-7	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 15:01**	**140909S01A**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	13.73	500.0	511.5	100	512.0	100	80-120	0	0-20	
Sulfate	295.6	5000	5185	98	5183	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0539-7	**Sample**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**
14-09-0539-7	**Matrix Spike**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**
14-09-0539-7	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9400	94	0.9600	96	70-130	2	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0546-2	**Sample**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:57**	**140910SA4**
14-09-0546-2	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:58**	**140910SA4**
14-09-0546-2	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 20:09**	**140910SA4**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	0.2143	0.7000	0.8896	96	0.8977	98	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2409	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:32**	**140909S038**
GWS2409	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 10:38**	**140909S038**
GWS2409	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 11:04**	**140909S038**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.79	98	48.21	96	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	49.19	98	50.00	100	60-144	2	0-21	
Chlorobenzene	ND	50.00	48.62	97	47.09	94	73-120	3	0-22	
1,2-Dibromoethane	ND	50.00	49.40	99	45.60	91	80-122	8	0-20	
1,2-Dichlorobenzene	ND	50.00	46.24	92	44.82	90	70-120	3	0-26	
1,2-Dichloroethane	ND	50.00	50.18	100	49.52	99	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	46.72	93	47.61	95	52-136	2	0-21	
Ethylbenzene	ND	50.00	47.19	94	45.84	92	77-125	3	0-24	
Toluene	ND	50.00	47.86	96	48.09	96	72-126	0	0-23	
Trichloroethene	ND	50.00	44.91	90	44.07	88	74-128	2	0-22	
Vinyl Chloride	ND	50.00	46.09	92	48.76	98	67-133	6	0-20	
p/m-Xylene	ND	100.0	95.67	96	93.46	93	63-129	2	0-25	
o-Xylene	ND	50.00	49.12	98	48.28	97	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.58	99	47.94	96	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	269.7	108	264.3	106	65-143	2	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	53.00	106	51.29	103	61-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.75	99	48.51	97	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.96	98	47.63	95	67-133	3	0-20	
Ethanol	ND	500.0	556.3	111	578.9	116	34-178	4	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2409	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:32**	**140909S038**
GWS2409	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 10:38**	**140909S038**
GWS2409	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 11:04**	**140909S038**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.42	101	49.95	100	80-120	
Dibromofluoromethane	50.00	50.00	100	51.93	104	78-126	
1,2-Dichloroethane-d4	50.00	50.80	102	51.94	104	75-135	
Toluene-d8	50.00	50.26	101	51.35	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-09-0546-2	**Sample**	**Aqueous**	**ICP 7300**	**09/10/14 00:00**	**09/23/14 19:57**	**140910SA4**
14-09-0546-2	**PDS**	**Aqueous**	**ICP 7300**	**09/10/14 00:00**	**09/23/14 20:10**	**140910SA4**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Manganese	0.2143	0.5000	0.7544	108	75-125	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0299-5	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910D01**
14-09-0299-5	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:54**	**140910D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	12.42	12.46	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2438	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKD3**
GWS2438	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	275.0	274.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0539-10	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKD4**
14-09-0539-10	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	3.000	3.000	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2438	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**
GWS2438	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	63.15	68.99	9	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0539-10	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**
14-09-0539-10	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	53.48	51.07	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2242	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:18**	**140910L01**
099-12-663-2242	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:44**	**140910L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	97.05	95	96.70	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4988	**LCS**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 10:57**	**140909L01A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	5.065	101	90-110	
Sulfate	50.00	50.02	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-461	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**
099-15-859-461	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	97.00	97	97.00	97	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-53	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**
099-15-981-53	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4897	**LCS**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9800	98	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14473	**LCS**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:25**	**140910LA4**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5247	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15109	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:02**	**140909L047**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.95	98	80-120	73-127	
Carbon Tetrachloride	50.00	49.88	100	67-139	55-151	
Chlorobenzene	50.00	48.92	98	78-120	71-127	
1,2-Dibromoethane	50.00	48.70	97	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.86	96	63-129	52-140	
1,2-Dichloroethane	50.00	50.19	100	70-130	60-140	
1,1-Dichloroethene	50.00	48.23	96	66-126	56-136	
Ethylbenzene	50.00	48.17	96	80-123	73-130	
Toluene	50.00	49.76	100	80-120	73-127	
Trichloroethene	50.00	46.39	93	80-122	73-129	
Vinyl Chloride	50.00	49.28	99	70-130	60-140	
p/m-Xylene	100.0	99.06	99	75-123	67-131	
o-Xylene	50.00	50.74	101	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.07	100	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	260.1	104	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	50.74	101	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	50.92	102	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.06	102	67-133	56-144	
Ethanol	500.0	508.9	102	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0538
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15109	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:02**	**140909L047**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.72	101	80-120	
Dibromofluoromethane	50.00	50.00	100	78-126	
1,2-Dichloroethane-d4	50.00	50.53	101	75-135	
Toluene-d8	50.00	51.04	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0538

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 15	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	930	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0538 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

LAB

COC 1 of 1

14-09-0538

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

GRICH.WEAVER@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM
MARK.COLLAR@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX (AQ= Water)	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2027	9/8/14	0730	AQ	2	HCl	VOA	X											1
GWS2409	↓	0805	↓	3	HCl	VOA	X											2
GWS2410	↓	0907	↓	3	↓	↓	X											3
GWS2421	↓	0949	↓	3	↓	↓	X											4
GWS2422	↓	1059	↓	3	↓	↓	X											5
GWS2438	↓	1332	↓	10	Various	Various	X		X	X	X	X	X	X				6
GWS2430	↓	1439	↓	3	HCl	VOA	X											7
FBS2046	↓	1535	↓	3	HCl	VOA	X											8
FBS2041	↓	1540	↓	10	Various	Various	X		X	X	X	X	X	X				9

SAMPLING COMPLETED DATE 9/8/14 TIME 1600

SAMPLING PERFORMED BY Nicholas King

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Nicholas King	1600	Nicole	9/8/14	1600
Nicole	1645	Aly Mag ECI	9/8/14	1645
Aly Mag	1800	ECI	9/8/14	1800

SHIPPED VIA

TIME SENT

COOLER #

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WORK ORDER #: 14-09-0538

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/18/14

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

Temperature 3.1 °C - 0.3 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 812

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh (5) ☐VOA**na**$_2$ ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na**$_2$ ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB (2) ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** (1) ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na**$_2$ ☑250PB (9) ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 812

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 689

Preservative: **h:** HCL **n:** HNO_3 **na**$_2$:$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 689

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0539

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0539

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Work Order Narrative

Work Order: 14-09-0539 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/08/14. They were assigned to Work Order 14-09-0539.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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CASE NARRATIVE

Eurofins Calscience Work Order 14-09-0539

EPA 6010B Metals:

For batch 140910LA4 / 140910SA4, 0.35 mL of spike solution was added to the MS/MSD instead of 0.25 mL. The spike added amount in the MS/MSD has been adjusted accordingly. The associated LCS recovery for this batch was in control.

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0539
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/08/14 18:00
		Number of Containers:	50
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2026	14-09-0539-1	09/08/14 07:00	2	Aqueous
GWS2429	14-09-0539-2	09/08/14 08:18	10	Aqueous
GWS2453	14-09-0539-3	09/08/14 09:55	3	Aqueous
GWS2494	14-09-0539-4	09/08/14 10:58	3	Aqueous
GWS2425	14-09-0539-5	09/08/14 11:03	3	Aqueous
GWS2437	14-09-0539-6	09/08/14 12:48	3	Aqueous
GWS2441	14-09-0539-7	09/08/14 13:28	10	Aqueous
GWS2481	14-09-0539-8	09/08/14 15:47	3	Aqueous
GWS2423	14-09-0539-9	09/08/14 14:44	3	Aqueous
FBS2042	14-09-0539-10	09/08/14 16:00	10	Aqueous

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QC Association Summary

Work Order: 14-09-0539

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2026	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2429	EPA 300.0 Anions		N/A	IC 15	140909S01A	140909L01A
GWS2429	EPA 300.0 Anions	R	N/A	IC 15	140910S02	140910L02
GWS2429	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA4	140910LA4
GWS2429	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2429	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2429	SM 2320B Alkalinity		N/A	PH1/BUR03	E0908ALKD3	E0908ALKB3
GWS2429	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0908FES1	E0908FEL1
GWS2429	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0908CO2D3	
GWS2453	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2494	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2494	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS Q	140910S027	140910L041
GWS2425	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2425	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS Q	140910S027	140910L041
GWS2437	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2441	EPA 300.0 Anions		N/A	IC 15	140909S01A	140909L01A
GWS2441	EPA 300.0 Anions	R	N/A	IC 15	140910S02	140910L02
GWS2441	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA4	140910LA4
GWS2441	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2441	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
GWS2441	SM 2320B Alkalinity		N/A	PH1/BUR03	E0908ALKD3	E0908ALKB3
GWS2441	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0908FES1	E0908FEL1
GWS2441	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0908CO2D3	
GWS2481	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
GWS2423	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
FBS2042	EPA 300.0 Anions		N/A	IC 15	140909S01A	140909L01A
FBS2042	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA4	140910LA4
FBS2042	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140909S038	140909L047
FBS2042	RSK-175M Methane		N/A	GC 61	140910D01	140910L01
FBS2042	SM 2320B Alkalinity		N/A	PH1/BUR03	E0908ALKD4	E0908ALKB4
FBS2042	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0908FES1	E0908FEL1
FBS2042	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0908CO2D4	

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0539
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/08/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2429 (14-09-0539-2)						
Nitrate (as N)	0.26		0.10	mg/L	EPA 300.0	N/A
Sulfate	200	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	170		5.0	mg/L	EPA 300.0	N/A
Manganese	1.16		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Methane	5.41		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	391		5.00	mg/L	SM 2320B	N/A
Carbon Dioxide	86		1.0	mg/L	SM4500-CO2D	N/A
GWS2453 (14-09-0539-3)						
c-1,2-Dichloroethene	9.3		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.30	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	0.81	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GWS2494 (14-09-0539-4)						
Benzene	0.48	J	0.14*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.67	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	2.0		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	4.7		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	220	E	1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	230		2.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.24	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	44		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2425 (14-09-0539-5)						
Benzene	0.44	J	0.14*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.61	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	2.0		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	4.5		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	1.0		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	210	E	1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	210		2.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	41		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2437 (14-09-0539-6)						
Tetrachloroethene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C

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* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0539
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/08/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2441 (14-09-0539-7)						
Nitrate (as N)	14	E	0.10	mg/L	EPA 300.0	N/A
Nitrate (as N)	12	BU	0.50	mg/L	EPA 300.0	N/A
Sulfate	300	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	240		5.0	mg/L	EPA 300.0	N/A
Tetrachloroethene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C
Methane	0.458	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	528		5.00	mg/L	SM 2320B	N/A
Carbon Dioxide	160		5.0	mg/L	SM4500-CO2D	N/A
GWS2481 (14-09-0539-8)						
sec-Butylbenzene	0.60	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	2.2		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.31	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	330		10	ug/L	EPA 8260B	EPA 5030C
GWS2423 (14-09-0539-9)						
tert-Butylbenzene	0.50	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	3.5		0.50	ug/L	EPA 8260B	EPA 5030C
FBS2042 (14-09-0539-10)						
Nitrate (as N)	0.087	J	0.025*	mg/L	EPA 300.0	N/A
Sulfate	0.20	J	0.19*	mg/L	EPA 300.0	N/A
Methane	0.0640	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	3.0		1.0	mg/L	SM 2320B	N/A
Carbon Dioxide	53		1.0	mg/L	SM4500-CO2D	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-D**	**09/08/14 08:18**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 12:51**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	5.41	1.00	0.0400	1.00	

GWS2441	**14-09-0539-7-D**	**09/08/14 13:28**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 13:18**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.458	1.00	0.0400	1.00	J

FBS2042	**14-09-0539-10-D**	**09/08/14 16:00**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 13:45**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0640	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2242**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 11:08**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-J**	**09/08/14 08:18**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:04**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	0.26	0.10	0.025	1.00	
Sulfate	200	1.0	0.19	1.00	E

GWS2429	**14-09-0539-2-J**	**09/08/14 08:18**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 22:13**	**140910L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	170	5.0	0.94	5.00	

GWS2441	**14-09-0539-7-J**	**09/08/14 13:28**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:23**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	14	0.10	0.025	1.00	E
Sulfate	300	1.0	0.19	1.00	E

GWS2441	**14-09-0539-7-J**	**09/08/14 13:28**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 22:32**	**140910L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- Dilution analysis was performed outside the recommended holding time.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	12	0.50	0.13	5.00	BU
Sulfate	240	5.0	0.94	5.00	

FBS2042	**14-09-0539-10-J**	**09/08/14 16:00**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 13:27**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	0.087	0.10	0.025	1.00	J
Sulfate	0.20	1.0	0.19	1.00	J

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-4988**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 10:38**	**140909L01A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4984**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 21:16**	**140910L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-I**	**09/08/14 08:18**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	391	5.00	0.848	1.00	

GWS2441	**14-09-0539-7-I**	**09/08/14 13:28**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	528	5.00	0.848	1.00	

Method Blank	**099-15-859-461**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2042	**14-09-0539-10-I**	**09/08/14 16:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	3.0	1.0	0.85	1.00	

Method Blank	**099-15-981-53**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-H**	**09/08/14 08:18**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

GWS2441	**14-09-0539-7-H**	**09/08/14 13:28**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

FBS2042	**14-09-0539-10-H**	**09/08/14 16:00**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4897**	**N/A**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-I**	**09/08/14 08:18**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	86	1.0	0.59	1.00	

GWS2441	**14-09-0539-7-I**	**09/08/14 13:28**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	160	5.0	0.59	1.00	

FBS2042	**14-09-0539-10-I**	**09/08/14 16:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	53	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-F**	**09/08/14 08:18**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/17/14 23:06**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	1.16	0.00500	0.00270	1.00	

GWS2441	**14-09-0539-7-F**	**09/08/14 13:28**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/17/14 23:07**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

FBS2042	**14-09-0539-10-F**	**09/08/14 16:00**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/17/14 23:09**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14473**	**N/A**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 18:42**	**140910LA4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2026	**14-09-0539-1-A**	**09/08/14 07:00**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 03:40**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2429	**14-09-0539-2-A**	**09/08/14 08:18**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 07:08**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2453	**14-09-0539-3-A**	**09/08/14 09:55**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 07:34**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	9.3	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.30	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.81	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2494	**14-09-0539-4-A**	**09/08/14 10:58**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 08:01**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.48	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.67	1.0	0.28	1.00	J
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	2.0	1.0	0.43	1.00	
c-1,2-Dichloroethene	4.7	1.0	0.48	1.00	
t-1,2-Dichloroethene	1.1	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	220	1.0	0.39	1.00	E
Toluene	0.24	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	44	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	110	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2494	**14-09-0539-4-B**	**09/08/14 10:58**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 04:40**	**140910L041**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	230	2.0	0.77	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	110	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2425	**14-09-0539-5-A**	**09/08/14 11:03**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 08:26**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.44	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.61	1.0	0.28	1.00	J
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	2.0	1.0	0.43	1.00	
c-1,2-Dichloroethene	4.5	1.0	0.48	1.00	
t-1,2-Dichloroethene	1.0	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	210	1.0	0.39	1.00	E
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	41	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2425	**14-09-0539-5-B**	**09/08/14 11:03**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 05:06**	**140910L041**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	210	2.0	0.77	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2437	**14-09-0539-6-A**	**09/08/14 12:48**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 08:53**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.2	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	109	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2441	**14-09-0539-7-A**	**09/08/14 13:28**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 09:19**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.2	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	110	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2481	**14-09-0539-8-A**	**09/08/14 15:47**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 09:45**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.60	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	2.2	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.31	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	330	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2423	**14-09-0539-9-A**	**09/08/14 14:44**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 10:11**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	0.50	1.0	0.28	1.00	J
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	3.5	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	111	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2042	**14-09-0539-10-A**	**09/08/14 16:00**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:06**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15109**	**N/A**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:55**	**140909L047**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 25 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 26 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	102	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15115**	**N/A**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 02:55**	**140910L041**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	ND	1.0	0.39	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	99	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2441	**Sample**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:23**	**140909S01A**
GWS2441	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 14:42**	**140909S01A**
GWS2441	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 15:01**	**140909S01A**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	13.73	500.0	511.5	100	512.0	100	80-120	0	0-20	
Sulfate	295.6	5000	5185	98	5183	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0619-1	**Sample**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 00:44**	**140910S02**
14-09-0619-1	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 01:03**	**140910S02**
14-09-0619-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 01:22**	**140910S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	ND	500.0	497.0	99	497.2	99	80-120	0	0-20	
Sulfate	5590	5000	9804	84	9807	84	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2441	**Sample**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**
GWS2441	**Matrix Spike**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**
GWS2441	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9400	94	0.9600	96	70-130	2	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0546-2	**Sample**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:57**	**140910SA4**
14-09-0546-2	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:58**	**140910SA4**
14-09-0546-2	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 20:09**	**140910SA4**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	0.2143	0.7000	0.8896	96	0.8977	98	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0538-2	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:32**	**140909S038**
14-09-0538-2	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 10:38**	**140909S038**
14-09-0538-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 11:04**	**140909S038**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.79	98	48.21	96	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	49.19	98	50.00	100	60-144	2	0-21	
Chlorobenzene	ND	50.00	48.62	97	47.09	94	73-120	3	0-22	
1,2-Dibromoethane	ND	50.00	49.40	99	45.60	91	80-122	8	0-20	
1,2-Dichlorobenzene	ND	50.00	46.24	92	44.82	90	70-120	3	0-26	
1,2-Dichloroethane	ND	50.00	50.18	100	49.52	99	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	46.72	93	47.61	95	52-136	2	0-21	
Ethylbenzene	ND	50.00	47.19	94	45.84	92	77-125	3	0-24	
Toluene	ND	50.00	47.86	96	48.09	96	72-126	0	0-23	
Trichloroethene	ND	50.00	44.91	90	44.07	88	74-128	2	0-22	
Vinyl Chloride	ND	50.00	46.09	92	48.76	98	67-133	6	0-20	
p/m-Xylene	ND	100.0	95.67	96	93.46	93	63-129	2	0-25	
o-Xylene	ND	50.00	49.12	98	48.28	97	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.58	99	47.94	96	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	269.7	108	264.3	106	65-143	2	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	53.00	106	51.29	103	61-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.75	99	48.51	97	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.96	98	47.63	95	67-133	3	0-20	
Ethanol	ND	500.0	556.3	111	578.9	116	34-178	4	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0538-2	**Sample**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 04:32**	**140909S038**
14-09-0538-2	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 10:38**	**140909S038**
14-09-0538-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 11:04**	**140909S038**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.42	101	49.95	100	80-120	
Dibromofluoromethane	50.00	50.00	100	51.93	104	78-126	
1,2-Dichloroethane-d4	50.00	50.80	102	51.94	104	75-135	
Toluene-d8	50.00	50.26	101	51.35	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0542-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 03:21**	**140910S027**
14-09-0542-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 03:48**	**140910S027**
14-09-0542-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 04:14**	**140910S027**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	125.0	122.1	98	119.9	96	74-122	2	0-21	
Carbon Tetrachloride	ND	125.0	123.2	99	124.6	100	60-144	1	0-21	
Chlorobenzene	ND	125.0	123.5	99	120.9	97	73-120	2	0-22	
1,2-Dibromoethane	ND	125.0	122.0	98	121.2	97	80-122	1	0-20	
1,2-Dichlorobenzene	ND	125.0	117.7	94	118.1	94	70-120	0	0-26	
1,2-Dichloroethane	ND	125.0	128.3	103	124.1	99	64-142	3	0-20	
1,1-Dichloroethene	ND	125.0	118.2	95	120.5	96	52-136	2	0-21	
Ethylbenzene	ND	125.0	117.7	94	116.3	93	77-125	1	0-24	
Toluene	ND	125.0	120.6	96	118.9	95	72-126	1	0-23	
Trichloroethene	399.6	125.0	480.4	65	471.6	58	74-128	2	0-22	3
Vinyl Chloride	ND	125.0	122.2	98	125.2	100	67-133	2	0-20	
p/m-Xylene	ND	250.0	240.6	96	239.0	96	63-129	1	0-25	
o-Xylene	ND	125.0	123.0	98	121.1	97	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	125.0	123.5	99	125.9	101	68-134	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	625.0	620.4	99	617.5	99	65-143	0	0-30	
Diisopropyl Ether (DIPE)	ND	125.0	131.7	105	131.9	106	61-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	125.0	127.1	102	128.7	103	64-136	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	125.0	126.4	101	125.3	100	67-133	1	0-20	
Ethanol	ND	1250	1243	99	1175	94	34-178	6	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0542-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 03:21**	**140910S027**
14-09-0542-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 03:48**	**140910S027**
14-09-0542-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 04:14**	**140910S027**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	125.0	49.36	99	49.79	100	80-120	
Dibromofluoromethane	125.0	49.71	99	50.93	102	78-126	
1,2-Dichloroethane-d4	125.0	50.86	102	51.48	103	75-135	
Toluene-d8	125.0	50.70	101	50.39	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-09-0546-2	**Sample**	**Aqueous**	**ICP 7300**	**09/10/14 00:00**	**09/23/14 19:57**	**140910SA4**
14-09-0546-2	**PDS**	**Aqueous**	**ICP 7300**	**09/10/14 00:00**	**09/23/14 20:10**	**140910SA4**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Manganese	0.2143	0.5000	0.7544	108	75-125	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0299-5	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:15**	**140910D01**
14-09-0299-5	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 16:54**	**140910D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	12.42	12.46	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0538-6	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKD3**
14-09-0538-6	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	275.0	274.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2042	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKD4**
FBS2042	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	3.000	3.000	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0538-6	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**
14-09-0538-6	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908CO2D3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	63.15	68.99	9	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2042	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**
FBS2042	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	53.48	51.07	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2242	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:18**	**140910L01**
099-12-663-2242	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/10/14 10:44**	**140910L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	97.05	95	96.70	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4988	**LCS**	**Aqueous**	**IC 15**	**N/A**	**09/09/14 10:57**	**140909L01A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	5.065	101	90-110	
Sulfate	50.00	50.02	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4984	**LCS**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 21:35**	**140910L02**
099-12-906-4984	**LCSD**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 21:54**	**140910L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	5.000	5.016	100	5.005	100	90-110	0	0-15	
Sulfate	50.00	49.95	100	49.94	100	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-461	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**
099-15-859-461	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:06**	**E0908ALKB3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	97.00	97	97.00	97	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-53	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**
099-15-981-53	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/08/14 19:46**	**E0908ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4897	**LCS**	**Aqueous**	**UV 9**	**09/08/14**	**09/08/14 20:31**	**E0908FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9800	98	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14473	**LCS**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/23/14 19:25**	**140910LA4**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5247	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15109	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:02**	**140909L047**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.95	98	80-120	73-127	
Carbon Tetrachloride	50.00	49.88	100	67-139	55-151	
Chlorobenzene	50.00	48.92	98	78-120	71-127	
1,2-Dibromoethane	50.00	48.70	97	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.86	96	63-129	52-140	
1,2-Dichloroethane	50.00	50.19	100	70-130	60-140	
1,1-Dichloroethene	50.00	48.23	96	66-126	56-136	
Ethylbenzene	50.00	48.17	96	80-123	73-130	
Toluene	50.00	49.76	100	80-120	73-127	
Trichloroethene	50.00	46.39	93	80-122	73-129	
Vinyl Chloride	50.00	49.28	99	70-130	60-140	
p/m-Xylene	100.0	99.06	99	75-123	67-131	
o-Xylene	50.00	50.74	101	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.07	100	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	260.1	104	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	50.74	101	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	50.92	102	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.06	102	67-133	56-144	
Ethanol	500.0	508.9	102	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15109	**LCS**	**Aqueous**	**GC/MS Q**	**09/09/14**	**09/10/14 01:02**	**140909L047**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.72	101	80-120	
Dibromofluoromethane	50.00	50.00	100	78-126	
1,2-Dichloroethane-d4	50.00	50.53	101	75-135	
Toluene-d8	50.00	51.04	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15115	**LCS**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 02:03**	**140910L041**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.34	99	80-120	73-127	
Carbon Tetrachloride	50.00	50.80	102	67-139	55-151	
Chlorobenzene	50.00	49.57	99	78-120	71-127	
1,2-Dibromoethane	50.00	50.10	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.86	98	63-129	52-140	
1,2-Dichloroethane	50.00	50.83	102	70-130	60-140	
1,1-Dichloroethene	50.00	48.61	97	66-126	56-136	
Ethylbenzene	50.00	48.14	96	80-123	73-130	
Toluene	50.00	49.17	98	80-120	73-127	
Trichloroethene	50.00	46.53	93	80-122	73-129	
Vinyl Chloride	50.00	51.11	102	70-130	60-140	
p/m-Xylene	100.0	99.35	99	75-123	67-131	
o-Xylene	50.00	50.28	101	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.35	103	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	257.1	103	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	53.56	107	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.67	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.52	103	67-133	56-144	
Ethanol	500.0	506.5	101	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/08/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0539
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15115	**LCS**	**Aqueous**	**GC/MS Q**	**09/10/14**	**09/11/14 02:03**	**140910L041**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.69	99	80-120	
Dibromofluoromethane	50.00	50.14	100	78-126	
1,2-Dichloroethane-d4	50.00	51.55	103	75-135	
Toluene-d8	50.00	50.07	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0539

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 15	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	930	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0539 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB **14-09-0539** COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM
ERICH.WEAVER@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2026	9/8/14	0700	AQ	2	HCl	VOA	X											1
GWS2429		0818		10	various	various	X		X	X	X	X	X	X				2
GWS2453		0955		3	HCl	VOA	X											3
GWS2494		1058		3	HCl	VOA	X											4
GWS2425		1103		3	HCl	VOA	X											5
GWS2437		1248		3	HCl	VOA	X											6
GWS2441		1328		10	various	various	X		X	X	X	X	X	X				7
GWS2481		1547		3	HCl	VOA	X											8
GWS2423		1444		3	HCl	VOA	X											9
FBS2042		1600		10	various	various	X		X	X	X	X	X	X				10

SAMPLING COMPLETED DATE 9/8/14 TIME 1615

SAMPLING PERFORMED BY Jason Mahn

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	Nicole	9/8/14	1620
Nicole	1645	[signature] ECC	9/8/14	1645
[signature]	1800	[signature] ECC	9/8/14	1800

SHIPPED VIA | TIME SENT | COOLER #

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WORK ORDER #: 14-09-0 5 3 9

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09 / 8 / 14

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

Temperature 3.1 °C - 0.3 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 8/26

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑5 VOAh ☐VOANa$_2$ ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna$_2$ ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☑(2) 250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☐250PB ☑250PBn ☑125PB ☐125PBznna ☐100PJ ☐100PJna$_2$ ☑ 250PB$_4$ (G10) ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 8/26/14 SR

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 8/29/14

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 8/29

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0656

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0656

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Work Order Narrative

Work Order: 14-09-0656 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/09/14. They were assigned to Work Order 14-09-0656.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0656
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/09/14 18:30
		Number of Containers:	26
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2028	14-09-0656-1	09/09/14 07:00	2	Aqueous
GWS2502	14-09-0656-2	09/09/14 07:47	6	Aqueous
GWS2460	14-09-0656-3	09/09/14 10:12	3	Aqueous
GWS2476	14-09-0656-4	09/09/14 11:08	3	Aqueous
GWS2480	14-09-0656-5	09/09/14 13:13	3	Aqueous
GWS2483	14-09-0656-6	09/09/14 14:03	3	Aqueous
GWS2492	14-09-0656-7	09/09/14 15:21	3	Aqueous
FBS2044	14-09-0656-8	09/09/14 16:00	3	Aqueous

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QC Association Summary

Work Order: 14-09-0656

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2028	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2502	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2460	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2476	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2480	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2483	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
GWS2492	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005
FBS2044	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140911S004	140911L005

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0656
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2502 (14-09-0656-2)						
Benzene	2.3		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.28	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	7.2		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.20	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.61	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	0.46	J	0.30*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.86	J	0.31*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	17		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.69	J	0.33*	ug/L	EPA 8260B	EPA 5030C
GWS2460 (14-09-0656-3)						
Chloroform	8.6	J	4.6*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	5.1	J	4.3*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	45		10	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	270		10	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1900		10	ug/L	EPA 8260B	EPA 5030C
GWS2476 (14-09-0656-4)						
Trichloroethene	0.49	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GWS2480 (14-09-0656-5)						
1,1-Dichloroethene	16		5.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	160		5.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	60		5.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	900		5.0	ug/L	EPA 8260B	EPA 5030C
GWS2483 (14-09-0656-6)						
Benzene	0.39	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Carbon Disulfide	0.42	J	0.41*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.43	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	1.2		0.50	ug/L	EPA 8260B	EPA 5030C
GWS2492 (14-09-0656-7)						
Benzene	420		2.5	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	4.0	J	1.4*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	14		5.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	90		5.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	140		5.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	930		5.0	ug/L	EPA 8260B	EPA 5030C

* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0656
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2028	**14-09-0656-1-B**	**09/09/14 07:00**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 16:21**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	89	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2502	**14-09-0656-2-B**	**09/09/14 07:47**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 12:52**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.3	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.28	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	7.2	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	1.1	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	1.2	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.20	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.61	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	0.46	0.50	0.30	1.00	J
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	0.86	1.0	0.31	1.00	J
Tert-Butyl Alcohol (TBA)	17	10	4.6	1.00	
Diisopropyl Ether (DIPE)	0.69	2.0	0.33	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 20

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2460	**14-09-0656-3-B**	**09/09/14 10:12**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 13:21**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	ND	5.0	1.4	10.0	
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	8.6	10	4.6	10.0	J
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	5.1	10	4.3	10.0	J
c-1,2-Dichloroethene	45	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	ND	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	ND	10	1.7	10.0	
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	270	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	1900	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2476	**14-09-0656-4-B**	**09/09/14 11:08**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 17:21**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.49	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2480	**14-09-0656-5-B**	**09/09/14 13:13**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 13:51**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5.00	
Benzene	ND	2.5	0.71	5.00	
Bromobenzene	ND	5.0	1.5	5.00	
Bromochloromethane	ND	5.0	2.4	5.00	
Bromodichloromethane	ND	5.0	1.0	5.00	
Bromoform	ND	5.0	2.5	5.00	
Bromomethane	ND	50	19	5.00	
2-Butanone	ND	50	11	5.00	
n-Butylbenzene	ND	5.0	1.1	5.00	
sec-Butylbenzene	ND	5.0	1.2	5.00	
tert-Butylbenzene	ND	5.0	1.4	5.00	
Carbon Disulfide	ND	50	2.0	5.00	
Carbon Tetrachloride	ND	2.5	1.1	5.00	
Chlorobenzene	ND	5.0	0.86	5.00	
Chloroethane	ND	25	11	5.00	
Chloroform	ND	5.0	2.3	5.00	
Chloromethane	ND	50	8.8	5.00	
2-Chlorotoluene	ND	5.0	1.2	5.00	
4-Chlorotoluene	ND	5.0	0.66	5.00	
Dibromochloromethane	ND	5.0	1.2	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5.00	
1,2-Dibromoethane	ND	5.0	1.8	5.00	
Dibromomethane	ND	5.0	2.3	5.00	
1,2-Dichlorobenzene	ND	5.0	2.3	5.00	
1,3-Dichlorobenzene	ND	5.0	2.0	5.00	
1,4-Dichlorobenzene	ND	5.0	2.2	5.00	
Dichlorodifluoromethane	ND	5.0	2.3	5.00	
1,1-Dichloroethane	ND	5.0	1.4	5.00	
1,2-Dichloroethane	ND	2.5	1.2	5.00	
1,1-Dichloroethene	16	5.0	2.2	5.00	
c-1,2-Dichloroethene	160	5.0	2.4	5.00	
t-1,2-Dichloroethene	ND	5.0	1.8	5.00	
1,2-Dichloropropane	ND	5.0	2.1	5.00	
1,3-Dichloropropane	ND	5.0	1.5	5.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5.00	
1,1-Dichloropropene	ND	5.0	2.3	5.00	
c-1,3-Dichloropropene	ND	2.5	1.2	5.00	
t-1,3-Dichloropropene	ND	2.5	1.3	5.00	
Ethylbenzene	ND	5.0	0.69	5.00	
2-Hexanone	ND	50	10	5.00	
Isopropylbenzene	ND	5.0	2.9	5.00	
p-Isopropyltoluene	ND	5.0	0.79	5.00	
Methylene Chloride	ND	50	3.2	5.00	
4-Methyl-2-Pentanone	ND	50	22	5.00	
Naphthalene	ND	50	12	5.00	
n-Propylbenzene	ND	5.0	0.86	5.00	
Styrene	ND	5.0	0.86	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5.00	
Tetrachloroethene	60	5.0	1.9	5.00	
Toluene	ND	5.0	1.2	5.00	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5.00	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5.00	
1,1,1-Trichloroethane	ND	5.0	1.5	5.00	
1,1,2-Trichloroethane	ND	5.0	1.9	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	3.9	5.00	
Trichloroethene	900	5.0	1.8	5.00	
1,2,3-Trichloropropane	ND	25	3.2	5.00	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5.00	
Trichlorofluoromethane	ND	50	8.3	5.00	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5.00	
Vinyl Acetate	ND	50	14	5.00	
Vinyl Chloride	ND	2.5	1.5	5.00	
p/m-Xylene	ND	5.0	1.5	5.00	
o-Xylene	ND	5.0	1.1	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.5	5.00	
Cyclohexane	ND	50	17	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	89	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2483	**14-09-0656-6-B**	**09/09/14 14:03**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 17:51**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.39	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	0.42	10	0.41	1.00	J
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.43	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	1.2	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	94	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2492	**14-09-0656-7-B**	**09/09/14 15:21**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 14:21**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5.00	
Benzene	420	2.5	0.71	5.00	
Bromobenzene	ND	5.0	1.5	5.00	
Bromochloromethane	ND	5.0	2.4	5.00	
Bromodichloromethane	ND	5.0	1.0	5.00	
Bromoform	ND	5.0	2.5	5.00	
Bromomethane	ND	50	19	5.00	
2-Butanone	ND	50	11	5.00	
n-Butylbenzene	ND	5.0	1.1	5.00	
sec-Butylbenzene	ND	5.0	1.2	5.00	
tert-Butylbenzene	ND	5.0	1.4	5.00	
Carbon Disulfide	ND	50	2.0	5.00	
Carbon Tetrachloride	ND	2.5	1.1	5.00	
Chlorobenzene	ND	5.0	0.86	5.00	
Chloroethane	ND	25	11	5.00	
Chloroform	ND	5.0	2.3	5.00	
Chloromethane	ND	50	8.8	5.00	
2-Chlorotoluene	ND	5.0	1.2	5.00	
4-Chlorotoluene	ND	5.0	0.66	5.00	
Dibromochloromethane	ND	5.0	1.2	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5.00	
1,2-Dibromoethane	ND	5.0	1.8	5.00	
Dibromomethane	ND	5.0	2.3	5.00	
1,2-Dichlorobenzene	ND	5.0	2.3	5.00	
1,3-Dichlorobenzene	ND	5.0	2.0	5.00	
1,4-Dichlorobenzene	ND	5.0	2.2	5.00	
Dichlorodifluoromethane	ND	5.0	2.3	5.00	
1,1-Dichloroethane	4.0	5.0	1.4	5.00	J
1,2-Dichloroethane	ND	2.5	1.2	5.00	
1,1-Dichloroethene	14	5.0	2.2	5.00	
c-1,2-Dichloroethene	90	5.0	2.4	5.00	
t-1,2-Dichloroethene	ND	5.0	1.8	5.00	
1,2-Dichloropropane	ND	5.0	2.1	5.00	
1,3-Dichloropropane	ND	5.0	1.5	5.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5.00	
1,1-Dichloropropene	ND	5.0	2.3	5.00	
c-1,3-Dichloropropene	ND	2.5	1.2	5.00	
t-1,3-Dichloropropene	ND	2.5	1.3	5.00	
Ethylbenzene	ND	5.0	0.69	5.00	
2-Hexanone	ND	50	10	5.00	
Isopropylbenzene	ND	5.0	2.9	5.00	
p-Isopropyltoluene	ND	5.0	0.79	5.00	
Methylene Chloride	ND	50	3.2	5.00	
4-Methyl-2-Pentanone	ND	50	22	5.00	
Naphthalene	ND	50	12	5.00	
n-Propylbenzene	ND	5.0	0.86	5.00	
Styrene	ND	5.0	0.86	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5.00	
Tetrachloroethene	140	5.0	1.9	5.00	
Toluene	ND	5.0	1.2	5.00	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5.00	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5.00	
1,1,1-Trichloroethane	ND	5.0	1.5	5.00	
1,1,2-Trichloroethane	ND	5.0	1.9	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	3.9	5.00	
Trichloroethene	930	5.0	1.8	5.00	
1,2,3-Trichloropropane	ND	25	3.2	5.00	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5.00	
Trichlorofluoromethane	ND	50	8.3	5.00	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5.00	
Vinyl Acetate	ND	50	14	5.00	
Vinyl Chloride	ND	2.5	1.5	5.00	
p/m-Xylene	ND	5.0	1.5	5.00	
o-Xylene	ND	5.0	1.1	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.5	5.00	
Cyclohexane	ND	50	17	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	89	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2044	**14-09-0656-8-B**	**09/09/14 16:00**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 16:51**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	87	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15114**	**N/A**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 12:21**	**140911L005**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 20

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	90	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	102	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2502	**Sample**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 12:52**	**140911S004**
GWS2502	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 14:51**	**140911S004**
GWS2502	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 15:21**	**140911S004**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	2.296	50.00	50.48	96	51.33	98	74-122	2	0-21	
Carbon Tetrachloride	ND	50.00	45.50	91	45.80	92	60-144	1	0-21	
Chlorobenzene	7.243	50.00	59.71	105	60.20	106	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	50.94	102	52.16	104	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	53.85	108	54.13	108	70-120	1	0-26	
1,2-Dichloroethane	ND	50.00	54.31	109	54.17	108	64-142	0	0-20	
1,1-Dichloroethene	ND	50.00	41.45	83	40.70	81	52-136	2	0-21	
Ethylbenzene	ND	50.00	52.39	105	52.54	105	77-125	0	0-24	
Toluene	ND	50.00	49.86	100	50.13	100	72-126	1	0-23	
Trichloroethene	ND	50.00	46.02	92	45.41	91	74-128	1	0-22	
Vinyl Chloride	ND	50.00	48.96	98	49.19	98	67-133	0	0-20	
p/m-Xylene	ND	100.0	106.0	106	106.5	107	63-129	1	0-25	
o-Xylene	ND	50.00	52.98	106	53.25	107	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.48	93	45.91	92	68-134	1	0-21	
Tert-Butyl Alcohol (TBA)	17.33	250.0	278.5	104	278.4	104	65-143	0	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	46.48	93	45.76	92	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	46.49	93	45.79	92	64-136	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.79	100	49.92	100	67-133	0	0-20	
Ethanol	ND	500.0	508.3	102	506.7	101	34-178	0	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2502	**Sample**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 12:52**	**140911S004**
GWS2502	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 14:51**	**140911S004**
GWS2502	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 15:21**	**140911S004**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.34	101	51.10	102	80-120	
Dibromofluoromethane	50.00	45.87	92	45.59	91	78-126	
1,2-Dichloroethane-d4	50.00	48.41	97	48.03	96	75-135	
Toluene-d8	50.00	49.80	100	50.27	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15114	**LCS**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 11:03**	**140911L005**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.95	100	80-120	73-127	
Carbon Tetrachloride	50.00	47.41	95	67-139	55-151	
Chlorobenzene	50.00	54.55	109	78-120	71-127	
1,2-Dibromoethane	50.00	49.99	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	55.63	111	63-129	52-140	
1,2-Dichloroethane	50.00	52.16	104	70-130	60-140	
1,1-Dichloroethene	50.00	43.71	87	66-126	56-136	
Ethylbenzene	50.00	54.80	110	80-123	73-130	
Toluene	50.00	51.52	103	80-120	73-127	
Trichloroethene	50.00	48.19	96	80-122	73-129	
Vinyl Chloride	50.00	51.07	102	70-130	60-140	
p/m-Xylene	100.0	111.4	111	75-123	67-131	
o-Xylene	50.00	54.93	110	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	43.42	87	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	256.3	103	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	44.71	89	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.79	90	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.87	98	67-133	56-144	
Ethanol	500.0	529.8	106	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0656
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15114	**LCS**	**Aqueous**	**GC/MS WW**	**09/11/14**	**09/11/14 11:03**	**140911L005**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.76	104	80-120	
Dibromofluoromethane	50.00	46.07	92	78-126	
1,2-Dichloroethane-d4	50.00	46.59	93	75-135	
Toluene-d8	50.00	49.96	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0656

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	905	GC/MS WW	2

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Glossary of Terms and Qualifiers

Work Order: 14-09-0656

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB **14-09-0656**

COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo

Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
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LILY.BAYATI@URS.COM
STEVE.COLE@URS.COM
ERICH.WEAVER@URS.COM

SAMPLE I.D.	DATE	TIME	MATRIX (AQ= Water)	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2028	9/9/14	0700	AQ	2	HCl	VOA	X											1
GWS2502	9/9/14	0747	AQ	6	HCl	VOA	X								MS/MSD			2
GWS2460	↓	1012	↓	3	↓	↓	X											3
GWS2476		1168		3			X											4
GWS2480		1313		3			X											5
GWS2483		1403		3			X											6
GWS2492		1521		3			X											7
FBS2044	↓	1600	↓	3	↓	↓	X											8

SAMPLING COMPLETED DATE 9/9/14 TIME 1615

SAMPLING PERFORMED BY Nicholas King

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	NICOLE	9/9/14	1630
NICOLE	1630	[signature] ECL	9/9/14	1630
[signature]	1830	[signature]	9/9/14	1830

SHIPPED VIA | TIME SENT | COOLER #

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WORK ORDER #: 14-09-0656

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/9/14

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

Temperature 2.9 °C - 0.3 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 739

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 739

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 778

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 778

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0657

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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Work Order Number: 14-09-0657

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Work Order Narrative

Work Order: 14-09-0657 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/09/14. They were assigned to Work Order 14-09-0657.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0657
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/09/14 18:30
		Number of Containers:	54
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2029	14-09-0657-1	09/09/14 07:00	2	Aqueous
GWS2442	14-09-0657-2	09/09/14 08:16	3	Aqueous
GWS2439	14-09-0657-3	09/09/14 09:09	3	Aqueous
GWS2474	14-09-0657-4	09/09/14 10:44	3	Aqueous
GWS2435	14-09-0657-5	09/09/14 12:54	10	Aqueous
GWS2497	14-09-0657-6	09/09/14 12:59	10	Aqueous
GWS2449	14-09-0657-7	09/09/14 13:50	3	Aqueous
GWS2431	14-09-0657-8	09/09/14 14:52	10	Aqueous
FBS2043	14-09-0657-9	09/09/14 15:30	10	Aqueous

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QC Association Summary

Work Order: 14-09-0657

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2029	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2442	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2439	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2474	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2435	EPA 300.0 Anions		N/A	IC 15	140910S01	140910L01
GWS2435	EPA 300.0 Anions	R	N/A	IC 15	140911S01	140911L01
GWS2435	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA5	140910LA5A
GWS2435	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2435	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2435	SM 2320B Alkalinity		N/A	PH1/BUR03	E0909ALKD3	E0909ALKB3
GWS2435	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0909FES1	E0909FEL1
GWS2435	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0909CO2D3	
GWS2497	EPA 300.0 Anions		N/A	IC 15	140910S01	140910L01
GWS2497	EPA 300.0 Anions	R	N/A	IC 15	140911S01	140911L01
GWS2497	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA5	140910LA5A
GWS2497	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2497	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2497	SM 2320B Alkalinity		N/A	PH1/BUR03	E0909ALKD3	E0909ALKB3
GWS2497	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0909FES1	E0909FEL1
GWS2497	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0909CO2D3	
GWS2449	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2431	EPA 300.0 Anions		N/A	IC 15	140910S01	140910L01
GWS2431	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA5	140910LA5A
GWS2431	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
GWS2431	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2431	SM 2320B Alkalinity		N/A	PH1/BUR03	E0909ALKD3	E0909ALKB3
GWS2431	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0909FES1	E0909FEL1
GWS2431	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0909CO2D3	
FBS2043	EPA 300.0 Anions		N/A	IC 15	140910S01	140910L01
FBS2043	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140910SA5	140910LA5A
FBS2043	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140910S021	140910L033
FBS2043	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
FBS2043	SM 2320B Alkalinity		N/A	PH1/BUR03	E0909ALKD4	E0909ALKB4
FBS2043	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0909FES1	E0909FEL1
FBS2043	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0909CO2D4	

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0657
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2442 (14-09-0657-2)						
Trichloroethene	5.9		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2439 (14-09-0657-3)						
Benzene	1.5		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	2.8		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichlorobenzene	0.89	J	0.46*	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	9.2		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.73	J	0.28*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	40		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	4.3		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.17	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.87	J	0.58*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.19	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.61	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	6.9		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	8.8		0.50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	11		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	77		10	ug/L	EPA 8260B	EPA 5030C
Cyclohexane	14		10	ug/L	EPA 8260B	EPA 5030C
GWS2474 (14-09-0657-4)						
Toluene	0.43	J	0.24*	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0657
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		Page 2 of 4

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2435 (14-09-0657-5)						
Sulfate	220	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	180		5.0	mg/L	EPA 300.0	N/A
Manganese	3.77		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	0.46	J	0.14*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.4		1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	12		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichlorobenzene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	15		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	4.4		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	4.0		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	18		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloropropane	5.3		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1.6		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	1.9		0.50	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.33	J	0.31*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	120		10	ug/L	EPA 8260B	EPA 5030C
Diisopropyl Ether (DIPE)	0.48	J	0.33*	ug/L	EPA 8260B	EPA 5030C
Methane	50.2		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	906		5.00	mg/L	SM 2320B	N/A
Iron (II)	5.00		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	950		5.0	mg/L	SM4500-CO2D	N/A

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0657
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		Page 3 of 4

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2497 (14-09-0657-6)						
Sulfate	220	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	180		5.0	mg/L	EPA 300.0	N/A
Manganese	3.84		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	0.43	J	0.14*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	12		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichlorobenzene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	16		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	4.7		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	4.2		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	19		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloropropane	5.3		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1.7		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	2.2		0.50	ug/L	EPA 8260B	EPA 5030C
Methane	44.0		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	910		5.00	mg/L	SM 2320B	N/A
Iron (II)	4.76		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	930		5.0	mg/L	SM4500-CO2D	N/A
GWS2449 (14-09-0657-7)						
Ethylbenzene	0.22	J	0.14*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	0.36	J	0.30*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	3.1		1.0	ug/L	EPA 8260B	EPA 5030C

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0657
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/09/14
Attn:	David Myers		Page 4 of 4

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2431 (14-09-0657-8)						
Sulfate	8.3		1.0	mg/L	EPA 300.0	N/A
Manganese	0.542		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	12		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	1.3		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	16		1.0	ug/L	EPA 8260B	EPA 5030C
tert-Butylbenzene	0.60	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	3.2		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	1.9		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.31	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	3.6		1.0	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	3.1		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.59	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	2.1		1.0	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	0.66	J	0.31*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	36		10	ug/L	EPA 8260B	EPA 5030C
Cyclohexane	19		10	ug/L	EPA 8260B	EPA 5030C
Methane	619		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	659		5.00	mg/L	SM 2320B	N/A
Iron (II)	7.92		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	250		5.0	mg/L	SM4500-CO2D	N/A
FBS2043 (14-09-0657-9)						
Nitrate (as N)	0.074	J	0.025*	mg/L	EPA 300.0	N/A
Sulfate	0.21	J	0.19*	mg/L	EPA 300.0	N/A
Methane	0.174	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	2.5		1.0	mg/L	SM 2320B	N/A
Carbon Dioxide	6.4		1.0	mg/L	SM4500-CO2D	N/A

Subcontracted analyses, if any, are not included in this summary.

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-I**	**09/09/14 12:54**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 13:34**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	50.2	1.00	0.0400	1.00	

GWS2497	**14-09-0657-6-I**	**09/09/14 12:59**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:47**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	44.0	1.00	0.0400	1.00	

GWS2431	**14-09-0657-8-I**	**09/09/14 14:52**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:22**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	619	1.00	0.0400	1.00	

FBS2043	**14-09-0657-9-I**	**09/09/14 15:30**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:56**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.174	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2244**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:26**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-D**	**09/09/14 12:54**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 15:00**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	220	1.0	0.19	1.00	E

GWS2435	**14-09-0657-5-D**	**09/09/14 12:54**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 17:30**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	180	5.0	0.94	5.00	

GWS2497	**14-09-0657-6-D**	**09/09/14 12:59**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 16:52**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	220	1.0	0.19	1.00	E

GWS2497	**14-09-0657-6-D**	**09/09/14 12:59**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 17:48**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	180	5.0	0.94	5.00	

GWS2431	**14-09-0657-8-D**	**09/09/14 14:52**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 17:11**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	8.3	1.0	0.19	1.00	

FBS2043	**14-09-0657-9-D**	**09/09/14 15:30**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 16:34**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	0.074	0.10	0.025	1.00	J
Sulfate	0.21	1.0	0.19	1.00	J

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-4993**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 10:52**	**140910L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4994**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 10:58**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-F**	**09/09/14 12:54**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	906	5.00	0.848	1.00	

GWS2497	**14-09-0657-6-F**	**09/09/14 12:59**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	910	5.00	0.848	1.00	

GWS2431	**14-09-0657-8-F**	**09/09/14 14:52**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	659	5.00	0.848	1.00	

Method Blank	**099-15-859-459**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2043	**14-09-0657-9-E**	**09/09/14 15:30**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	2.5	1.0	0.85	1.00	

Method Blank	**099-15-981-50**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-E**	**09/09/14 12:54**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	5.00	0.100	0.0413	1.00	

GWS2497	**14-09-0657-6-E**	**09/09/14 12:59**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	4.76	0.100	0.0413	1.00	

GWS2431	**14-09-0657-8-E**	**09/09/14 14:52**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	7.92	0.100	0.0413	1.00	

FBS2043	**14-09-0657-9-E**	**09/09/14 15:30**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4903**	**N/A**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-F**	**09/09/14 12:54**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	950	5.0	0.59	1.00	

GWS2497	**14-09-0657-6-F**	**09/09/14 12:59**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	930	5.0	0.59	1.00	

GWS2431	**14-09-0657-8-F**	**09/09/14 14:52**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	250	5.0	0.59	1.00	

FBS2043	**14-09-0657-9-E**	**09/09/14 15:30**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	6.4	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-H**	**09/09/14 12:54**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:48**	**140910LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	3.77	0.00500	0.00270	1.00	

GWS2497	**14-09-0657-6-H**	**09/09/14 12:59**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:52**	**140910LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	3.84	0.00500	0.00270	1.00	

GWS2431	**14-09-0657-8-H**	**09/09/14 14:52**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:54**	**140910LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.542	0.00500	0.00270	1.00	

FBS2043	**14-09-0657-9-H**	**09/09/14 15:30**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:55**	**140910LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14483**	**N/A**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:41**	**140910LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2029	**14-09-0657-1-A**	**09/09/14 07:00**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 01:32**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	91	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2442	**14-09-0657-2-A**	**09/09/14 08:16**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 02:32**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	5.9	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2439	**14-09-0657-3-A**	**09/09/14 09:09**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 04:31**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	1.5	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	1.5	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	2.8	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	0.89	1.0	0.46	1.00	J
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	9.2	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.73	1.0	0.28	1.00	J
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	40	1.0	0.48	1.00	
t-1,2-Dichloroethene	4.3	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.17	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	0.87	1.0	0.58	1.00	J
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	0.19	1.0	0.17	1.00	J
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.61	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	6.9	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	8.8	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	11	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	77	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	14	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	86	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2474	**14-09-0657-4-A**	**09/09/14 10:44**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 05:01**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.43	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	89	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2435	**14-09-0657-5-A**	**09/09/14 12:54**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 05:31**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.46	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	1.4	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	12	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	1.2	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	15	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	4.4	1.0	0.28	1.00	
1,2-Dichloroethane	4.0	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	18	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	5.3	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	1.6	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	1.9	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	0.33	1.0	0.31	1.00	J
Tert-Butyl Alcohol (TBA)	120	10	4.6	1.00	
Diisopropyl Ether (DIPE)	0.48	2.0	0.33	1.00	J
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2497	**14-09-0657-6-A**	**09/09/14 12:59**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 06:01**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.43	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	1.5	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	12	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	1.1	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	16	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	4.7	1.0	0.28	1.00	
1,2-Dichloroethane	4.2	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	19	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	5.3	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	1.7	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	2.2	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	87	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2449	**14-09-0657-7-A**	**09/09/14 13:50**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 06:31**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.22	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	0.36	1.0	0.30	1.00	J
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	3.1	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	91	78-126	
1,2-Dichloroethane-d4	95	75-135	
Toluene-d8	105	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2431	**14-09-0657-8-A**	**09/09/14 14:52**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 07:01**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	12	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	1.3	1.0	0.23	1.00	
sec-Butylbenzene	16	1.0	0.25	1.00	
tert-Butylbenzene	0.60	1.0	0.28	1.00	J
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	3.2	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	1.9	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.31	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	3.6	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	3.1	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.59	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	2.1	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	0.66	1.0	0.31	1.00	J
Tert-Butyl Alcohol (TBA)	36	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	19	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	89	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2043	**14-09-0657-9-A**	**09/09/14 15:30**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 02:02**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	90	78-126	
1,2-Dichloroethane-d4	96	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15111**	**N/A**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 01:02**	**140910L033**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 24

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 24 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	88	78-126	
1,2-Dichloroethane-d4	94	75-135	
Toluene-d8	100	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2435	**Sample**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 15:00**	**140910S01**
GWS2435	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 15:19**	**140910S01**
GWS2435	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 15:38**	**140910S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	ND	500.0	553.4	111	554.4	111	80-120	0	0-20	
Sulfate	219.9	5000	5188	99	5186	99	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0818-4	**Sample**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 14:50**	**140911S01**
14-09-0818-4	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 15:25**	**140911S01**
14-09-0818-4	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 15:43**	**140911S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	76.66	5000	5109	101	5109	101	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0678-5	**Sample**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FES1**
14-09-0678-5	**Matrix Spike**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FES1**
14-09-0678-5	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	0.1750	1.000	1.056	88	1.095	92	70-130	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2435	**Sample**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:48**	**140910SA5**
GWS2435	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:50**	**140910SA5**
GWS2435	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:51**	**140910SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	3.771	0.5000	4.437	4X	4.232	4X	86-116	4X	0-7	Q

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2442	**Sample**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 02:32**	**140910S021**
GWS2442	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 03:02**	**140910S021**
GWS2442	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 03:32**	**140910S021**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	46.91	94	47.58	95	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	43.13	86	43.66	87	60-144	1	0-21	
Chlorobenzene	ND	50.00	50.38	101	51.31	103	73-120	2	0-22	
1,2-Dibromoethane	ND	50.00	50.07	100	51.29	103	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	51.43	103	52.88	106	70-120	3	0-26	
1,2-Dichloroethane	ND	50.00	52.56	105	53.11	106	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	39.32	79	39.84	80	52-136	1	0-21	
Ethylbenzene	ND	50.00	49.48	99	49.94	100	77-125	1	0-24	
Toluene	ND	50.00	48.11	96	48.90	98	72-126	2	0-23	
Trichloroethene	5.926	50.00	50.15	88	50.55	89	74-128	1	0-22	
Vinyl Chloride	ND	50.00	47.34	95	47.06	94	67-133	1	0-20	
p/m-Xylene	ND	100.0	99.84	100	100.1	100	63-129	0	0-25	
o-Xylene	ND	50.00	50.53	101	50.84	102	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.21	88	44.87	90	68-134	1	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	263.5	105	266.2	106	65-143	1	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	43.59	87	44.09	88	61-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	44.64	89	45.42	91	64-136	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.61	97	49.57	99	67-133	2	0-20	
Ethanol	ND	500.0	531.5	106	547.1	109	34-178	3	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2442	**Sample**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 02:32**	**140910S021**
GWS2442	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 03:02**	**140910S021**
GWS2442	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 03:32**	**140910S021**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.32	103	51.58	103	80-120	
Dibromofluoromethane	50.00	45.41	91	45.52	91	78-126	
1,2-Dichloroethane-d4	50.00	47.64	95	47.30	95	75-135	
Toluene-d8	50.00	50.09	100	50.32	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2497	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:47**	**140912D01**
GWS2497	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 13:11**	**140912D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	43.96	39.05	12	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2435	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKD3**
GWS2435	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	906.0	905.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2043	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKD4**
FBS2043	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	2.500	2.500	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2435	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909CO2D3**
GWS2435	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909CO2D3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	951.0	972.0	2	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2043	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909CO2D4**
FBS2043	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	6.441	6.295	2	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2244	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 10:39**	**140912L01**
099-12-663-2244	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:02**	**140912L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	93.74	92	94.73	93	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4993	**LCS**	**Aqueous**	**IC 15**	**N/A**	**09/10/14 11:11**	**140910L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	5.484	110	90-110	
Sulfate	50.00	49.60	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4994	**LCS**	**Aqueous**	**IC 15**	**N/A**	**09/11/14 11:16**	**140911L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	50.00	49.75	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-459	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**
099-15-859-459	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 20:12**	**E0909ALKB3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	97.00	97	97.00	97	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-50	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKB4**
099-15-981-50	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/09/14 19:34**	**E0909ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4903	**LCS**	**Aqueous**	**UV 9**	**09/09/14**	**09/09/14 20:56**	**E0909FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9800	98	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14483	**LCS**	**Aqueous**	**ICP 7300**	**09/10/14**	**09/19/14 17:47**	**140910LA5A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5474	109	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15111	**LCS**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 00:02**	**140910L033**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.45	97	80-120	73-127	
Carbon Tetrachloride	50.00	44.81	90	67-139	55-151	
Chlorobenzene	50.00	53.22	106	78-120	71-127	
1,2-Dibromoethane	50.00	51.51	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	52.60	105	63-129	52-140	
1,2-Dichloroethane	50.00	51.12	102	70-130	60-140	
1,1-Dichloroethene	50.00	41.24	82	66-126	56-136	
Ethylbenzene	50.00	52.26	105	80-123	73-130	
Toluene	50.00	48.89	98	80-120	73-127	
Trichloroethene	50.00	46.11	92	80-122	73-129	
Vinyl Chloride	50.00	46.19	92	70-130	60-140	
p/m-Xylene	100.0	105.7	106	75-123	67-131	
o-Xylene	50.00	52.92	106	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	43.45	87	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	264.8	106	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	43.27	87	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	44.40	89	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.32	97	67-133	56-144	
Ethanol	500.0	518.1	104	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/09/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0657
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15111	**LCS**	**Aqueous**	**GC/MS WW**	**09/10/14**	**09/11/14 00:02**	**140910L033**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.86	104	80-120	
Dibromofluoromethane	50.00	44.71	89	78-126	
1,2-Dichloroethane-d4	50.00	46.58	93	75-135	
Toluene-d8	50.00	49.98	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0657

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 15	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	905	GC/MS WW	2
RSK-175M	N/A	884	GC 61	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0657

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB **14-09-0657**

COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM
ERICH.WEAVER@URS.COM

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2029	9/9/14	0700	AQ	2	HCl	VOA	X											1
GWS2442		0816		3	HCl	VOA	X											2
GWS2439		0909		3	HCl	VOA	X											3
GWS2474		1044		3	HCl	VOA	X											4
~~GWS2435~~ GWS2435		1254		10	various	various	X		X	X	X	X	X	X				5
GWS2497		1259		10	various	various	X		X	X	X	X	X	X				6
GWS2449		1350		3	HCl	VOA	X											7
GWS2431		1452		10	various	various	X		X	X	X	X	X	X				8
FBS2043		1530		10	various	various	X		X	X	X	X	X	X				9

SAMPLING COMPLETED DATE 9/9/14 TIME 1600

SAMPLING PERFORMED BY Jason Mahn

RESULTS NEEDED NO LATER THAN standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	NICOLE	9/9/14	1630
NICOLE	1630	[signature] EEC	9/9/14	1630
[signature]	1830	[signature]	9/9/14	1830

SHIPPED VIA | TIME SENT | COOLER #

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WORK ORDER #: 14-09-0657

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/9/14

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

Temperature 2.9 °C - 0.3 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 778

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 1408280 **Labeled/Checked by:** 778

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 739

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 739

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0756

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0756

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Work Order Narrative

Work Order: 14-09-0756 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/10/14. They were assigned to Work Order 14-09-0756.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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CASE NARRATIVE

Eurofins Calscience Work Order 14-09-0756

EPA 6010B Metals:

For batch 140911LA3 / 140911SA3, 0.35 mL of spike solution was added to the MS/MSD instead of 0.25 mL. The spike added amount in the MS/MSD has been adjusted accordingly. The associated LCS recovery for this batch was in control.

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0756
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/10/14 18:00
		Number of Containers:	36
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2031	14-09-0756-1	09/10/14 07:00	2	Aqueous
GWS2486	14-09-0756-2	09/10/14 08:13	3	Aqueous
GWS2440	14-09-0756-3	09/10/14 09:03	3	Aqueous
GWS2418	14-09-0756-4	09/10/14 09:41	3	Aqueous
GWS2455	14-09-0756-5	09/10/14 10:38	3	Aqueous
GWS2478	14-09-0756-6	09/10/14 11:43	3	Aqueous
GWS2448	14-09-0756-7	09/10/14 13:50	3	Aqueous
GWS2487	14-09-0756-8	09/10/14 15:00	3	Aqueous
FBS2048	14-09-0756-9	09/10/14 15:35	3	Aqueous
FBS2049	14-09-0756-10	09/10/14 15:45	10	Aqueous

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QC Association Summary

Work Order: 14-09-0756

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2031	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
GWS2486	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2440	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
GWS2418	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
GWS2455	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2478	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2448	EPA 8260B Volatile Organics		EPA 5030C	GC/MS WW	140917S008	140917L023
GWS2487	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
FBS2048	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
FBS2049	EPA 300.0 Anions		N/A	IC 7	140911S01	140911L01
FBS2049	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140911SA3	140911LA3
FBS2049	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
FBS2049	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
FBS2049	SM 2320B Alkalinity		N/A	PH1/BUR03	E0910ALKD3	E0910ALKB3
FBS2049	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0910FES1	E0910FEL1
FBS2049	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0910CO2D3	

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0756
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/10/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2486 (14-09-0756-2)						
Benzene	11		5.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	1900		10	ug/L	EPA 8260B	EPA 5030C
1,4-Dichlorobenzene	5.7	J	4.3*	ug/L	EPA 8260B	EPA 5030C
GWS2440 (14-09-0756-3)						
Benzene	2.1		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.7		1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	0.26	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.25	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.63	J	0.17*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	0.53	J	0.30*	ug/L	EPA 8260B	EPA 5030C
GWS2418 (14-09-0756-4)						
Tetrachloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2455 (14-09-0756-5)						
Benzene	36000		120	ug/L	EPA 8260B	EPA 5030C
GWS2478 (14-09-0756-6)						
Benzene	4700		12	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	250		25	ug/L	EPA 8260B	EPA 5030C
GWS2487 (14-09-0756-8)						
Benzene	3.9		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.83	J	0.25*	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	4.3		0.50	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.25	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	22		10	ug/L	EPA 8260B	EPA 5030C
FBS2049 (14-09-0756-10)						
Methane	0.0410	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	3.0		1.0	mg/L	SM 2320B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-D**	**09/10/14 15:45**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 15:22**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0410	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2244**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:26**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-F**	**09/10/14 15:45**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 11:47**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4985**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 10:23**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-H**	**09/10/14 15:45**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	3.0	1.0	0.85	1.00	

Method Blank	**099-15-981-51**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKB3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-G**	**09/10/14 15:45**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4902**	**N/A**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-H**	**09/10/14 15:45**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910CO2D3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	ND	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-J**	**09/10/14 15:45**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/17/14 23:02**	**140911LA3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14476**	**N/A**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 17:43**	**140911LA3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2031	**14-09-0756-1-A**	**09/10/14 07:00**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 05:14**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2486	**14-09-0756-2-B**	**09/10/14 08:13**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	11	5.0	1.4	10.0	
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	1900	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	ND	10	4.6	10.0	
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	5.7	10	4.3	10.0	J
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	ND	10	4.3	10.0	
c-1,2-Dichloroethene	ND	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	ND	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	ND	10	1.7	10.0	
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	ND	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	ND	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2440	**14-09-0756-3-A**	**09/10/14 09:03**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:25**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.1	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	1.7	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	0.26	1.0	0.17	1.00	J
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.25	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	1.5	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	0.63	1.0	0.17	1.00	J
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	0.53	1.0	0.30	1.00	J
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2418	**14-09-0756-4-A**	**09/10/14 09:41**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:51**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.1	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2455	**14-09-0756-5-B**	**09/10/14 10:38**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 14:38**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	2500	250	
Benzene	36000	120	35	250	
Bromobenzene	ND	250	76	250	
Bromochloromethane	ND	250	120	250	
Bromodichloromethane	ND	250	52	250	
Bromoform	ND	250	130	250	
Bromomethane	ND	2500	970	250	
2-Butanone	ND	2500	550	250	
n-Butylbenzene	ND	250	57	250	
sec-Butylbenzene	ND	250	61	250	
tert-Butylbenzene	ND	250	69	250	
Carbon Disulfide	ND	2500	100	250	
Carbon Tetrachloride	ND	120	56	250	
Chlorobenzene	ND	250	43	250	
Chloroethane	ND	1200	570	250	
Chloroform	ND	250	120	250	
Chloromethane	ND	2500	440	250	
2-Chlorotoluene	ND	250	60	250	
4-Chlorotoluene	ND	250	33	250	
Dibromochloromethane	ND	250	62	250	
1,2-Dibromo-3-Chloropropane	ND	1200	310	250	
1,2-Dibromoethane	ND	250	90	250	
Dibromomethane	ND	250	120	250	
1,2-Dichlorobenzene	ND	250	110	250	
1,3-Dichlorobenzene	ND	250	100	250	
1,4-Dichlorobenzene	ND	250	110	250	
Dichlorodifluoromethane	ND	250	110	250	
1,1-Dichloroethane	ND	250	70	250	
1,2-Dichloroethane	ND	120	60	250	
1,1-Dichloroethene	ND	250	110	250	
c-1,2-Dichloroethene	ND	250	120	250	
t-1,2-Dichloroethene	ND	250	92	250	
1,2-Dichloropropane	ND	250	110	250	
1,3-Dichloropropane	ND	250	76	250	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	250	91	250	
1,1-Dichloropropene	ND	250	120	250	
c-1,3-Dichloropropene	ND	120	61	250	
t-1,3-Dichloropropene	ND	120	64	250	
Ethylbenzene	ND	250	35	250	
2-Hexanone	ND	2500	520	250	
Isopropylbenzene	ND	250	150	250	
p-Isopropyltoluene	ND	250	39	250	
Methylene Chloride	ND	2500	160	250	
4-Methyl-2-Pentanone	ND	2500	1100	250	
Naphthalene	ND	2500	620	250	
n-Propylbenzene	ND	250	43	250	
Styrene	ND	250	43	250	
1,1,1,2-Tetrachloroethane	ND	250	100	250	
1,1,2,2-Tetrachloroethane	ND	250	100	250	
Tetrachloroethene	ND	250	97	250	
Toluene	ND	250	59	250	
1,2,3-Trichlorobenzene	ND	250	130	250	
1,2,4-Trichlorobenzene	ND	250	120	250	
1,1,1-Trichloroethane	ND	250	76	250	
1,1,2-Trichloroethane	ND	250	96	250	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2500	200	250	
Trichloroethene	ND	250	92	250	
1,2,3-Trichloropropane	ND	1200	160	250	
1,2,4-Trimethylbenzene	ND	250	90	250	
Trichlorofluoromethane	ND	2500	410	250	
1,3,5-Trimethylbenzene	ND	250	71	250	
Vinyl Acetate	ND	2500	700	250	
Vinyl Chloride	ND	120	75	250	
p/m-Xylene	ND	250	75	250	
o-Xylene	ND	250	57	250	
Methyl-t-Butyl Ether (MTBE)	ND	250	77	250	
Cyclohexane	ND	2500	860	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2478	**14-09-0756-6-B**	**09/10/14 11:43**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 15:06**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	500	250	25.0	
Benzene	4700	12	3.5	25.0	
Bromobenzene	ND	25	7.6	25.0	
Bromochloromethane	ND	25	12	25.0	
Bromodichloromethane	ND	25	5.2	25.0	
Bromoform	ND	25	13	25.0	
Bromomethane	ND	250	97	25.0	
2-Butanone	ND	250	55	25.0	
n-Butylbenzene	ND	25	5.7	25.0	
sec-Butylbenzene	ND	25	6.1	25.0	
tert-Butylbenzene	ND	25	6.9	25.0	
Carbon Disulfide	ND	250	10	25.0	
Carbon Tetrachloride	ND	12	5.6	25.0	
Chlorobenzene	ND	25	4.3	25.0	
Chloroethane	ND	120	57	25.0	
Chloroform	ND	25	12	25.0	
Chloromethane	ND	250	44	25.0	
2-Chlorotoluene	ND	25	6.0	25.0	
4-Chlorotoluene	ND	25	3.3	25.0	
Dibromochloromethane	ND	25	6.2	25.0	
1,2-Dibromo-3-Chloropropane	ND	120	31	25.0	
1,2-Dibromoethane	ND	25	9.0	25.0	
Dibromomethane	ND	25	12	25.0	
1,2-Dichlorobenzene	ND	25	11	25.0	
1,3-Dichlorobenzene	ND	25	10	25.0	
1,4-Dichlorobenzene	ND	25	11	25.0	
Dichlorodifluoromethane	ND	25	11	25.0	
1,1-Dichloroethane	ND	25	7.0	25.0	
1,2-Dichloroethane	ND	12	6.0	25.0	
1,1-Dichloroethene	ND	25	11	25.0	
c-1,2-Dichloroethene	ND	25	12	25.0	
t-1,2-Dichloroethene	ND	25	9.2	25.0	
1,2-Dichloropropane	ND	25	11	25.0	
1,3-Dichloropropane	ND	25	7.6	25.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	25	9.1	25.0	
1,1-Dichloropropene	ND	25	12	25.0	
c-1,3-Dichloropropene	ND	12	6.1	25.0	
t-1,3-Dichloropropene	ND	12	6.4	25.0	
Ethylbenzene	250	25	3.5	25.0	
2-Hexanone	ND	250	52	25.0	
Isopropylbenzene	ND	25	15	25.0	
p-Isopropyltoluene	ND	25	3.9	25.0	
Methylene Chloride	ND	250	16	25.0	
4-Methyl-2-Pentanone	ND	250	110	25.0	
Naphthalene	ND	250	62	25.0	
n-Propylbenzene	ND	25	4.3	25.0	
Styrene	ND	25	4.3	25.0	
1,1,1,2-Tetrachloroethane	ND	25	10	25.0	
1,1,2,2-Tetrachloroethane	ND	25	10	25.0	
Tetrachloroethene	ND	25	9.7	25.0	
Toluene	ND	25	5.9	25.0	
1,2,3-Trichlorobenzene	ND	25	13	25.0	
1,2,4-Trichlorobenzene	ND	25	12	25.0	
1,1,1-Trichloroethane	ND	25	7.6	25.0	
1,1,2-Trichloroethane	ND	25	9.6	25.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	20	25.0	
Trichloroethene	ND	25	9.2	25.0	
1,2,3-Trichloropropane	ND	120	16	25.0	
1,2,4-Trimethylbenzene	ND	25	9.0	25.0	
Trichlorofluoromethane	ND	250	41	25.0	
1,3,5-Trimethylbenzene	ND	25	7.1	25.0	
Vinyl Acetate	ND	250	70	25.0	
Vinyl Chloride	ND	12	7.5	25.0	
p/m-Xylene	ND	25	7.5	25.0	
o-Xylene	ND	25	5.7	25.0	
Methyl-t-Butyl Ether (MTBE)	ND	25	7.7	25.0	
Tert-Butyl Alcohol (TBA)	ND	250	110	25.0	
Diisopropyl Ether (DIPE)	ND	50	8.3	25.0	
Ethyl-t-Butyl Ether (ETBE)	ND	50	11	25.0	
Tert-Amyl-Methyl Ether (TAME)	ND	50	5.5	25.0	
Ethanol	ND	2500	1200	25.0	
Cyclohexane	ND	250	86	25.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2448	**14-09-0756-7-C**	**09/10/14 13:50**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 16:43**	**140917L023**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	ND	5.0	1.4	10.0	
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	ND	10	4.6	10.0	
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	ND	10	4.3	10.0	
c-1,2-Dichloroethene	ND	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	ND	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	ND	10	1.7	10.0	
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	ND	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	ND	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	107	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2487	**14-09-0756-8-A**	**09/10/14 15:00**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 08:17**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	3.9	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.83	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	4.3	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.25	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	22	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2048	**14-09-0756-9-A**	**09/10/14 15:35**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 05:40**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2049	**14-09-0756-10-A**	**09/10/14 15:45**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 06:06**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15126**	**N/A**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 04:48**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 24 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 25 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 26 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15129**	**N/A**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 11:16**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 27 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 28 of 30

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 29 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15167**	**N/A**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 12:42**	**140917L023**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 30 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	100	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0755-13	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:08**	**140911S01**
14-09-0755-13	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:23**	**140911S01**
14-09-0755-13	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:39**	**140911S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	ND	500.0	495.1	99	494.4	99	80-120	0	0-20	
Sulfate	162.8	5000	5053	98	5053	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0757-3	**Sample**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**
14-09-0757-3	**Matrix Spike**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**
14-09-0757-3	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	1.600	1.000	2.480	88	2.600	100	70-130	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0757-3	**Sample**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:02**	**140911SA3**
14-09-0757-3	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:04**	**140911SA3**
14-09-0757-3	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:05**	**140911SA3**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	2.371	0.7000	3.078	101	2.871	71	86-116	7	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2440	**Sample**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:25**	**140911S041**
GWS2440	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:08**	**140911S041**
GWS2440	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:35**	**140911S041**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	2.138	50.00	48.33	92	48.88	93	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	47.64	95	49.70	99	60-144	4	0-21	
Chlorobenzene	ND	50.00	47.01	94	48.06	96	73-120	2	0-22	
1,2-Dibromoethane	ND	50.00	48.40	97	49.44	99	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	46.33	93	47.61	95	70-120	3	0-26	
1,2-Dichloroethane	ND	50.00	48.16	96	49.05	98	64-142	2	0-20	
1,1-Dichloroethene	ND	50.00	45.50	91	45.71	91	52-136	0	0-21	
Ethylbenzene	ND	50.00	45.58	91	46.41	93	77-125	2	0-24	
Toluene	ND	50.00	45.75	91	46.79	94	72-126	2	0-23	
Trichloroethene	ND	50.00	43.36	87	43.75	87	74-128	1	0-22	
Vinyl Chloride	ND	50.00	47.42	95	48.61	97	67-133	2	0-20	
p/m-Xylene	ND	100.0	92.58	93	94.60	95	63-129	2	0-25	
o-Xylene	ND	50.00	47.54	95	48.53	97	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.10	98	50.84	102	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	269.0	108	253.8	102	65-143	6	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	49.95	100	50.78	102	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.76	100	51.39	103	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.30	97	49.90	100	67-133	3	0-20	
Ethanol	ND	500.0	519.4	104	441.3	88	34-178	16	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2440	**Sample**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:25**	**140911S041**
GWS2440	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:08**	**140911S041**
GWS2440	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:35**	**140911S041**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.00	100	49.00	98	80-120	
Dibromofluoromethane	50.00	49.70	99	49.83	100	78-126	
1,2-Dichloroethane-d4	50.00	50.49	101	50.69	101	75-135	
Toluene-d8	50.00	50.45	101	49.54	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2486	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
GWS2486	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
GWS2486	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	10.86	500.0	550.6	108	519.6	102	74-122	6	0-21	
Carbon Tetrachloride	ND	500.0	471.8	94	504.1	101	60-144	7	0-21	
Chlorobenzene	1945	500.0	2420	95	2415	94	73-120	0	0-22	
1,2-Dibromoethane	ND	500.0	515.6	103	506.3	101	80-122	2	0-20	
1,2-Dichlorobenzene	ND	500.0	523.8	105	515.7	103	70-120	2	0-26	
1,2-Dichloroethane	ND	500.0	548.6	110	510.9	102	64-142	7	0-20	
1,1-Dichloroethene	ND	500.0	539.3	108	519.4	104	52-136	4	0-21	
Ethylbenzene	ND	500.0	530.1	106	522.7	105	77-125	1	0-24	
Toluene	ND	500.0	570.5	114	505.4	101	72-126	12	0-23	
Trichloroethene	ND	500.0	544.5	109	504.5	101	74-128	8	0-22	
Vinyl Chloride	ND	500.0	527.4	105	496.9	99	67-133	6	0-20	
p/m-Xylene	ND	1000	1119	112	1094	109	63-129	2	0-25	
o-Xylene	ND	500.0	564.9	113	557.8	112	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	500.0	517.0	103	504.5	101	68-134	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	2500	2523	101	2571	103	65-143	2	0-30	
Diisopropyl Ether (DIPE)	ND	500.0	526.8	105	515.0	103	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	500.0	529.4	106	514.1	103	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	500.0	524.9	105	499.2	100	67-133	5	0-20	
Ethanol	ND	5000	5608	112	5446	109	34-178	3	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2486	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
GWS2486	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
GWS2486	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	500.0	50.61	101	50.93	102	80-120	
Dibromofluoromethane	500.0	52.80	106	53.22	106	78-126	
1,2-Dichloroethane-d4	500.0	51.52	103	52.16	104	75-135	
Toluene-d8	500.0	53.56	107	48.52	97	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1066-10	**Sample**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 13:44**	**140917S008**
14-09-1066-10	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 14:14**	**140917S008**
14-09-1066-10	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 14:44**	**140917S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	54.18	108	53.09	106	78-120	2	0-20	
Carbon Tetrachloride	ND	50.00	51.85	104	50.62	101	67-139	2	0-20	
Chlorobenzene	ND	50.00	55.64	111	54.26	109	80-120	3	0-20	
1,2-Dibromoethane	ND	50.00	52.26	105	51.79	104	80-123	1	0-20	
1,2-Dichlorobenzene	ND	50.00	53.88	108	53.46	107	76-120	1	0-20	
1,2-Dichloroethane	2.646	50.00	56.52	108	54.60	104	76-130	3	0-20	
1,1-Dichloroethene	ND	50.00	53.54	107	52.77	106	70-130	1	0-27	
Ethylbenzene	ND	50.00	55.14	110	53.74	107	73-127	3	0-20	
Toluene	ND	50.00	53.71	107	52.20	104	72-126	3	0-20	
Trichloroethene	ND	50.00	51.29	103	50.61	101	74-122	1	0-20	
Vinyl Chloride	ND	50.00	60.14	120	60.98	122	65-131	1	0-24	
p/m-Xylene	ND	100.0	111.4	111	109.4	109	70-130	2	0-30	
o-Xylene	ND	50.00	56.34	113	55.59	111	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.48	99	48.17	96	69-123	3	0-20	
Tert-Butyl Alcohol (TBA)	32.32	250.0	296.2	106	298.9	107	65-131	1	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	55.12	110	53.80	108	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	47.68	95	46.51	93	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	47.70	95	47.11	94	70-124	1	0-20	
Ethanol	ND	500.0	581.9	116	559.1	112	41-155	4	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1066-10	**Sample**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 13:44**	**140917S008**
14-09-1066-10	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 14:14**	**140917S008**
14-09-1066-10	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 14:44**	**140917S008**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.29	101	50.06	100	80-120	
Dibromofluoromethane	50.00	52.09	104	51.64	103	80-126	
1,2-Dichloroethane-d4	50.00	50.90	102	49.67	99	80-134	
Toluene-d8	50.00	50.22	100	49.71	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0657-6	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:47**	**140912D01**
14-09-0657-6	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 13:11**	**140912D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	43.96	39.05	12	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2049	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKD3**
FBS2049	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	3.000	3.000	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2049	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910CO2D3**
FBS2049	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910CO2D3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2244	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 10:39**	**140912L01**
099-12-663-2244	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:02**	**140912L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	93.74	92	94.73	93	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4985	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 10:38**	**140911L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.936	99	90-110	
Sulfate	50.00	49.86	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-51	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKB3**
099-15-981-51	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:37**	**E0910ALKB3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4902	**LCS**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	1.020	102	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14476	**LCS**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 17:45**	**140911LA3**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5445	109	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15126	**LCS**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 03:56**	**140911L057**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.96	96	80-120	73-127	
Carbon Tetrachloride	50.00	47.35	95	67-139	55-151	
Chlorobenzene	50.00	48.42	97	78-120	71-127	
1,2-Dibromoethane	50.00	50.10	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.36	95	63-129	52-140	
1,2-Dichloroethane	50.00	48.74	97	70-130	60-140	
1,1-Dichloroethene	50.00	46.04	92	66-126	56-136	
Ethylbenzene	50.00	47.11	94	80-123	73-130	
Toluene	50.00	47.73	95	80-120	73-127	
Trichloroethene	50.00	45.37	91	80-122	73-129	
Vinyl Chloride	50.00	47.81	96	70-130	60-140	
p/m-Xylene	100.0	95.95	96	75-123	67-131	
o-Xylene	50.00	49.68	99	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.21	102	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	243.0	97	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	49.84	100	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.53	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	53.28	107	67-133	56-144	
Ethanol	500.0	407.1	81	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15126	**LCS**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 03:56**	**140911L057**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.46	99	80-120	
Dibromofluoromethane	50.00	48.82	98	78-126	
1,2-Dichloroethane-d4	50.00	49.65	99	75-135	
Toluene-d8	50.00	50.41	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	56.30	113	80-120	73-127	
Carbon Tetrachloride	50.00	55.63	111	67-139	55-151	
Chlorobenzene	50.00	56.91	114	78-120	71-127	
1,2-Dibromoethane	50.00	51.69	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	56.10	112	63-129	52-140	
1,2-Dichloroethane	50.00	54.20	108	70-130	60-140	
1,1-Dichloroethene	50.00	57.12	114	66-126	56-136	
Ethylbenzene	50.00	56.85	114	80-123	73-130	
Toluene	50.00	58.24	116	80-120	73-127	
Trichloroethene	50.00	55.96	112	80-122	73-129	
Vinyl Chloride	50.00	55.43	111	70-130	60-140	
p/m-Xylene	100.0	119.1	119	75-123	67-131	
o-Xylene	50.00	60.71	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.48	103	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	256.2	102	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	54.91	110	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	54.62	109	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.15	104	67-133	56-144	
Ethanol	500.0	534.3	107	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.57	103	80-120	
Dibromofluoromethane	50.00	52.94	106	78-126	
1,2-Dichloroethane-d4	50.00	50.96	102	75-135	
Toluene-d8	50.00	51.43	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15167	**LCS**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 11:28**	**140917L023**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	53.37	107	80-120	73-127	
Carbon Tetrachloride	50.00	50.64	101	67-139	55-151	
Chlorobenzene	50.00	55.84	112	78-120	71-127	
1,2-Dibromoethane	50.00	51.86	104	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.44	109	63-129	52-140	
1,2-Dichloroethane	50.00	51.57	103	70-130	60-140	
1,1-Dichloroethene	50.00	52.75	105	66-126	56-136	
Ethylbenzene	50.00	55.85	112	80-123	73-130	
Toluene	50.00	52.40	105	80-120	73-127	
Trichloroethene	50.00	51.39	103	80-122	73-129	
Vinyl Chloride	50.00	59.10	118	70-130	60-140	
p/m-Xylene	100.0	112.9	113	75-123	67-131	
o-Xylene	50.00	56.41	113	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	46.98	94	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	272.8	109	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	53.77	108	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.71	91	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	46.19	92	67-133	56-144	
Ethanol	500.0	601.8	120	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0756
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15167	**LCS**	**Aqueous**	**GC/MS WW**	**09/17/14**	**09/17/14 11:28**	**140917L023**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.59	103	80-120	
Dibromofluoromethane	50.00	51.41	103	78-126	
1,2-Dichloroethane-d4	50.00	50.49	101	75-135	
Toluene-d8	50.00	49.66	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0756

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	650	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	486	GC/MS T	2
EPA 8260B	EPA 5030C	823	GC/MS Q	2
EPA 8260B	EPA 5030C	905	GC/MS WW	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0756 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB **14-09-0756** COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo

Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

MARK.COLLAR@URS.COM
ERICH.WEAVER@URS.COM
LILY.BAYATI@URS.COM
STEVE.COLE@URS.COM

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2031	9/10/14	0700	AQ	2	HCl	VOA	X											1
GWS2486	9/10/14	0813		3	HCl	VOA	X											2
GWS2440	9/10/14	0923		3	HCl	VOA	X											3
GWS2418	9/10/14	0941		3	HCl	VOA	X											4
GWS2455	9/10/14	1038		3	HCl	VOA	X											5
GWS2478	9/10/14	1143		3	HCl	VOA	X											6
GWS2448	9/10/14	1350		3	HCl	VOA	X											7
GWS2487	9/10/14	1500		3	HCl	VOA	X											8
FBS2048	9/10/14	1535		3	HCl	VOA	X											9
FBS2049	9/10/14	1545		10	various	various	X		X	X	X	X	X	X				10

SAMPLING COMPLETED DATE 9/10/14 TIME 1605

SAMPLING PERFORMED BY Jason Mahn

RESULTS NEEDED NO LATER THAN standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1630	Nicole	9/10/14	1630
Nicole	1630	[signature]	9/10/14	1630
[signature] ECI	1800	[signature] ECI	9/10/14	1800

SHIPPED VIA

TIME SENT

COOLER #

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WORK ORDER #: 14-09-0956

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/10/14

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

Temperature 3.0 °C - 0.3 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: GTS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: GTS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: BCZ

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh (3) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB (2) ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140123B **Labeled/Checked by:** BCZ

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 739

Preservative: **h:** HCL **n:** HNO_3 **na₂:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 739

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0757

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0757

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Work Order Narrative

Work Order: 14-09-0757 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/10/14. They were assigned to Work Order 14-09-0757.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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CASE NARRATIVE

Eurofins Calscience Work Order 14-09-0757

EPA 6010B Metals:

For batch 140911LA3 / 140911SA3, 0.35 mL of spike solution was added to the MS/MSD instead of 0.25 mL. The spike added amount in the MS/MSD has been adjusted accordingly. The associated LCS recovery for this batch was in control.

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0757
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/10/14 18:00
		Number of Containers:	30
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2030	14-09-0757-1	09/10/14 06:55	2	Aqueous
GWS2469	14-09-0757-2	09/10/14 07:53	3	Aqueous
GWS2424	14-09-0757-3	09/10/14 08:39	10	Aqueous
GWS2444	14-09-0757-4	09/10/14 10:32	3	Aqueous
GWS2417	14-09-0757-5	09/10/14 11:50	3	Aqueous
GWS2411	14-09-0757-6	09/10/14 13:45	3	Aqueous
GWS2491	14-09-0757-7	09/10/14 15:05	3	Aqueous
FBS2047	14-09-0757-8	09/10/14 15:35	3	Aqueous

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QC Association Summary

Work Order: 14-09-0757

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2030	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
GWS2469	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2469	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S017	140915L038
GWS2424	EPA 300.0 Anions		N/A	IC 7	140910S02	140910L02
GWS2424	EPA 300.0 Anions	R	N/A	IC 7	140911S01	140911L01
GWS2424	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140911SA3	140911LA3
GWS2424	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S015	140917L042
GWS2424	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S017	140915L038
GWS2424	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2424	SM 2320B Alkalinity		N/A	PH1/BUR03	E0910ALKD2	E0910ALKB2
GWS2424	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0910FES1	E0910FEL1
GWS2424	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0910CO2D2	
GWS2444	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2417	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2411	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
GWS2491	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057
FBS2047	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140911S041	140911L057

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0757
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/10/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2469 (14-09-0757-2)						
Benzene	240		50	ug/L	EPA 8260B	EPA 5030C
Toluene	61	J	24*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	180000	E	1000	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	160000		2500	ug/L	EPA 8260B	EPA 5030C
GWS2424 (14-09-0757-3)						
Sulfate	340	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	280		5.0	mg/L	EPA 300.0	N/A
Manganese	2.37		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	53		12	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	8.7	J	4.3*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	11	J	7.5*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	61000	E	250	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	76000		2500	ug/L	EPA 8260B	EPA 5030C
Methane	6.39		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	672		5.00	mg/L	SM 2320B	N/A
Iron (II)	1.60		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	430		5.0	mg/L	SM4500-CO2D	N/A
GWS2444 (14-09-0757-4)						
Chloroform	12		10	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	3.5	J	2.8*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	14		10	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	93		10	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	330		10	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1700		10	ug/L	EPA 8260B	EPA 5030C
GWS2417 (14-09-0757-5)						
Chloroform	8.6	J	4.6*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	5.6	J	2.8*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	1500		10	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	28		10	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	330		10	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	400		10	ug/L	EPA 8260B	EPA 5030C

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* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0757
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/10/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2411 (14-09-0757-6)						
Benzene	11		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	21		1.0	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	0.27	J	0.17*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	0.88	J	0.48*	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	0.52	J	0.37*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.93	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.58	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	4.0		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	0.74	J	0.36*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	0.99	J	0.30*	ug/L	EPA 8260B	EPA 5030C
Cyclohexane	71		10	ug/L	EPA 8260B	EPA 5030C
GWS2491 (14-09-0757-7)						
Benzene	35		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.31	J	0.25*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.32	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	2.7		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	11		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	0.58	J	0.39*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.57	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	92		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	0.44	J	0.30*	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-D**	**09/10/14 08:39**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 16:57**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	6.39	1.00	0.0400	1.00	

Method Blank	**099-12-663-2244**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:26**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-F**	**09/10/14 08:39**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 21:59**	**140910L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	340	1.0	0.19	1.00	E

GWS2424	**14-09-0757-3-F**	**09/10/14 08:39**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 17:28**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	280	5.0	0.94	5.00	

Method Blank	**099-12-906-4982**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 20:42**	**140910L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4985**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 10:23**	**140911L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-H**	**09/10/14 08:39**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	672	5.00	0.848	1.00	

Method Blank	**099-15-859-458**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-G**	**09/10/14 08:39**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	1.60	0.100	0.0413	1.00	

Method Blank	**099-05-111-4902**	**N/A**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-H**	**09/10/14 08:39**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	430	5.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-J**	**09/10/14 08:39**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:02**	**140911LA3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	2.37	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14476**	**N/A**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 17:43**	**140911LA3**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2030	**14-09-0757-1-A**	**09/10/14 06:55**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 06:32**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2469	**14-09-0757-2-B**	**09/10/14 07:53**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 16:02**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2000	1000	100	
Benzene	240	50	14	100	
Bromobenzene	ND	100	30	100	
Bromochloromethane	ND	100	48	100	
Bromodichloromethane	ND	100	21	100	
Bromoform	ND	100	50	100	
Bromomethane	ND	1000	390	100	
2-Butanone	ND	1000	220	100	
n-Butylbenzene	ND	100	23	100	
sec-Butylbenzene	ND	100	25	100	
tert-Butylbenzene	ND	100	28	100	
Carbon Disulfide	ND	1000	41	100	
Carbon Tetrachloride	ND	50	23	100	
Chlorobenzene	ND	100	17	100	
Chloroethane	ND	500	230	100	
Chloroform	ND	100	46	100	
Chloromethane	ND	1000	180	100	
2-Chlorotoluene	ND	100	24	100	
4-Chlorotoluene	ND	100	13	100	
Dibromochloromethane	ND	100	25	100	
1,2-Dibromo-3-Chloropropane	ND	500	120	100	
1,2-Dibromoethane	ND	100	36	100	
Dibromomethane	ND	100	46	100	
1,2-Dichlorobenzene	ND	100	46	100	
1,3-Dichlorobenzene	ND	100	40	100	
1,4-Dichlorobenzene	ND	100	43	100	
Dichlorodifluoromethane	ND	100	46	100	
1,1-Dichloroethane	ND	100	28	100	
1,2-Dichloroethane	ND	50	24	100	
1,1-Dichloroethene	ND	100	43	100	
c-1,2-Dichloroethene	ND	100	48	100	
t-1,2-Dichloroethene	ND	100	37	100	
1,2-Dichloropropane	ND	100	42	100	
1,3-Dichloropropane	ND	100	30	100	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	100	36	100	
1,1-Dichloropropene	ND	100	46	100	
c-1,3-Dichloropropene	ND	50	25	100	
t-1,3-Dichloropropene	ND	50	25	100	
Ethylbenzene	ND	100	14	100	
2-Hexanone	ND	1000	210	100	
Isopropylbenzene	ND	100	58	100	
p-Isopropyltoluene	ND	100	16	100	
Methylene Chloride	ND	1000	64	100	
4-Methyl-2-Pentanone	ND	1000	440	100	
Naphthalene	ND	1000	250	100	
n-Propylbenzene	ND	100	17	100	
Styrene	ND	100	17	100	
1,1,1,2-Tetrachloroethane	ND	100	40	100	
1,1,2,2-Tetrachloroethane	ND	100	41	100	
Tetrachloroethene	ND	100	39	100	
Toluene	61	100	24	100	J
1,2,3-Trichlorobenzene	ND	100	51	100	
1,2,4-Trichlorobenzene	ND	100	50	100	
1,1,1-Trichloroethane	ND	100	30	100	
1,1,2-Trichloroethane	ND	100	38	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	78	100	
Trichloroethene	ND	100	37	100	
1,2,3-Trichloropropane	ND	500	64	100	
1,2,4-Trimethylbenzene	ND	100	36	100	
Trichlorofluoromethane	ND	1000	170	100	
1,3,5-Trimethylbenzene	ND	100	28	100	
Vinyl Acetate	ND	1000	280	100	
Vinyl Chloride	ND	50	30	100	
p/m-Xylene	ND	100	30	100	
o-Xylene	ND	100	23	100	
Methyl-t-Butyl Ether (MTBE)	ND	100	31	100	
Tert-Butyl Alcohol (TBA)	180000	1000	460	100	E
Diisopropyl Ether (DIPE)	ND	200	33	100	
Ethyl-t-Butyl Ether (ETBE)	ND	200	44	100	
Tert-Amyl-Methyl Ether (TAME)	ND	200	22	100	
Ethanol	ND	10000	5000	100	
Cyclohexane	ND	1000	350	100	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	103	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2469	**14-09-0757-2-C**	**09/10/14 07:53**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 20:03**	**140915L038**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tert-Butyl Alcohol (TBA)	160000	2500	1100	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	95	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	92	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-B**	**09/10/14 08:39**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 10:36**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	500	250	25.0	
Benzene	53	12	3.5	25.0	
Bromobenzene	ND	25	7.6	25.0	
Bromochloromethane	ND	25	12	25.0	
Bromodichloromethane	ND	25	5.2	25.0	
Bromoform	ND	25	13	25.0	
Bromomethane	ND	250	97	25.0	
2-Butanone	ND	250	55	25.0	
n-Butylbenzene	ND	25	5.7	25.0	
sec-Butylbenzene	ND	25	6.1	25.0	
tert-Butylbenzene	ND	25	6.9	25.0	
Carbon Disulfide	ND	250	10	25.0	
Carbon Tetrachloride	ND	12	5.6	25.0	
Chlorobenzene	8.7	25	4.3	25.0	J
Chloroethane	ND	120	57	25.0	
Chloroform	ND	25	12	25.0	
Chloromethane	ND	250	44	25.0	
2-Chlorotoluene	ND	25	6.0	25.0	
4-Chlorotoluene	ND	25	3.3	25.0	
Dibromochloromethane	ND	25	6.2	25.0	
1,2-Dibromo-3-Chloropropane	ND	120	31	25.0	
1,2-Dibromoethane	ND	25	9.0	25.0	
Dibromomethane	ND	25	12	25.0	
1,2-Dichlorobenzene	ND	25	11	25.0	
1,3-Dichlorobenzene	ND	25	10	25.0	
1,4-Dichlorobenzene	ND	25	11	25.0	
Dichlorodifluoromethane	ND	25	11	25.0	
1,1-Dichloroethane	ND	25	7.0	25.0	
1,2-Dichloroethane	ND	12	6.0	25.0	
1,1-Dichloroethene	ND	25	11	25.0	
c-1,2-Dichloroethene	ND	25	12	25.0	
t-1,2-Dichloroethene	ND	25	9.2	25.0	
1,2-Dichloropropane	ND	25	11	25.0	
1,3-Dichloropropane	ND	25	7.6	25.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	25	9.1	25.0	
1,1-Dichloropropene	ND	25	12	25.0	
c-1,3-Dichloropropene	ND	12	6.1	25.0	
t-1,3-Dichloropropene	ND	12	6.4	25.0	
Ethylbenzene	ND	25	3.5	25.0	
2-Hexanone	ND	250	52	25.0	
Isopropylbenzene	ND	25	15	25.0	
p-Isopropyltoluene	ND	25	3.9	25.0	
Methylene Chloride	ND	250	16	25.0	
4-Methyl-2-Pentanone	ND	250	110	25.0	
Naphthalene	ND	250	62	25.0	
n-Propylbenzene	ND	25	4.3	25.0	
Styrene	ND	25	4.3	25.0	
1,1,1,2-Tetrachloroethane	ND	25	10	25.0	
1,1,2,2-Tetrachloroethane	ND	25	10	25.0	
Tetrachloroethene	ND	25	9.7	25.0	
Toluene	ND	25	5.9	25.0	
1,2,3-Trichlorobenzene	ND	25	13	25.0	
1,2,4-Trichlorobenzene	ND	25	12	25.0	
1,1,1-Trichloroethane	ND	25	7.6	25.0	
1,1,2-Trichloroethane	ND	25	9.6	25.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	20	25.0	
Trichloroethene	ND	25	9.2	25.0	
1,2,3-Trichloropropane	ND	120	16	25.0	
1,2,4-Trimethylbenzene	ND	25	9.0	25.0	
Trichlorofluoromethane	ND	250	41	25.0	
1,3,5-Trimethylbenzene	ND	25	7.1	25.0	
Vinyl Acetate	ND	250	70	25.0	
Vinyl Chloride	ND	12	7.5	25.0	
p/m-Xylene	11	25	7.5	25.0	J
o-Xylene	ND	25	5.7	25.0	
Methyl-t-Butyl Ether (MTBE)	ND	25	7.7	25.0	
Tert-Butyl Alcohol (TBA)	61000	250	110	25.0	E
Diisopropyl Ether (DIPE)	ND	50	8.3	25.0	
Ethyl-t-Butyl Ether (ETBE)	ND	50	11	25.0	
Tert-Amyl-Methyl Ether (TAME)	ND	50	5.5	25.0	
Ethanol	ND	2500	1200	25.0	
Cyclohexane	ND	250	86	25.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	97	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2424	**14-09-0757-3-C**	**09/10/14 08:39**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 20:31**	**140915L038**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tert-Butyl Alcohol (TBA)	76000	2500	1100	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2444	**14-09-0757-4-B**	**09/10/14 10:32**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 16:58**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	ND	5.0	1.4	10.0	
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	12	10	4.6	10.0	
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	3.5	10	2.8	10.0	J
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	14	10	4.3	10.0	
c-1,2-Dichloroethene	93	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	ND	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	ND	10	1.7	10.0	
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	330	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	1700	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2417	**14-09-0757-5-B**	**09/10/14 11:50**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 17:26**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	ND	5.0	1.4	10.0	
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	8.6	10	4.6	10.0	J
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	5.6	10	2.8	10.0	J
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	ND	10	4.3	10.0	
c-1,2-Dichloroethene	1500	10	4.8	10.0	
t-1,2-Dichloroethene	28	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	ND	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	ND	10	1.7	10.0	
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	330	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	400	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2411	**14-09-0757-6-A**	**09/10/14 13:45**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 08:43**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	11	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	21	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	0.27	1.0	0.17	1.00	J
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	0.88	1.0	0.48	1.00	J
t-1,2-Dichloroethene	0.52	1.0	0.37	1.00	J
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.93	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.58	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	4.0	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	0.74	1.0	0.36	1.00	J
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	0.99	1.0	0.30	1.00	J
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	71	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2491	**14-09-0757-7-A**	**09/10/14 15:05**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 09:10**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	35	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.31	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	0.32	1.0	0.28	1.00	J
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	2.7	1.0	0.43	1.00	
c-1,2-Dichloroethene	11	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	0.58	1.0	0.39	1.00	J
Toluene	0.57	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	92	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	0.44	0.50	0.30	1.00	J
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2047	**14-09-0757-8-A**	**09/10/14 15:35**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 06:58**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15126**	**N/A**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 04:48**	**140911L057**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15129**	**N/A**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 11:16**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	102	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15160**	**N/A**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 17:43**	**140915L038**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15172**	**N/A**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 00:39**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 25 of 26

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 26 of 26

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	99	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0744-1	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 22:46**	**140910S02**
14-09-0744-1	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 23:16**	**140910S02**
14-09-0744-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 23:32**	**140910S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	11.62	500.0	509.7	100	509.2	100	80-120	0	0-20	
Sulfate	230.3	5000	5164	99	5156	99	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0755-13	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:08**	**140911S01**
14-09-0755-13	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:23**	**140911S01**
14-09-0755-13	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 15:39**	**140911S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	162.8	5000	5053	98	5053	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2424	**Sample**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**
GWS2424	**Matrix Spike**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**
GWS2424	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	1.600	1.000	2.480	88	2.600	100	70-130	5	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2424	**Sample**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:02**	**140911SA3**
GWS2424	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:04**	**140911SA3**
GWS2424	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 18:05**	**140911SA3**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	2.371	0.7000	3.078	101	2.871	71	86-116	7	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:25**	**140911S041**
14-09-0756-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:08**	**140911S041**
14-09-0756-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:35**	**140911S041**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	2.138	50.00	48.33	92	48.88	93	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	47.64	95	49.70	99	60-144	4	0-21	
Chlorobenzene	ND	50.00	47.01	94	48.06	96	73-120	2	0-22	
1,2-Dibromoethane	ND	50.00	48.40	97	49.44	99	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	46.33	93	47.61	95	70-120	3	0-26	
1,2-Dichloroethane	ND	50.00	48.16	96	49.05	98	64-142	2	0-20	
1,1-Dichloroethene	ND	50.00	45.50	91	45.71	91	52-136	0	0-21	
Ethylbenzene	ND	50.00	45.58	91	46.41	93	77-125	2	0-24	
Toluene	ND	50.00	45.75	91	46.79	94	72-126	2	0-23	
Trichloroethene	ND	50.00	43.36	87	43.75	87	74-128	1	0-22	
Vinyl Chloride	ND	50.00	47.42	95	48.61	97	67-133	2	0-20	
p/m-Xylene	ND	100.0	92.58	93	94.60	95	63-129	2	0-25	
o-Xylene	ND	50.00	47.54	95	48.53	97	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.10	98	50.84	102	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	269.0	108	253.8	102	65-143	6	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	49.95	100	50.78	102	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.76	100	51.39	103	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.30	97	49.90	100	67-133	3	0-20	
Ethanol	ND	500.0	519.4	104	441.3	88	34-178	16	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-3	**Sample**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 07:25**	**140911S041**
14-09-0756-3	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:08**	**140911S041**
14-09-0756-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 13:35**	**140911S041**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.00	100	49.00	98	80-120	
Dibromofluoromethane	50.00	49.70	99	49.83	100	78-126	
1,2-Dichloroethane-d4	50.00	50.49	101	50.69	101	75-135	
Toluene-d8	50.00	50.45	101	49.54	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-2	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
14-09-0756-2	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
14-09-0756-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	10.86	500.0	550.6	108	519.6	102	74-122	6	0-21	
Carbon Tetrachloride	ND	500.0	471.8	94	504.1	101	60-144	7	0-21	
Chlorobenzene	1945	500.0	2420	95	2415	94	73-120	0	0-22	
1,2-Dibromoethane	ND	500.0	515.6	103	506.3	101	80-122	2	0-20	
1,2-Dichlorobenzene	ND	500.0	523.8	105	515.7	103	70-120	2	0-26	
1,2-Dichloroethane	ND	500.0	548.6	110	510.9	102	64-142	7	0-20	
1,1-Dichloroethene	ND	500.0	539.3	108	519.4	104	52-136	4	0-21	
Ethylbenzene	ND	500.0	530.1	106	522.7	105	77-125	1	0-24	
Toluene	ND	500.0	570.5	114	505.4	101	72-126	12	0-23	
Trichloroethene	ND	500.0	544.5	109	504.5	101	74-128	8	0-22	
Vinyl Chloride	ND	500.0	527.4	105	496.9	99	67-133	6	0-20	
p/m-Xylene	ND	1000	1119	112	1094	109	63-129	2	0-25	
o-Xylene	ND	500.0	564.9	113	557.8	112	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	500.0	517.0	103	504.5	101	68-134	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	2500	2523	101	2571	103	65-143	2	0-30	
Diisopropyl Ether (DIPE)	ND	500.0	526.8	105	515.0	103	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	500.0	529.4	106	514.1	103	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	500.0	524.9	105	499.2	100	67-133	5	0-20	
Ethanol	ND	5000	5608	112	5446	109	34-178	3	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-2	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
14-09-0756-2	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
14-09-0756-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	500.0	50.61	101	50.93	102	80-120	
Dibromofluoromethane	500.0	52.80	106	53.22	106	78-126	
1,2-Dichloroethane-d4	500.0	51.52	103	52.16	104	75-135	
Toluene-d8	500.0	53.56	107	48.52	97	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0712-1	**Sample**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 18:40**	**140915S017**
14-09-0712-1	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 19:08**	**140915S017**
14-09-0712-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 19:35**	**140915S017**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	43.60	87	46.04	92	40-140	5	0-20	
Benzene	ND	50.00	54.16	108	52.11	104	80-120	4	0-20	
Bromobenzene	ND	50.00	51.70	103	51.36	103	75-125	1	0-20	
Bromochloromethane	ND	50.00	52.88	106	54.71	109	65-135	3	0-20	
Bromodichloromethane	ND	50.00	24.55	49	21.40	43	75-120	14	0-20	3
Bromoform	ND	50.00	2.688	5	1.466	3	70-130	59	0-20	3,4
Bromomethane	ND	50.00	63.23	126	59.16	118	30-145	7	0-20	
2-Butanone	ND	50.00	46.16	92	47.73	95	30-150	3	0-20	
n-Butylbenzene	ND	50.00	54.53	109	53.48	107	70-135	2	0-20	
sec-Butylbenzene	ND	50.00	55.89	112	55.10	110	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	55.46	111	54.65	109	70-130	1	0-20	
Carbon Disulfide	ND	50.00	45.76	92	46.17	92	35-160	1	0-20	
Carbon Tetrachloride	ND	50.00	41.05	82	41.97	84	65-140	2	0-20	
Chlorobenzene	ND	50.00	53.64	107	53.45	107	80-120	0	0-20	
Chloroethane	ND	50.00	43.85	88	50.50	101	60-135	14	0-20	
Chloroform	ND	50.00	51.16	102	52.30	105	65-135	2	0-20	
Chloromethane	ND	50.00	39.72	79	47.65	95	40-125	18	0-20	
2-Chlorotoluene	ND	50.00	56.01	112	55.63	111	75-125	1	0-20	
4-Chlorotoluene	ND	50.00	53.17	106	51.95	104	75-130	2	0-20	
Dibromochloromethane	ND	50.00	9.076	18	7.377	15	60-135	21	0-20	3,4
1,2-Dibromo-3-Chloropropane	ND	50.00	43.34	87	43.89	88	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	50.53	101	50.79	102	80-120	1	0-20	
Dibromomethane	ND	50.00	57.02	114	56.08	112	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	52.85	106	52.45	105	70-120	1	0-20	
1,3-Dichlorobenzene	ND	50.00	52.99	106	52.52	105	75-125	1	0-20	
1,4-Dichlorobenzene	ND	50.00	49.08	98	48.88	98	75-125	0	0-20	
Dichlorodifluoromethane	ND	50.00	48.38	97	56.48	113	30-155	15	0-20	
1,1-Dichloroethane	ND	50.00	49.99	100	50.34	101	70-135	1	0-20	
1,2-Dichloroethane	ND	50.00	53.64	107	52.57	105	70-130	2	0-20	
1,1-Dichloroethene	ND	50.00	51.50	103	52.39	105	70-130	2	0-20	
c-1,2-Dichloroethene	ND	50.00	52.49	105	52.93	106	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	52.90	106	53.44	107	60-140	1	0-20	
1,2-Dichloropropane	ND	50.00	51.52	103	50.18	100	75-125	3	0-20	
1,3-Dichloropropane	ND	50.00	50.60	101	50.79	102	75-125	0	0-20	
2,2-Dichloropropane	ND	50.00	46.40	93	46.91	94	70-135	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 14

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	52.59	105	53.44	107	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	44.67	89	43.95	88	70-130	2	0-20	
t-1,3-Dichloropropene	ND	50.00	35.92	72	37.51	75	55-140	4	0-20	
Ethylbenzene	ND	50.00	53.64	107	52.96	106	75-125	1	0-20	
2-Hexanone	ND	50.00	47.67	95	47.85	96	55-130	0	0-20	
Isopropylbenzene	ND	50.00	56.80	114	56.24	112	75-125	1	0-20	
p-Isopropyltoluene	ND	50.00	50.77	102	50.32	101	75-130	1	0-20	
Methylene Chloride	ND	50.00	52.40	105	53.86	108	55-140	3	0-20	
4-Methyl-2-Pentanone	ND	50.00	51.80	104	50.89	102	60-135	2	0-20	
Naphthalene	ND	50.00	50.29	101	51.38	103	55-140	2	0-20	
n-Propylbenzene	ND	50.00	56.37	113	55.75	111	70-130	1	0-20	
Styrene	ND	50.00	53.16	106	52.98	106	65-135	0	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	47.13	94	47.63	95	80-130	1	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.51	97	49.24	98	65-130	1	0-20	
Tetrachloroethene	ND	50.00	55.64	111	54.76	110	45-150	2	0-20	
Toluene	ND	50.00	52.93	106	50.45	101	75-120	5	0-20	
1,2,3-Trichlorobenzene	ND	50.00	51.59	103	52.08	104	55-140	1	0-20	
1,2,4-Trichlorobenzene	ND	50.00	51.53	103	51.86	104	65-135	1	0-20	
1,1,1-Trichloroethane	ND	50.00	50.40	101	51.85	104	65-130	3	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	50.31	101	51.17	102	80-130	2	0-20	
1,1,2-Trichloroethane	ND	50.00	51.02	102	51.60	103	75-125	1	0-20	
Trichloroethene	ND	50.00	51.85	104	49.92	100	70-125	4	0-20	
Trichlorofluoromethane	ND	50.00	44.27	89	50.82	102	60-145	14	0-20	
1,2,3-Trichloropropane	ND	50.00	41.59	83	40.10	80	75-125	4	0-20	
1,2,4-Trimethylbenzene	ND	50.00	54.16	108	53.29	107	75-130	2	0-20	
1,3,5-Trimethylbenzene	ND	50.00	57.66	115	57.21	114	75-130	1	0-20	
Vinyl Acetate	ND	50.00	48.89	98	50.63	101	80-120	4	0-20	
Vinyl Chloride	ND	50.00	44.10	88	51.54	103	50-145	16	0-20	
p/m-Xylene	ND	100.0	113.8	114	113.0	113	75-130	1	0-20	
o-Xylene	ND	50.00	58.96	118	59.10	118	80-120	0	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	48.63	97	50.65	101	65-125	4	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	271.2	108	281.1	112	46-154	4	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	50.11	100	50.80	102	81-123	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.23	98	50.01	100	74-122	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	52.47	105	51.82	104	76-124	1	0-20	
Ethanol	ND	500.0	545.7	109	548.0	110	60-138	0	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0712-1	**Sample**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 18:40**	**140915S017**
14-09-0712-1	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 19:08**	**140915S017**
14-09-0712-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 19:35**	**140915S017**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.88	102	51.01	102	75-120	
Dibromofluoromethane	50.00	49.86	100	51.02	102	85-115	
1,2-Dichloroethane-d4	50.00	51.48	103	53.03	106	70-120	
Toluene-d8	50.00	51.29	103	49.34	99	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	38.01	76	35.67	71	40-140	6	0-20	
Benzene	ND	50.00	48.40	97	49.06	98	80-120	1	0-20	
Bromobenzene	ND	50.00	54.32	109	52.95	106	75-125	3	0-20	
Bromochloromethane	ND	50.00	50.21	100	50.35	101	65-135	0	0-20	
Bromodichloromethane	ND	50.00	57.73	115	57.82	116	75-120	0	0-20	
Bromoform	ND	50.00	57.61	115	58.62	117	70-130	2	0-20	
Bromomethane	ND	50.00	62.23	124	54.73	109	30-145	13	0-20	
2-Butanone	ND	50.00	40.88	82	40.75	82	30-150	0	0-20	
n-Butylbenzene	ND	50.00	49.73	99	49.52	99	70-135	0	0-20	
sec-Butylbenzene	ND	50.00	51.66	103	52.08	104	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	53.52	107	53.59	107	70-130	0	0-20	
Carbon Disulfide	ND	50.00	41.48	83	42.53	85	35-160	2	0-20	
Carbon Tetrachloride	ND	50.00	52.57	105	53.61	107	65-140	2	0-20	
Chlorobenzene	ND	50.00	52.17	104	51.57	103	80-120	1	0-20	
Chloroethane	ND	50.00	45.40	91	53.16	106	60-135	16	0-20	
Chloroform	ND	50.00	50.41	101	50.10	100	65-135	1	0-20	
Chloromethane	ND	50.00	44.78	90	53.11	106	40-125	17	0-20	
2-Chlorotoluene	ND	50.00	54.46	109	53.33	107	75-125	2	0-20	
4-Chlorotoluene	ND	50.00	50.22	100	49.99	100	75-130	0	0-20	
Dibromochloromethane	ND	50.00	60.84	122	59.93	120	60-135	2	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	50.98	102	51.66	103	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	54.00	108	51.99	104	80-120	4	0-20	
Dibromomethane	ND	50.00	53.43	107	54.50	109	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	52.89	106	52.48	105	70-120	1	0-20	
1,3-Dichlorobenzene	ND	50.00	51.28	103	51.04	102	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	47.91	96	47.15	94	75-125	2	0-20	
Dichlorodifluoromethane	ND	50.00	62.43	125	63.92	128	30-155	2	0-20	
1,1-Dichloroethane	ND	50.00	45.26	91	45.24	90	70-135	0	0-20	
1,2-Dichloroethane	ND	50.00	56.33	113	55.72	111	70-130	1	0-20	
1,1-Dichloroethene	ND	50.00	47.75	96	48.33	97	70-130	1	0-20	
c-1,2-Dichloroethene	ND	50.00	51.24	102	51.81	104	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	47.84	96	47.12	94	60-140	2	0-20	
1,2-Dichloropropane	ND	50.00	48.38	97	48.46	97	75-125	0	0-20	
1,3-Dichloropropane	ND	50.00	50.51	101	49.48	99	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	42.87	86	44.09	88	70-135	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 13 of 14

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	47.95	96	48.93	98	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	53.53	107	54.05	108	70-130	1	0-20	
t-1,3-Dichloropropene	ND	50.00	43.22	86	43.40	87	55-140	0	0-20	
Ethylbenzene	ND	50.00	51.61	103	51.20	102	75-125	1	0-20	
2-Hexanone	ND	50.00	45.45	91	46.91	94	55-130	3	0-20	
Isopropylbenzene	ND	50.00	55.13	110	54.65	109	75-125	1	0-20	
p-Isopropyltoluene	ND	50.00	46.55	93	46.32	93	75-130	0	0-20	
Methylene Chloride	ND	50.00	48.95	98	50.82	102	55-140	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.36	99	49.87	100	60-135	1	0-20	
Naphthalene	ND	50.00	48.85	98	46.43	93	55-140	5	0-20	
n-Propylbenzene	ND	50.00	51.90	104	50.86	102	70-130	2	0-20	
Styrene	ND	50.00	44.49	89	37.77	76	65-135	16	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	55.79	112	55.31	111	80-130	1	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.35	97	48.18	96	65-130	0	0-20	
Tetrachloroethene	ND	50.00	47.74	95	47.23	94	45-150	1	0-20	
Toluene	ND	50.00	50.86	102	50.74	101	75-120	0	0-20	
1,2,3-Trichlorobenzene	ND	50.00	53.52	107	52.19	104	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	50.43	101	49.09	98	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.62	105	52.46	105	65-130	0	0-20	
1,1,2-Trichloroethane	ND	50.00	47.78	96	47.47	95	75-125	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	47.99	96	49.76	100	80-130	4	0-20	
Trichloroethene	ND	50.00	50.70	101	50.83	102	70-125	0	0-20	
1,2,3-Trichloropropane	ND	50.00	55.63	111	52.45	105	75-125	6	0-20	
1,2,4-Trimethylbenzene	ND	50.00	47.58	95	44.33	89	75-130	7	0-20	
Trichlorofluoromethane	ND	50.00	53.77	108	53.96	108	60-145	0	0-20	
1,3,5-Trimethylbenzene	ND	50.00	54.64	109	53.42	107	75-130	2	0-20	
Vinyl Acetate	ND	50.00	34.97	70	35.96	72	80-120	3	0-20	3
Vinyl Chloride	ND	50.00	46.12	92	52.66	105	50-145	13	0-20	
p/m-Xylene	ND	100.0	105.5	105	103.7	104	75-130	2	0-20	
o-Xylene	ND	50.00	56.79	114	55.62	111	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.08	100	49.00	98	65-125	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	294.5	118	255.3	102	46-154	14	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	46.10	92	46.06	92	81-123	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.45	99	49.21	98	74-122	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.53	101	50.75	101	76-124	0	0-20	
Ethanol	ND	500.0	549.8	110	587.3	117	60-138	7	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.33	105	51.69	103	75-120	
Dibromofluoromethane	50.00	47.86	96	48.55	97	85-115	
1,2-Dichloroethane-d4	50.00	51.04	102	49.99	100	70-120	
Toluene-d8	50.00	51.02	102	50.63	101	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0657-6	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:47**	**140912D01**
14-09-0657-6	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 13:11**	**140912D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	43.96	39.05	12	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2424	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKD2**
GWS2424	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	672.0	670.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2424	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910CO2D2**
GWS2424	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910CO2D2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	434.9	454.1	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2244	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 10:39**	**140912L01**
099-12-663-2244	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:02**	**140912L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	93.74	92	94.73	93	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4982	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 20:58**	**140910L02**
099-12-906-4982	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/10/14 21:13**	**140910L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	5.000	4.922	98	4.921	98	90-110	0	0-15	
Sulfate	50.00	49.87	100	49.78	100	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4985	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/11/14 10:38**	**140911L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	50.00	49.86	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-458	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKB2**
099-15-859-458	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/10/14 19:04**	**E0910ALKB2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	97.00	97	97.00	97	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4902	**LCS**	**Aqueous**	**UV 9**	**09/10/14**	**09/10/14 20:38**	**E0910FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	1.020	102	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14476	**LCS**	**Aqueous**	**ICP 7300**	**09/11/14**	**09/19/14 17:45**	**140911LA3**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5445	109	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15126	**LCS**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 03:56**	**140911L057**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.96	96	80-120	73-127	
Carbon Tetrachloride	50.00	47.35	95	67-139	55-151	
Chlorobenzene	50.00	48.42	97	78-120	71-127	
1,2-Dibromoethane	50.00	50.10	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.36	95	63-129	52-140	
1,2-Dichloroethane	50.00	48.74	97	70-130	60-140	
1,1-Dichloroethene	50.00	46.04	92	66-126	56-136	
Ethylbenzene	50.00	47.11	94	80-123	73-130	
Toluene	50.00	47.73	95	80-120	73-127	
Trichloroethene	50.00	45.37	91	80-122	73-129	
Vinyl Chloride	50.00	47.81	96	70-130	60-140	
p/m-Xylene	100.0	95.95	96	75-123	67-131	
o-Xylene	50.00	49.68	99	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.21	102	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	243.0	97	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	49.84	100	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.53	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	53.28	107	67-133	56-144	
Ethanol	500.0	407.1	81	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15126	**LCS**	**Aqueous**	**GC/MS Q**	**09/11/14**	**09/12/14 03:56**	**140911L057**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.46	99	80-120	
Dibromofluoromethane	50.00	48.82	98	78-126	
1,2-Dichloroethane-d4	50.00	49.65	99	75-135	
Toluene-d8	50.00	50.41	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	56.30	113	80-120	73-127	
Carbon Tetrachloride	50.00	55.63	111	67-139	55-151	
Chlorobenzene	50.00	56.91	114	78-120	71-127	
1,2-Dibromoethane	50.00	51.69	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	56.10	112	63-129	52-140	
1,2-Dichloroethane	50.00	54.20	108	70-130	60-140	
1,1-Dichloroethene	50.00	57.12	114	66-126	56-136	
Ethylbenzene	50.00	56.85	114	80-123	73-130	
Toluene	50.00	58.24	116	80-120	73-127	
Trichloroethene	50.00	55.96	112	80-122	73-129	
Vinyl Chloride	50.00	55.43	111	70-130	60-140	
p/m-Xylene	100.0	119.1	119	75-123	67-131	
o-Xylene	50.00	60.71	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.48	103	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	256.2	102	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	54.91	110	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	54.62	109	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.15	104	67-133	56-144	
Ethanol	500.0	534.3	107	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.57	103	80-120	
Dibromofluoromethane	50.00	52.94	106	78-126	
1,2-Dichloroethane-d4	50.00	50.96	102	75-135	
Toluene-d8	50.00	51.43	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15160	**LCS**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 16:41**	**140915L038**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.28	105	80-120	73-127	
Carbon Tetrachloride	50.00	52.42	105	67-139	55-151	
Chlorobenzene	50.00	53.75	108	78-120	71-127	
1,2-Dibromoethane	50.00	51.88	104	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.15	106	63-129	52-140	
1,2-Dichloroethane	50.00	52.32	105	70-130	60-140	
1,1-Dichloroethene	50.00	53.45	107	66-126	56-136	
Ethylbenzene	50.00	53.10	106	80-123	73-130	
Toluene	50.00	52.77	106	80-120	73-127	
Trichloroethene	50.00	49.90	100	80-122	73-129	
Vinyl Chloride	50.00	52.96	106	70-130	60-140	
p/m-Xylene	100.0	112.7	113	75-123	67-131	
o-Xylene	50.00	58.57	117	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	52.11	104	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	258.5	103	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	52.67	105	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	53.56	107	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.26	105	67-133	56-144	
Ethanol	500.0	537.5	108	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15160	**LCS**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/15/14 16:41**	**140915L038**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.03	104	80-120	
Dibromofluoromethane	50.00	50.00	100	78-126	
1,2-Dichloroethane-d4	50.00	52.21	104	75-135	
Toluene-d8	50.00	50.67	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.58	105	80-120	73-127	
Carbon Tetrachloride	50.00	57.07	114	67-139	55-151	
Chlorobenzene	50.00	54.29	109	78-120	71-127	
1,2-Dibromoethane	50.00	51.40	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.77	108	63-129	52-140	
1,2-Dichloroethane	50.00	55.01	110	70-130	60-140	
1,1-Dichloroethene	50.00	55.39	111	66-126	56-136	
Ethylbenzene	50.00	56.37	113	80-123	73-130	
Toluene	50.00	55.62	111	80-120	73-127	
Trichloroethene	50.00	55.81	112	80-122	73-129	
Vinyl Chloride	50.00	59.23	118	70-130	60-140	
p/m-Xylene	100.0	115.4	115	75-123	67-131	
o-Xylene	50.00	60.33	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.79	100	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	269.4	108	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	46.16	92	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.23	96	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.64	101	67-133	56-144	
Ethanol	500.0	477.8	96	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/10/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0757
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.46	103	80-120	
Dibromofluoromethane	50.00	47.55	95	78-126	
1,2-Dichloroethane-d4	50.00	48.14	96	75-135	
Toluene-d8	50.00	51.23	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0757

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	650	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	486	GC/MS T	2
EPA 8260B	EPA 5030C	796	GC/MS Z	2
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0757

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB **14-09-0757** COC 1 of 1

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo
Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com
MARK.COLLAR@URS.COM
ERICH.WEAVER@URS.COM
LILY.BAYATI@URS.COM
STEVE.COVE@URS.COM

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2030	9/10/14	0655	AQ	2	HCl	VOA	X											1
GWS2469		0753		3	HCl	VOA	X											2
GWS2424		0839		10	Various	Various	X		X	X	X	X	X	X				3
GWS2444		1032		3	HCl	VOA	X											4
GWS2417		1150		3	HCl	VOA	X											5
GWS2411		1345		3	HCl	VOA	X											6
GWS2491		1505		3	HCl	VOA	X											7
FBS2017		1535		3	HCl	VOA	X											8

SAMPLING COMPLETED DATE 9/10/14 TIME 1545 SAMPLING PERFORMED BY Nicholas King

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Nicholas King	1620	Nicole	9/10/14	1620
Nicole	1630	Aly Mays	9/10/14	1630
Aly Mays ECI	1800	Blaine ECI	9/10/14	1800

SHIPPED VIA | TIME SENT | COOLER #

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WORK ORDER #: 14-09-0752

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/10/14

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

Temperature 3.0 °C - 0.3 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 739

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140523A **Labeled/Checked by:** 739

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

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** SUL

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0919

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo Superfund / 29500829.05

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0919

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/11/14. They were assigned to Work Order 14-09-0919.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0919
		Project Name:	Del Amo Superfund / 29500829.05
		PO Number:	
		Date/Time Received:	09/11/14 18:18
		Number of Containers:	50
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2033	14-09-0919-1	09/11/14 07:00	2	Aqueous
GWS2451	14-09-0919-2	09/11/14 07:57	3	Aqueous
GWS2413	14-09-0919-3	09/11/14 08:57	3	Aqueous
GWS2463	14-09-0919-4	09/11/14 10:00	3	Aqueous
GWS2466	14-09-0919-5	09/11/14 10:53	10	Aqueous
GWS2498	14-09-0919-6	09/11/14 10:58	10	Aqueous
GWS2426	14-09-0919-7	09/11/14 14:05	3	Aqueous
GWS2495	14-09-0919-8	09/11/14 14:10	3	Aqueous
GWS2420	14-09-0919-9	09/11/14 15:03	3	Aqueous
FBS2050	14-09-0919-10	09/11/14 15:40	10	Aqueous

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QC Association Summary

Work Order: 14-09-0919

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2033	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2451	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2451	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
GWS2413	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140915S022	140915L039
GWS2463	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2466	EPA 300.0 Anions		N/A	IC 7	140911S03	140911L03
GWS2466	EPA 300.0 Anions	R	N/A	IC 7	*1	140913L02
GWS2466	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
GWS2466	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2466	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
GWS2466	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2466	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD4	E0911ALKB4
GWS2466	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
GWS2466	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D4	
GWS2498	EPA 300.0 Anions		N/A	IC 7	140911S03	140911L03
GWS2498	EPA 300.0 Anions	R	N/A	IC 7	*1	140913L02
GWS2498	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
GWS2498	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2498	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
GWS2498	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
GWS2498	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD4	E0911ALKB4
GWS2498	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
GWS2498	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D4	
GWS2426	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2426	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
GWS2495	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2495	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
GWS2420	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
GWS2420	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS T	140915S022	140915L039
FBS2050	EPA 300.0 Anions		N/A	IC 7	140911S03	140911L03
FBS2050	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
FBS2050	EPA 8260B Volatile Organics		EPA 5030C	GC/MS T	140913S001	140913L003
FBS2050	RSK-175M Methane		N/A	GC 61	140912D01	140912L01
FBS2050	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD5	E0911ALKB5
FBS2050	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
FBS2050	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D5	

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1 = Dilution analysis performed, no associated matrix QC

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0919
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo Superfund / 29500829.05
	Santa Barbara, CA 93117-3153	Received:	09/11/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2451 (14-09-0919-2)						
Benzene	11000	E	25	ug/L	EPA 8260B	EPA 5030C
Benzene	12000		100	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	190		50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	100		50	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	1100		50	ug/L	EPA 8260B	EPA 5030C
Naphthalene	160	J	120*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	67		50	ug/L	EPA 8260B	EPA 5030C
Toluene	37	J	12*	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	620		50	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	150		50	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	950		50	ug/L	EPA 8260B	EPA 5030C
GWS2413 (14-09-0919-3)						
Acetone	15	J	10*	ug/L	EPA 8260B	EPA 5030C
Benzene	120		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.90	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Chlorobenzene	0.27	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	8.1		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	0.68	J	0.58*	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.18	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Styrene	17		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	71		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	0.70	J	0.36*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	13		1.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	6.3		1.0	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	120		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	400		10	ug/L	EPA 8260B	EPA 5030C
Tert-Amyl-Methyl Ether (TAME)	8.7		2.0	ug/L	EPA 8260B	EPA 5030C
Cyclohexane	71		10	ug/L	EPA 8260B	EPA 5030C
GWS2463 (14-09-0919-4)						
Benzene	1.8		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.59	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Toluene	0.79	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	24		10	ug/L	EPA 8260B	EPA 5030C
Cyclohexane	6.0	J	3.5*	ug/L	EPA 8260B	EPA 5030C

* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0919
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo Superfund / 29500829.05
	Santa Barbara, CA 93117-3153	Received:	09/11/14
Attn:	David Myers		Page 2 of 3

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2466 (14-09-0919-5)						
Sulfate	130	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	110		5.0	mg/L	EPA 300.0	N/A
Manganese	1.82		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	2500	E	5.0	ug/L	EPA 8260B	EPA 5030C
Benzene	2700		12	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	190		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	2.1	J	1.7*	ug/L	EPA 8260B	EPA 5030C
Methane	5.82		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	588		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.0620	J	0.0413*	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	180		5.0	mg/L	SM4500-CO2D	N/A
GWS2498 (14-09-0919-6)						
Sulfate	130	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	110		5.0	mg/L	EPA 300.0	N/A
Manganese	1.93		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	2500	E	5.0	ug/L	EPA 8260B	EPA 5030C
Benzene	2700		12	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	190		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	2.1	J	1.7*	ug/L	EPA 8260B	EPA 5030C
Methane	7.47		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	590		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.110		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	170		5.0	mg/L	SM4500-CO2D	N/A
GWS2426 (14-09-0919-7)						
Benzene	2.1		0.50	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	180		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	1.2		0.50	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	210	E	1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	220		5.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	19		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	7.1		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	52		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.56	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	110		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	1.0		0.50	ug/L	EPA 8260B	EPA 5030C

* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0919
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo Superfund / 29500829.05
	Santa Barbara, CA 93117-3153	Received:	09/11/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2495 (14-09-0919-8)						
Benzene	1.8		0.50	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	190		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	1.1		0.50	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	220	E	1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	210		5.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	19		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	7.7		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	50		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.50	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	110		1.0	ug/L	EPA 8260B	EPA 5030C
Vinyl Chloride	0.97		0.50	ug/L	EPA 8260B	EPA 5030C
GWS2420 (14-09-0919-9)						
Benzene	280000	E	250	ug/L	EPA 8260B	EPA 5030C
Benzene	280000		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	9800		500	ug/L	EPA 8260B	EPA 5030C
Toluene	970		500	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	240	J	180*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	470	J	150*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	360	J	110*	ug/L	EPA 8260B	EPA 5030C
FBS2050 (14-09-0919-10)						
Nitrate (as N)	0.058	J	0.025*	mg/L	EPA 300.0	N/A
Methane	0.0950	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	1.6		1.0	mg/L	SM 2320B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-D**	**09/11/14 10:53**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 16:34**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	5.82	1.00	0.0400	1.00	

GWS2498	**14-09-0919-6-D**	**09/11/14 10:58**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 16:11**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	7.47	1.00	0.0400	1.00	

FBS2050	**14-09-0919-10-D**	**09/11/14 15:40**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 15:48**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0950	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2244**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:26**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-F**	**09/11/14 10:53**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 07:04**	**140911L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	130	1.0	0.19	1.00	E

GWS2466	**14-09-0919-5-F**	**09/11/14 10:53**	**Aqueous**	**IC 7**	**N/A**	**09/13/14 15:54**	**140913L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	110	5.0	0.94	5.00	

GWS2498	**14-09-0919-6-F**	**09/11/14 10:58**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 07:20**	**140911L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	130	1.0	0.19	1.00	E

GWS2498	**14-09-0919-6-F**	**09/11/14 10:58**	**Aqueous**	**IC 7**	**N/A**	**09/13/14 16:09**	**140913L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	110	5.0	0.94	5.00	

FBS2050	**14-09-0919-10-F**	**09/11/14 15:40**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 06:49**	**140911L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	0.058	0.10	0.025	1.00	J
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4987**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 03:13**	**140911L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-4998**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/13/14 12:48**	**140913L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-H**	**09/11/14 10:53**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	588	5.00	0.848	1.00	

GWS2498	**14-09-0919-6-H**	**09/11/14 10:58**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	590	5.00	0.848	1.00	

Method Blank	**099-15-859-457**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2050	**14-09-0919-10-H**	**09/11/14 15:40**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKB5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	1.6	1.0	0.85	1.00	

Method Blank	**099-15-981-49**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKB5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-G**	**09/11/14 10:53**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.0620	0.100	0.0413	1.00	J

GWS2498	**14-09-0919-6-G**	**09/11/14 10:58**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.110	0.100	0.0413	1.00	

FBS2050	**14-09-0919-10-G**	**09/11/14 15:40**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4900**	**N/A**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-H**	**09/11/14 10:53**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	180	5.0	0.59	1.00	

GWS2498	**14-09-0919-6-H**	**09/11/14 10:58**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	170	5.0	0.59	1.00	

FBS2050	**14-09-0919-10-H**	**09/11/14 15:40**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911CO2D5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	ND	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-J**	**09/11/14 10:53**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 22:54**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	1.82	0.00500	0.00270	1.00	

GWS2498	**14-09-0919-6-J**	**09/11/14 10:58**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 22:55**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	1.93	0.00500	0.00270	1.00	

FBS2050	**14-09-0919-10-J**	**09/11/14 15:40**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 23:00**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14481**	**N/A**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 18:38**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2033	**14-09-0919-1-A**	**09/11/14 07:00**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 11:52**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 2 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 3 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2451	**14-09-0919-2-A**	**09/11/14 07:57**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 19:18**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	1000	500	50.0	
Benzene	11000	25	7.1	50.0	E
Bromobenzene	ND	50	15	50.0	
Bromochloromethane	ND	50	24	50.0	
Bromodichloromethane	ND	50	10	50.0	
Bromoform	ND	50	25	50.0	
Bromomethane	ND	500	190	50.0	
2-Butanone	ND	500	110	50.0	
n-Butylbenzene	ND	50	11	50.0	
sec-Butylbenzene	ND	50	12	50.0	
tert-Butylbenzene	ND	50	14	50.0	
Carbon Disulfide	ND	500	20	50.0	
Carbon Tetrachloride	ND	25	11	50.0	
Chlorobenzene	190	50	8.6	50.0	
Chloroethane	ND	250	110	50.0	
Chloroform	ND	50	23	50.0	
Chloromethane	ND	500	88	50.0	
2-Chlorotoluene	ND	50	12	50.0	
4-Chlorotoluene	ND	50	6.6	50.0	
Dibromochloromethane	ND	50	12	50.0	
1,2-Dibromo-3-Chloropropane	ND	250	62	50.0	
1,2-Dibromoethane	ND	50	18	50.0	
Dibromomethane	ND	50	23	50.0	
1,2-Dichlorobenzene	ND	50	23	50.0	
1,3-Dichlorobenzene	ND	50	20	50.0	
1,4-Dichlorobenzene	ND	50	22	50.0	
Dichlorodifluoromethane	ND	50	23	50.0	
1,1-Dichloroethane	ND	50	14	50.0	
1,2-Dichloroethane	ND	25	12	50.0	
1,1-Dichloroethene	ND	50	22	50.0	
c-1,2-Dichloroethene	100	50	24	50.0	
t-1,2-Dichloroethene	ND	50	18	50.0	
1,2-Dichloropropane	ND	50	21	50.0	
1,3-Dichloropropane	ND	50	15	50.0	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 4 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	50	18	50.0	
1,1-Dichloropropene	ND	50	23	50.0	
c-1,3-Dichloropropene	ND	25	12	50.0	
t-1,3-Dichloropropene	ND	25	13	50.0	
Ethylbenzene	1100	50	6.9	50.0	
2-Hexanone	ND	500	100	50.0	
Isopropylbenzene	ND	50	29	50.0	
p-Isopropyltoluene	ND	50	7.9	50.0	
Methylene Chloride	ND	500	32	50.0	
4-Methyl-2-Pentanone	ND	500	220	50.0	
Naphthalene	160	500	120	50.0	J
n-Propylbenzene	67	50	8.6	50.0	
Styrene	ND	50	8.6	50.0	
1,1,1,2-Tetrachloroethane	ND	50	20	50.0	
1,1,2,2-Tetrachloroethane	ND	50	20	50.0	
Tetrachloroethene	ND	50	19	50.0	
Toluene	37	50	12	50.0	J
1,2,3-Trichlorobenzene	ND	50	25	50.0	
1,2,4-Trichlorobenzene	ND	50	25	50.0	
1,1,1-Trichloroethane	ND	50	15	50.0	
1,1,2-Trichloroethane	ND	50	19	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	39	50.0	
Trichloroethene	ND	50	18	50.0	
1,2,3-Trichloropropane	ND	250	32	50.0	
1,2,4-Trimethylbenzene	620	50	18	50.0	
Trichlorofluoromethane	ND	500	83	50.0	
1,3,5-Trimethylbenzene	150	50	14	50.0	
Vinyl Acetate	ND	500	140	50.0	
Vinyl Chloride	ND	25	15	50.0	
p/m-Xylene	950	50	15	50.0	
o-Xylene	ND	50	11	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	50	15	50.0	
Cyclohexane	ND	500	170	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 5 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2451	**14-09-0919-2-B**	**09/11/14 07:57**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 04:19**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	12000	100	28	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 6 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2413	**14-09-0919-3-B**	**09/11/14 08:57**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 02:57**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	20	10	1.00	J
Benzene	120	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.90	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	0.27	1.0	0.17	1.00	J
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 7 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	8.1	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	0.68	1.0	0.58	1.00	J
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	0.18	1.0	0.17	1.00	J
Styrene	17	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	71	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	0.70	1.0	0.36	1.00	J
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	13	1.0	0.30	1.00	
o-Xylene	6.3	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	120	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	400	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	8.7	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	71	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 8 of 34

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	94	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	109	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 9 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2463	**14-09-0919-4-A**	**09/11/14 10:00**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 17:54**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	1.8	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	1.2	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 10 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.59	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	0.79	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	24	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	6.0	10	3.5	1.00	J

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 11 of 34

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	103	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 12 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-A**	**09/11/14 10:53**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 20:13**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	2500	5.0	1.4	10.0	E
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	ND	10	4.6	10.0	
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	ND	10	4.3	10.0	
c-1,2-Dichloroethene	ND	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 13 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	190	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	2.1	10	1.7	10.0	J
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	ND	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	ND	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	89	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 14 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2466	**14-09-0919-5-B**	**09/11/14 10:53**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 04:47**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	2700	12	3.5	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 15 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2498	**14-09-0919-6-A**	**09/11/14 10:58**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 20:41**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	200	100	10.0	
Benzene	2500	5.0	1.4	10.0	E
Bromobenzene	ND	10	3.0	10.0	
Bromochloromethane	ND	10	4.8	10.0	
Bromodichloromethane	ND	10	2.1	10.0	
Bromoform	ND	10	5.0	10.0	
Bromomethane	ND	100	39	10.0	
2-Butanone	ND	100	22	10.0	
n-Butylbenzene	ND	10	2.3	10.0	
sec-Butylbenzene	ND	10	2.5	10.0	
tert-Butylbenzene	ND	10	2.8	10.0	
Carbon Disulfide	ND	100	4.1	10.0	
Carbon Tetrachloride	ND	5.0	2.3	10.0	
Chlorobenzene	ND	10	1.7	10.0	
Chloroethane	ND	50	23	10.0	
Chloroform	ND	10	4.6	10.0	
Chloromethane	ND	100	18	10.0	
2-Chlorotoluene	ND	10	2.4	10.0	
4-Chlorotoluene	ND	10	1.3	10.0	
Dibromochloromethane	ND	10	2.5	10.0	
1,2-Dibromo-3-Chloropropane	ND	50	12	10.0	
1,2-Dibromoethane	ND	10	3.6	10.0	
Dibromomethane	ND	10	4.6	10.0	
1,2-Dichlorobenzene	ND	10	4.6	10.0	
1,3-Dichlorobenzene	ND	10	4.0	10.0	
1,4-Dichlorobenzene	ND	10	4.3	10.0	
Dichlorodifluoromethane	ND	10	4.6	10.0	
1,1-Dichloroethane	ND	10	2.8	10.0	
1,2-Dichloroethane	ND	5.0	2.4	10.0	
1,1-Dichloroethene	ND	10	4.3	10.0	
c-1,2-Dichloroethene	ND	10	4.8	10.0	
t-1,2-Dichloroethene	ND	10	3.7	10.0	
1,2-Dichloropropane	ND	10	4.2	10.0	
1,3-Dichloropropane	ND	10	3.0	10.0	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 16 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	10	3.6	10.0	
1,1-Dichloropropene	ND	10	4.6	10.0	
c-1,3-Dichloropropene	ND	5.0	2.5	10.0	
t-1,3-Dichloropropene	ND	5.0	2.5	10.0	
Ethylbenzene	190	10	1.4	10.0	
2-Hexanone	ND	100	21	10.0	
Isopropylbenzene	ND	10	5.8	10.0	
p-Isopropyltoluene	ND	10	1.6	10.0	
Methylene Chloride	ND	100	6.4	10.0	
4-Methyl-2-Pentanone	ND	100	44	10.0	
Naphthalene	ND	100	25	10.0	
n-Propylbenzene	2.1	10	1.7	10.0	J
Styrene	ND	10	1.7	10.0	
1,1,1,2-Tetrachloroethane	ND	10	4.0	10.0	
1,1,2,2-Tetrachloroethane	ND	10	4.1	10.0	
Tetrachloroethene	ND	10	3.9	10.0	
Toluene	ND	10	2.4	10.0	
1,2,3-Trichlorobenzene	ND	10	5.1	10.0	
1,2,4-Trichlorobenzene	ND	10	5.0	10.0	
1,1,1-Trichloroethane	ND	10	3.0	10.0	
1,1,2-Trichloroethane	ND	10	3.8	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	7.8	10.0	
Trichloroethene	ND	10	3.7	10.0	
1,2,3-Trichloropropane	ND	50	6.4	10.0	
1,2,4-Trimethylbenzene	ND	10	3.6	10.0	
Trichlorofluoromethane	ND	100	17	10.0	
1,3,5-Trimethylbenzene	ND	10	2.8	10.0	
Vinyl Acetate	ND	100	28	10.0	
Vinyl Chloride	ND	5.0	3.0	10.0	
p/m-Xylene	ND	10	3.0	10.0	
o-Xylene	ND	10	2.3	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	10	3.1	10.0	
Cyclohexane	ND	100	35	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 17 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2498	**14-09-0919-6-B**	**09/11/14 10:58**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 05:14**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	2700	12	3.5	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 18 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2426	**14-09-0919-7-A**	**09/11/14 14:05**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 18:22**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.1	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	180	1.0	0.28	1.00	
1,2-Dichloroethane	1.2	0.50	0.24	1.00	
1,1-Dichloroethene	210	1.0	0.43	1.00	E
c-1,2-Dichloroethene	19	1.0	0.48	1.00	
t-1,2-Dichloroethene	7.1	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 19 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	52	1.0	0.39	1.00	
Toluene	0.56	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	110	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	1.0	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	93	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 20 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2426	**14-09-0919-7-B**	**09/11/14 14:05**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 05:41**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,1-Dichloroethene	220	5.0	2.2	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	95	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 21 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2495	**14-09-0919-8-A**	**09/11/14 14:10**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 18:50**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	1.8	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	190	1.0	0.28	1.00	
1,2-Dichloroethane	1.1	0.50	0.24	1.00	
1,1-Dichloroethene	220	1.0	0.43	1.00	E
c-1,2-Dichloroethene	19	1.0	0.48	1.00	
t-1,2-Dichloroethene	7.7	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 22 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	50	1.0	0.39	1.00	
Toluene	0.50	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	110	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	0.97	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	93	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 23 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2495	**14-09-0919-8-B**	**09/11/14 14:10**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 06:09**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,1-Dichloroethene	210	5.0	2.2	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 24 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2420	**14-09-0919-9-A**	**09/11/14 15:03**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 21:09**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	10000	5000	500	
Benzene	280000	250	71	500	E
Bromobenzene	ND	500	150	500	
Bromochloromethane	ND	500	240	500	
Bromodichloromethane	ND	500	100	500	
Bromoform	ND	500	250	500	
Bromomethane	ND	5000	1900	500	
2-Butanone	ND	5000	1100	500	
n-Butylbenzene	ND	500	110	500	
sec-Butylbenzene	ND	500	120	500	
tert-Butylbenzene	ND	500	140	500	
Carbon Disulfide	ND	5000	200	500	
Carbon Tetrachloride	ND	250	110	500	
Chlorobenzene	ND	500	86	500	
Chloroethane	ND	2500	1100	500	
Chloroform	ND	500	230	500	
Chloromethane	ND	5000	880	500	
2-Chlorotoluene	ND	500	120	500	
4-Chlorotoluene	ND	500	66	500	
Dibromochloromethane	ND	500	120	500	
1,2-Dibromo-3-Chloropropane	ND	2500	620	500	
1,2-Dibromoethane	ND	500	180	500	
Dibromomethane	ND	500	230	500	
1,2-Dichlorobenzene	ND	500	230	500	
1,3-Dichlorobenzene	ND	500	200	500	
1,4-Dichlorobenzene	ND	500	220	500	
Dichlorodifluoromethane	ND	500	230	500	
1,1-Dichloroethane	ND	500	140	500	
1,2-Dichloroethane	ND	250	120	500	
1,1-Dichloroethene	ND	500	220	500	
c-1,2-Dichloroethene	ND	500	240	500	
t-1,2-Dichloroethene	ND	500	180	500	
1,2-Dichloropropane	ND	500	210	500	
1,3-Dichloropropane	ND	500	150	500	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 25 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	500	180	500	
1,1-Dichloropropene	ND	500	230	500	
c-1,3-Dichloropropene	ND	250	120	500	
t-1,3-Dichloropropene	ND	250	130	500	
Ethylbenzene	9800	500	69	500	
2-Hexanone	ND	5000	1000	500	
Isopropylbenzene	ND	500	290	500	
p-Isopropyltoluene	ND	500	79	500	
Methylene Chloride	ND	5000	320	500	
4-Methyl-2-Pentanone	ND	5000	2200	500	
Naphthalene	ND	5000	1200	500	
n-Propylbenzene	ND	500	86	500	
Styrene	ND	500	86	500	
1,1,1,2-Tetrachloroethane	ND	500	200	500	
1,1,2,2-Tetrachloroethane	ND	500	200	500	
Tetrachloroethene	ND	500	190	500	
Toluene	970	500	120	500	
1,2,3-Trichlorobenzene	ND	500	250	500	
1,2,4-Trichlorobenzene	ND	500	250	500	
1,1,1-Trichloroethane	ND	500	150	500	
1,1,2-Trichloroethane	ND	500	190	500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	390	500	
Trichloroethene	ND	500	180	500	
1,2,3-Trichloropropane	ND	2500	320	500	
1,2,4-Trimethylbenzene	240	500	180	500	J
Trichlorofluoromethane	ND	5000	830	500	
1,3,5-Trimethylbenzene	ND	500	140	500	
Vinyl Acetate	ND	5000	1400	500	
Vinyl Chloride	ND	250	150	500	
p/m-Xylene	470	500	150	500	J
o-Xylene	360	500	110	500	J
Methyl-t-Butyl Ether (MTBE)	ND	500	150	500	
Tert-Butyl Alcohol (TBA)	ND	5000	2300	500	
Diisopropyl Ether (DIPE)	ND	1000	170	500	
Ethyl-t-Butyl Ether (ETBE)	ND	1000	220	500	
Tert-Amyl-Methyl Ether (TAME)	ND	1000	110	500	
Ethanol	ND	50000	25000	500	
Cyclohexane	ND	5000	1700	500	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 26 of 34

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	104	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2420	**14-09-0919-9-B**	**09/11/14 15:03**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 06:36**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	280000	1200	350	2500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	110	75-135	
Toluene-d8	92	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 27 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2050	**14-09-0919-10-A**	**09/11/14 15:40**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:19**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 28 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 29 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15129**	**N/A**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 11:16**	**140913L003**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 30 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 31 of 34

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 32 of 34

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15161**	**N/A**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 02:30**	**140915L039**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 33 of 34

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 34 of 34

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	100	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0916-1	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 08:37**	**140911S03**
14-09-0916-1	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 09:10**	**140911S03**
14-09-0916-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 09:26**	**140911S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	0.2720	500.0	527.4	105	526.8	105	80-120	0	0-20	
Sulfate	322.2	5000	5567	105	5572	105	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo Superfund / 29500829.05			Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0920-7	**Sample**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**
14-09-0920-7	**Matrix Spike**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**
14-09-0920-7	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	2.750	1.000	3.660	91	3.710	96	70-130	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo Superfund / 29500829.05			Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0920-5	**Sample**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:15**	**140912SA5**
14-09-0920-5	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:16**	**140912SA5**
14-09-0920-5	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:17**	**140912SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	1.681	0.5000	2.154	94	2.059	75	86-116	5	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-2	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
14-09-0756-2	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
14-09-0756-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	10.86	500.0	550.6	108	519.6	102	74-122	6	0-21	
Carbon Tetrachloride	ND	500.0	471.8	94	504.1	101	60-144	7	0-21	
Chlorobenzene	1945	500.0	2420	95	2415	94	73-120	0	0-22	
1,2-Dibromoethane	ND	500.0	515.6	103	506.3	101	80-122	2	0-20	
1,2-Dichlorobenzene	ND	500.0	523.8	105	515.7	103	70-120	2	0-26	
1,2-Dichloroethane	ND	500.0	548.6	110	510.9	102	64-142	7	0-20	
1,1-Dichloroethene	ND	500.0	539.3	108	519.4	104	52-136	4	0-21	
Ethylbenzene	ND	500.0	530.1	106	522.7	105	77-125	1	0-24	
Toluene	ND	500.0	570.5	114	505.4	101	72-126	12	0-23	
Trichloroethene	ND	500.0	544.5	109	504.5	101	74-128	8	0-22	
Vinyl Chloride	ND	500.0	527.4	105	496.9	99	67-133	6	0-20	
p/m-Xylene	ND	1000	1119	112	1094	109	63-129	2	0-25	
o-Xylene	ND	500.0	564.9	113	557.8	112	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	500.0	517.0	103	504.5	101	68-134	2	0-21	
Tert-Butyl Alcohol (TBA)	ND	2500	2523	101	2571	103	65-143	2	0-30	
Diisopropyl Ether (DIPE)	ND	500.0	526.8	105	515.0	103	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	500.0	529.4	106	514.1	103	64-136	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	500.0	524.9	105	499.2	100	67-133	5	0-20	
Ethanol	ND	5000	5608	112	5446	109	34-178	3	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0756-2	**Sample**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 12:47**	**140913S001**
14-09-0756-2	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:15**	**140913S001**
14-09-0756-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 13:43**	**140913S001**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	500.0	50.61	101	50.93	102	80-120	
Dibromofluoromethane	500.0	52.80	106	53.22	106	78-126	
1,2-Dichloroethane-d4	500.0	51.52	103	52.16	104	75-135	
Toluene-d8	500.0	53.56	107	48.52	97	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2413	**Sample**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 02:57**	**140915S022**
GWS2413	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 03:24**	**140915S022**
GWS2413	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 03:52**	**140915S022**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	120.1	50.00	158.3	76	155.7	71	74-122	2	0-21	3
Carbon Tetrachloride	ND	50.00	48.95	98	52.20	104	60-144	6	0-21	
Chlorobenzene	ND	50.00	52.76	106	53.14	106	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	48.31	97	50.03	100	80-122	3	0-20	
1,2-Dichlorobenzene	ND	50.00	52.57	105	52.41	105	70-120	0	0-26	
1,2-Dichloroethane	ND	50.00	54.56	109	53.43	107	64-142	2	0-20	
1,1-Dichloroethene	ND	50.00	53.17	106	54.99	110	52-136	3	0-21	
Ethylbenzene	8.123	50.00	59.85	103	60.02	104	77-125	0	0-24	
Toluene	70.86	50.00	119.7	98	118.0	94	72-126	1	0-23	
Trichloroethene	ND	50.00	57.63	115	56.26	113	74-128	2	0-22	
Vinyl Chloride	ND	50.00	52.63	105	53.82	108	67-133	2	0-20	
p/m-Xylene	13.26	100.0	121.7	108	122.7	109	63-129	1	0-25	
o-Xylene	6.294	50.00	64.33	116	63.94	115	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	122.5	50.00	166.7	88	172.7	100	68-134	4	0-21	
Tert-Butyl Alcohol (TBA)	401.6	250.0	677.4	110	687.0	114	65-143	1	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	51.79	104	53.35	107	61-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.37	101	53.38	107	64-136	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	8.717	50.00	58.56	100	60.52	104	67-133	3	0-20	
Ethanol	ND	500.0	658.7	132	634.3	127	34-178	4	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2413	**Sample**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 02:57**	**140915S022**
GWS2413	**Matrix Spike**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 03:24**	**140915S022**
GWS2413	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 03:52**	**140915S022**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.94	102	50.09	100	80-120	
Dibromofluoromethane	50.00	48.92	98	50.91	102	78-126	
1,2-Dichloroethane-d4	50.00	49.29	99	49.54	99	75-135	
Toluene-d8	50.00	53.27	107	52.35	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo Superfund / 29500829.05			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0657-6	**Sample**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 12:47**	**140912D01**
14-09-0657-6	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 13:11**	**140912D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	43.96	39.05	12	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0920-2	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKD4**
14-09-0920-2	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	1080	1070	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2050	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKD5**
FBS2050	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKD5**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	1.600	1.600	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo Superfund / 29500829.05			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0920-2	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**
14-09-0920-2	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	1034	1073	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo Superfund / 29500829.05			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2050	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911CO2D5**
FBS2050	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911CO2D5**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo Superfund / 29500829.05			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2244	**LCS**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 10:39**	**140912L01**
099-12-663-2244	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**09/12/14 11:02**	**140912L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	93.74	92	94.73	93	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4987	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 03:29**	**140911L03**
099-12-906-4987	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 03:44**	**140911L03**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	5.000	5.047	101	5.047	101	90-110	0	0-15	
Sulfate	50.00	50.09	100	50.12	100	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-4998	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/13/14 13:03**	**140913L02**
099-12-906-4998	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/13/14 13:19**	**140913L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	50.00	49.96	100	49.95	100	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-457	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**
099-15-859-457	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	98.00	98	98.00	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-49	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKB5**
099-15-981-49	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:41**	**E0911ALKB5**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo Superfund / 29500829.05			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4900	**LCS**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9700	97	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo Superfund / 29500829.05			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14481	**LCS**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 18:40**	**140912LA5**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5391	108	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	56.30	113	80-120	73-127	
Carbon Tetrachloride	50.00	55.63	111	67-139	55-151	
Chlorobenzene	50.00	56.91	114	78-120	71-127	
1,2-Dibromoethane	50.00	51.69	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	56.10	112	63-129	52-140	
1,2-Dichloroethane	50.00	54.20	108	70-130	60-140	
1,1-Dichloroethene	50.00	57.12	114	66-126	56-136	
Ethylbenzene	50.00	56.85	114	80-123	73-130	
Toluene	50.00	58.24	116	80-120	73-127	
Trichloroethene	50.00	55.96	112	80-122	73-129	
Vinyl Chloride	50.00	55.43	111	70-130	60-140	
p/m-Xylene	100.0	119.1	119	75-123	67-131	
o-Xylene	50.00	60.71	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.48	103	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	256.2	102	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	54.91	110	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	54.62	109	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.15	104	67-133	56-144	
Ethanol	500.0	534.3	107	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15129	**LCS**	**Aqueous**	**GC/MS T**	**09/13/14**	**09/13/14 10:14**	**140913L003**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.57	103	80-120	
Dibromofluoromethane	50.00	52.94	106	78-126	
1,2-Dichloroethane-d4	50.00	50.96	102	75-135	
Toluene-d8	50.00	51.43	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15161	**LCS**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 01:35**	**140915L039**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	54.00	108	80-120	73-127	
Carbon Tetrachloride	50.00	51.95	104	67-139	55-151	
Chlorobenzene	50.00	53.46	107	78-120	71-127	
1,2-Dibromoethane	50.00	51.40	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.90	104	63-129	52-140	
1,2-Dichloroethane	50.00	53.38	107	70-130	60-140	
1,1-Dichloroethene	50.00	52.27	105	66-126	56-136	
Ethylbenzene	50.00	53.14	106	80-123	73-130	
Toluene	50.00	52.87	106	80-120	73-127	
Trichloroethene	50.00	50.38	101	80-122	73-129	
Vinyl Chloride	50.00	52.08	104	70-130	60-140	
p/m-Xylene	100.0	111.2	111	75-123	67-131	
o-Xylene	50.00	58.81	118	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.12	98	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	257.5	103	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	51.79	104	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	50.16	100	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.25	101	67-133	56-144	
Ethanol	500.0	587.9	118	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0919
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15161	**LCS**	**Aqueous**	**GC/MS T**	**09/15/14**	**09/16/14 01:35**	**140915L039**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.90	102	80-120	
Dibromofluoromethane	50.00	51.70	103	78-126	
1,2-Dichloroethane-d4	50.00	51.15	102	75-135	
Toluene-d8	50.00	50.72	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0919

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	650	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	486	GC/MS T	2
EPA 8260B	EPA 5030C	849	GC/MS T	2
RSK-175M	N/A	888	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0919

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WHITE COPY-Original (Accompanies Samples) YELLOW COPY-Return with results PINK COPY- Project Manager

14-09-0919

Sample Number	Date	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8260	Semi Vol 8270	TPH 8015(M)	Carbon Dioxide - SM4500	Methane - RSK175	Nitrate - USEPA 300.0	Sulfate - USEPA 300.0	Ammonia - USEPA 350.1	Ferrous Iron - SM3500-Fe B	Total Alkalinity - SM2320B	FIELD NOTES:	Total Number of Containers	Laboratory Number
FBS2033	9/11/14	—	0700	AQ	HCl VOA			X											3	1
GWS2451	↓	—	0757	AQ	HCl VOA			X											3	2
GWS2413		—	0857	AQ	HCl VOA			X											3	3
GWS2463		—	1000	AQ	HCl VOA			X											3	4
GWS2466		—	1053	AQ	Various			X			X	X	X	X	X	X	X		10	5
GWS2498		—	1058	AQ	Various			X			X	X	X	X	X	X	X		10	6
GWS2426		—	1405	AQ	HCl VOA			X											3	7
GWS2495		—	1410	AQ	HCl VOA			X											3	8
GWS2420		—	1503	AQ	HCl VOA			X											3	9
FBS2050	↓	—	1540	AQ	Various			X			X	X	X	X	X	X	X		10	10

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Nicholas King	9/11/14 1630	Nicole
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Nicole	9/11/14 1700	Kelley ECI
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelley ECI	9/11/14 1818	[illegible] ECI

LABORATORY NOTES:
DAVID.MYERS@URS.com
STEVE.COLE@URS.com
ERICH.WEAVER@URS.com
MARK.COLLAR@URS.com
LILY.BAYATI@URS.com

ANALYTICAL LABORATORY:

LABORATORY CONTACT:

URS CONTACT: ERICH.WEAVER@URS.COM PHONE: 805 964 0648

JOB # 29500829.05

PROJECT: Del Amo Superfund

LOCATION: Torrance

COLLECTOR: Nicholas King DATE OF COLLECTION: 9/11/14

URS
130 Robin Hill Road
Suite 100
Santa Barbara, California 93117
Phone (805) 964-6010
Fax (805) 964-0259

S:\Forms\Chain of Custody.xls

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WORK ORDER #: 14-09-0919

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/11/14

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

Temperature 3.0 °C - 0.3 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 678

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☑250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☑250PB ☑250PBn ☑125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 678

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 689

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 689

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-0920

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo Superfund / 29500829.05

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-0920

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Work Order Narrative

Work Order: 14-09-0920 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/11/14. They were assigned to Work Order 14-09-0920.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0920
		Project Name:	Del Amo Superfund / 29500829.05
		PO Number:	
		Date/Time Received:	09/11/14 18:18
		Number of Containers:	53
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2032	14-09-0920-1	09/11/14 07:00	2	Aqueous
GWS2454	14-09-0920-2	09/11/14 07:48	10	Aqueous
GWS2485	14-09-0920-3	09/11/14 09:04	3	Aqueous
GWS2499	14-09-0920-4	09/11/14 09:09	3	Aqueous
GWS2445	14-09-0920-5	09/11/14 10:26	10	Aqueous
GWS2447	14-09-0920-6	09/11/14 14:12	6	Aqueous
GWS2415	14-09-0920-7	09/11/14 11:46	10	Aqueous
GWS2450	14-09-0920-8	09/11/14 15:05	3	Aqueous
GWS2500	14-09-0920-9	09/11/14 15:10	3	Aqueous
FBS2051	14-09-0920-10	09/11/14 15:35	3	Aqueous

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QC Association Summary

Work Order: 14-09-0920

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2032	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140912S030	140912L054
GWS2454	EPA 300.0 Anions		N/A	IC 7	140912S01	140912L01
GWS2454	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
GWS2454	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140916S005	140916L050
GWS2454	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2454	RSK-175M Methane		N/A	GC 52	140917D02	140917L02
GWS2454	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD4	E0911ALKB4
GWS2454	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
GWS2454	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D4	
GWS2485	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2499	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2445	EPA 300.0 Anions		N/A	IC 7	140912S01	140912L01
GWS2445	EPA 300.0 Anions	R	N/A	IC 7	*1	140916L02
GWS2445	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
GWS2445	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2445	RSK-175M Methane		N/A	GC 52	140917D02	140917L02
GWS2445	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD4	E0911ALKB4
GWS2445	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
GWS2445	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D4	
GWS2447	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140912S030	140912L054
GWS2415	EPA 300.0 Anions		N/A	IC 7	140912S01	140912L01
GWS2415	EPA 300.0 Anions	R	N/A	IC 7	*1	140916L02
GWS2415	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140912SA5	140912LA5
GWS2415	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2415	RSK-175M Methane		N/A	GC 52	140917D02	140917L02
GWS2415	SM 2320B Alkalinity		N/A	PH1/BUR03	E0911ALKD4	E0911ALKB4
GWS2415	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0911FES1	E0911FEL1
GWS2415	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0911CO2D4	
GWS2450	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2500	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
FBS2051	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S015	140917L042

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1 = Dilution analysis performed, no associated matrix QC

R = Rerun

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Detections Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-0920
		Project Name:	Del Amo Superfund / 29500829.05
		Received:	09/11/14
Attn:	David Myers		

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2454 (14-09-0920-2)						
Sulfate	0.96	J	0.19*	mg/L	EPA 300.0	N/A
Manganese	2.69		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	19000	E	25	ug/L	EPA 8260B	EPA 5030C
Benzene	22000	B	120	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	39	J	29*	ug/L	EPA 8260B	EPA 5030C
Methane	38.9		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	1080		10.0	mg/L	SM 2320B	N/A
Iron (II)	59.6		2.00	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	1000		10	mg/L	SM4500-CO2D	N/A
GWS2485 (14-09-0920-3)						
Benzene	470	B	2.5	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	4.7	J	1.2*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	30		5.0	ug/L	EPA 8260B	EPA 5030C
GWS2499 (14-09-0920-4)						
Benzene	570	B	2.5	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	4.5	J	1.2*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	39		5.0	ug/L	EPA 8260B	EPA 5030C
GWS2445 (14-09-0920-5)						
Sulfate	130	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	120		2.0	mg/L	EPA 300.0	N/A
Manganese	1.68		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	150000	B	500	ug/L	EPA 8260B	EPA 5030C
2-Butanone	5100	J	2200*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	2400		1000	ug/L	EPA 8260B	EPA 5030C
Styrene	4000		1000	ug/L	EPA 8260B	EPA 5030C
Toluene	46000		1000	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	4600		1000	ug/L	EPA 8260B	EPA 5030C
o-Xylene	1700		1000	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	24000		10000	ug/L	EPA 8260B	EPA 5030C
Methane	32.4		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	722		5.00	mg/L	SM 2320B	N/A
Iron (II)	4.90		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	490		5.0	mg/L	SM4500-CO2D	N/A

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* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-0920
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo Superfund / 29500829.05
	Santa Barbara, CA 93117-3153	Received:	09/11/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2447 (14-09-0920-6)						
Acetone	18	J	10*	ug/L	EPA 8260B	EPA 5030C
Benzene	62		0.50	ug/L	EPA 8260B	EPA 5030C
2-Butanone	3.0	J	2.2*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	0.44	J	0.14*	ug/L	EPA 8260B	EPA 5030C
o-Xylene	0.38	J	0.23*	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	6.9		1.0	ug/L	EPA 8260B	EPA 5030C
GWS2415 (14-09-0920-7)						
Sulfate	140	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	130		2.0	mg/L	EPA 300.0	N/A
Manganese	5.62		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	330000	B	1200	ug/L	EPA 8260B	EPA 5030C
Methane	2080		8.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	742		5.00	mg/L	SM 2320B	N/A
Iron (II)	2.75		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	690		5.0	mg/L	SM4500-CO2D	N/A
GWS2450 (14-09-0920-8)						
Benzene	330000	B	1200	ug/L	EPA 8260B	EPA 5030C
GWS2500 (14-09-0920-9)						
Benzene	280000	B	1200	ug/L	EPA 8260B	EPA 5030C
FBS2051 (14-09-0920-10)						
Methylene Chloride	1.2	J	0.64*	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-D**	**09/11/14 07:48**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 15:30**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	38.9	1.00	0.0400	1.00	

GWS2445	**14-09-0920-5-D**	**09/11/14 10:26**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 15:55**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	32.4	1.00	0.0400	1.00	

GWS2415	**14-09-0920-7-D**	**09/11/14 11:46**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 17:11**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	2080	8.00	0.320	8.00	

Method Blank	**099-12-663-2245**	**N/A**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 11:05**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-I**	**09/11/14 07:48**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 11:50**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	0.96	1.0	0.19	1.00	J

GWS2445	**14-09-0920-5-I**	**09/11/14 10:26**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 12:05**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	130	1.0	0.19	1.00	E

GWS2445	**14-09-0920-5-I**	**09/11/14 10:26**	**Aqueous**	**IC 7**	**N/A**	**09/16/14 20:29**	**140916L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	120	2.0	0.38	2.00	

GWS2415	**14-09-0920-7-I**	**09/11/14 11:46**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 12:21**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	140	1.0	0.19	1.00	E

GWS2415	**14-09-0920-7-I**	**09/11/14 11:46**	**Aqueous**	**IC 7**	**N/A**	**09/16/14 20:45**	**140916L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	130	2.0	0.38	2.00	

Method Blank	**099-12-906-4990**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 10:15**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-5002**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/16/14 19:12**	**140916L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-H**	**09/11/14 07:48**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	1080	10.0	0.848	1.00	

GWS2445	**14-09-0920-5-H**	**09/11/14 10:26**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	722	5.00	0.848	1.00	

GWS2415	**14-09-0920-7-H**	**09/11/14 11:46**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	742	5.00	0.848	1.00	

Method Blank	**099-15-859-457**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-G**	**09/11/14 07:48**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	59.6	2.00	0.825	20.0	

GWS2445	**14-09-0920-5-G**	**09/11/14 10:26**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	4.90	0.100	0.0413	1.00	

GWS2415	**14-09-0920-7-G**	**09/11/14 11:46**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	2.75	0.100	0.0413	1.00	

Method Blank	**099-05-111-4900**	**N/A**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-H**	**09/11/14 07:48**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	1000	10	0.59	1.00	

GWS2445	**14-09-0920-5-H**	**09/11/14 10:26**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	490	5.0	0.59	1.00	

GWS2415	**14-09-0920-7-H**	**09/11/14 11:46**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	690	5.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-J**	**09/11/14 07:48**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 22:52**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	2.69	0.00500	0.00270	1.00	

GWS2445	**14-09-0920-5-J**	**09/11/14 10:26**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:15**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	1.68	0.00500	0.00270	1.00	

GWS2415	**14-09-0920-7-J**	**09/11/14 11:46**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 22:53**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	5.62	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14481**	**N/A**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 18:38**	**140912LA5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 1 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2032	**14-09-0920-1-A**	**09/11/14 07:00**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 00:47**	**140912L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 2 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 3 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-B**	**09/11/14 07:48**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 20:59**	**140916L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	1000	500	50.0	
Benzene	19000	25	7.1	50.0	E
Bromobenzene	ND	50	15	50.0	
Bromochloromethane	ND	50	24	50.0	
Bromodichloromethane	ND	50	10	50.0	
Bromoform	ND	50	25	50.0	
Bromomethane	ND	500	190	50.0	
2-Butanone	ND	500	110	50.0	
n-Butylbenzene	ND	50	11	50.0	
sec-Butylbenzene	ND	50	12	50.0	
tert-Butylbenzene	ND	50	14	50.0	
Carbon Disulfide	ND	500	20	50.0	
Carbon Tetrachloride	ND	25	11	50.0	
Chlorobenzene	ND	50	8.6	50.0	
Chloroethane	ND	250	110	50.0	
Chloroform	ND	50	23	50.0	
Chloromethane	ND	500	88	50.0	
2-Chlorotoluene	ND	50	12	50.0	
4-Chlorotoluene	ND	50	6.6	50.0	
Dibromochloromethane	ND	50	12	50.0	
1,2-Dibromo-3-Chloropropane	ND	250	62	50.0	
1,2-Dibromoethane	ND	50	18	50.0	
Dibromomethane	ND	50	23	50.0	
1,2-Dichlorobenzene	ND	50	23	50.0	
1,3-Dichlorobenzene	ND	50	20	50.0	
1,4-Dichlorobenzene	ND	50	22	50.0	
Dichlorodifluoromethane	ND	50	23	50.0	
1,1-Dichloroethane	ND	50	14	50.0	
1,2-Dichloroethane	ND	25	12	50.0	
1,1-Dichloroethene	ND	50	22	50.0	
c-1,2-Dichloroethene	ND	50	24	50.0	
t-1,2-Dichloroethene	ND	50	18	50.0	
1,2-Dichloropropane	ND	50	21	50.0	
1,3-Dichloropropane	ND	50	15	50.0	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 4 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	50	18	50.0	
1,1-Dichloropropene	ND	50	23	50.0	
c-1,3-Dichloropropene	ND	25	12	50.0	
t-1,3-Dichloropropene	ND	25	13	50.0	
Ethylbenzene	ND	50	6.9	50.0	
2-Hexanone	ND	500	100	50.0	
Isopropylbenzene	39	50	29	50.0	J
p-Isopropyltoluene	ND	50	7.9	50.0	
Methylene Chloride	ND	500	32	50.0	
4-Methyl-2-Pentanone	ND	500	220	50.0	
Naphthalene	ND	500	120	50.0	
n-Propylbenzene	ND	50	8.6	50.0	
Styrene	ND	50	8.6	50.0	
1,1,1,2-Tetrachloroethane	ND	50	20	50.0	
1,1,2,2-Tetrachloroethane	ND	50	20	50.0	
Tetrachloroethene	ND	50	19	50.0	
Toluene	ND	50	12	50.0	
1,2,3-Trichlorobenzene	ND	50	25	50.0	
1,2,4-Trichlorobenzene	ND	50	25	50.0	
1,1,1-Trichloroethane	ND	50	15	50.0	
1,1,2-Trichloroethane	ND	50	19	50.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	39	50.0	
Trichloroethene	ND	50	18	50.0	
1,2,3-Trichloropropane	ND	250	32	50.0	
1,2,4-Trimethylbenzene	ND	50	18	50.0	
Trichlorofluoromethane	ND	500	83	50.0	
1,3,5-Trimethylbenzene	ND	50	14	50.0	
Vinyl Acetate	ND	500	140	50.0	
Vinyl Chloride	ND	25	15	50.0	
p/m-Xylene	ND	50	15	50.0	
o-Xylene	ND	50	11	50.0	
Methyl-t-Butyl Ether (MTBE)	ND	50	15	50.0	
Cyclohexane	ND	500	170	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	95	78-126	
1,2-Dichloroethane-d4	97	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 5 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2454	**14-09-0920-2-C**	**09/11/14 07:48**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 18:04**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	22000	120	35	250	B

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 6 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2485	**14-09-0920-3-C**	**09/11/14 09:04**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 18:33**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5.00	
Benzene	470	2.5	0.71	5.00	B
Bromobenzene	ND	5.0	1.5	5.00	
Bromochloromethane	ND	5.0	2.4	5.00	
Bromodichloromethane	ND	5.0	1.0	5.00	
Bromoform	ND	5.0	2.5	5.00	
Bromomethane	ND	50	19	5.00	
2-Butanone	ND	50	11	5.00	
n-Butylbenzene	ND	5.0	1.1	5.00	
sec-Butylbenzene	4.7	5.0	1.2	5.00	J
tert-Butylbenzene	ND	5.0	1.4	5.00	
Carbon Disulfide	ND	50	2.0	5.00	
Carbon Tetrachloride	ND	2.5	1.1	5.00	
Chlorobenzene	ND	5.0	0.86	5.00	
Chloroethane	ND	25	11	5.00	
Chloroform	ND	5.0	2.3	5.00	
Chloromethane	ND	50	8.8	5.00	
2-Chlorotoluene	ND	5.0	1.2	5.00	
4-Chlorotoluene	ND	5.0	0.66	5.00	
Dibromochloromethane	ND	5.0	1.2	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5.00	
1,2-Dibromoethane	ND	5.0	1.8	5.00	
Dibromomethane	ND	5.0	2.3	5.00	
1,2-Dichlorobenzene	ND	5.0	2.3	5.00	
1,3-Dichlorobenzene	ND	5.0	2.0	5.00	
1,4-Dichlorobenzene	ND	5.0	2.2	5.00	
Dichlorodifluoromethane	ND	5.0	2.3	5.00	
1,1-Dichloroethane	ND	5.0	1.4	5.00	
1,2-Dichloroethane	ND	2.5	1.2	5.00	
1,1-Dichloroethene	ND	5.0	2.2	5.00	
c-1,2-Dichloroethene	ND	5.0	2.4	5.00	
t-1,2-Dichloroethene	ND	5.0	1.8	5.00	
1,2-Dichloropropane	ND	5.0	2.1	5.00	
1,3-Dichloropropane	ND	5.0	1.5	5.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 7 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5.00	
1,1-Dichloropropene	ND	5.0	2.3	5.00	
c-1,3-Dichloropropene	ND	2.5	1.2	5.00	
t-1,3-Dichloropropene	ND	2.5	1.3	5.00	
Ethylbenzene	30	5.0	0.69	5.00	
2-Hexanone	ND	50	10	5.00	
Isopropylbenzene	ND	5.0	2.9	5.00	
p-Isopropyltoluene	ND	5.0	0.79	5.00	
Methylene Chloride	ND	50	3.2	5.00	
4-Methyl-2-Pentanone	ND	50	22	5.00	
Naphthalene	ND	50	12	5.00	
n-Propylbenzene	ND	5.0	0.86	5.00	
Styrene	ND	5.0	0.86	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5.00	
Tetrachloroethene	ND	5.0	1.9	5.00	
Toluene	ND	5.0	1.2	5.00	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5.00	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5.00	
1,1,1-Trichloroethane	ND	5.0	1.5	5.00	
1,1,2-Trichloroethane	ND	5.0	1.9	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	3.9	5.00	
Trichloroethene	ND	5.0	1.8	5.00	
1,2,3-Trichloropropane	ND	25	3.2	5.00	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5.00	
Trichlorofluoromethane	ND	50	8.3	5.00	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5.00	
Vinyl Acetate	ND	50	14	5.00	
Vinyl Chloride	ND	2.5	1.5	5.00	
p/m-Xylene	ND	5.0	1.5	5.00	
o-Xylene	ND	5.0	1.1	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.5	5.00	
Cyclohexane	ND	50	17	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 8 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2499	**14-09-0920-4-C**	**09/11/14 09:09**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 19:01**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5.00	
Benzene	570	2.5	0.71	5.00	B
Bromobenzene	ND	5.0	1.5	5.00	
Bromochloromethane	ND	5.0	2.4	5.00	
Bromodichloromethane	ND	5.0	1.0	5.00	
Bromoform	ND	5.0	2.5	5.00	
Bromomethane	ND	50	19	5.00	
2-Butanone	ND	50	11	5.00	
n-Butylbenzene	ND	5.0	1.1	5.00	
sec-Butylbenzene	4.5	5.0	1.2	5.00	J
tert-Butylbenzene	ND	5.0	1.4	5.00	
Carbon Disulfide	ND	50	2.0	5.00	
Carbon Tetrachloride	ND	2.5	1.1	5.00	
Chlorobenzene	ND	5.0	0.86	5.00	
Chloroethane	ND	25	11	5.00	
Chloroform	ND	5.0	2.3	5.00	
Chloromethane	ND	50	8.8	5.00	
2-Chlorotoluene	ND	5.0	1.2	5.00	
4-Chlorotoluene	ND	5.0	0.66	5.00	
Dibromochloromethane	ND	5.0	1.2	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5.00	
1,2-Dibromoethane	ND	5.0	1.8	5.00	
Dibromomethane	ND	5.0	2.3	5.00	
1,2-Dichlorobenzene	ND	5.0	2.3	5.00	
1,3-Dichlorobenzene	ND	5.0	2.0	5.00	
1,4-Dichlorobenzene	ND	5.0	2.2	5.00	
Dichlorodifluoromethane	ND	5.0	2.3	5.00	
1,1-Dichloroethane	ND	5.0	1.4	5.00	
1,2-Dichloroethane	ND	2.5	1.2	5.00	
1,1-Dichloroethene	ND	5.0	2.2	5.00	
c-1,2-Dichloroethene	ND	5.0	2.4	5.00	
t-1,2-Dichloroethene	ND	5.0	1.8	5.00	
1,2-Dichloropropane	ND	5.0	2.1	5.00	
1,3-Dichloropropane	ND	5.0	1.5	5.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 9 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5.00	
1,1-Dichloropropene	ND	5.0	2.3	5.00	
c-1,3-Dichloropropene	ND	2.5	1.2	5.00	
t-1,3-Dichloropropene	ND	2.5	1.3	5.00	
Ethylbenzene	39	5.0	0.69	5.00	
2-Hexanone	ND	50	10	5.00	
Isopropylbenzene	ND	5.0	2.9	5.00	
p-Isopropyltoluene	ND	5.0	0.79	5.00	
Methylene Chloride	ND	50	3.2	5.00	
4-Methyl-2-Pentanone	ND	50	22	5.00	
Naphthalene	ND	50	12	5.00	
n-Propylbenzene	ND	5.0	0.86	5.00	
Styrene	ND	5.0	0.86	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5.00	
Tetrachloroethene	ND	5.0	1.9	5.00	
Toluene	ND	5.0	1.2	5.00	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5.00	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5.00	
1,1,1-Trichloroethane	ND	5.0	1.5	5.00	
1,1,2-Trichloroethane	ND	5.0	1.9	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	3.9	5.00	
Trichloroethene	ND	5.0	1.8	5.00	
1,2,3-Trichloropropane	ND	25	3.2	5.00	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5.00	
Trichlorofluoromethane	ND	50	8.3	5.00	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5.00	
Vinyl Acetate	ND	50	14	5.00	
Vinyl Chloride	ND	2.5	1.5	5.00	
p/m-Xylene	ND	5.0	1.5	5.00	
o-Xylene	ND	5.0	1.1	5.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.5	5.00	
Cyclohexane	ND	50	17	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 10 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2445	**14-09-0920-5-C**	**09/11/14 10:26**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 19:29**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20000	10000	1000	
Benzene	150000	500	140	1000	B
Bromobenzene	ND	1000	300	1000	
Bromochloromethane	ND	1000	480	1000	
Bromodichloromethane	ND	1000	210	1000	
Bromoform	ND	1000	500	1000	
Bromomethane	ND	10000	3900	1000	
2-Butanone	5100	10000	2200	1000	J
n-Butylbenzene	ND	1000	230	1000	
sec-Butylbenzene	ND	1000	250	1000	
tert-Butylbenzene	ND	1000	280	1000	
Carbon Disulfide	ND	10000	410	1000	
Carbon Tetrachloride	ND	500	230	1000	
Chlorobenzene	ND	1000	170	1000	
Chloroethane	ND	5000	2300	1000	
Chloroform	ND	1000	460	1000	
Chloromethane	ND	10000	1800	1000	
2-Chlorotoluene	ND	1000	240	1000	
4-Chlorotoluene	ND	1000	130	1000	
Dibromochloromethane	ND	1000	250	1000	
1,2-Dibromo-3-Chloropropane	ND	5000	1200	1000	
1,2-Dibromoethane	ND	1000	360	1000	
Dibromomethane	ND	1000	460	1000	
1,2-Dichlorobenzene	ND	1000	460	1000	
1,3-Dichlorobenzene	ND	1000	400	1000	
1,4-Dichlorobenzene	ND	1000	430	1000	
Dichlorodifluoromethane	ND	1000	460	1000	
1,1-Dichloroethane	ND	1000	280	1000	
1,2-Dichloroethane	ND	500	240	1000	
1,1-Dichloroethene	ND	1000	430	1000	
c-1,2-Dichloroethene	ND	1000	480	1000	
t-1,2-Dichloroethene	ND	1000	370	1000	
1,2-Dichloropropane	ND	1000	420	1000	
1,3-Dichloropropane	ND	1000	300	1000	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 11 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1000	360	1000	
1,1-Dichloropropene	ND	1000	460	1000	
c-1,3-Dichloropropene	ND	500	250	1000	
t-1,3-Dichloropropene	ND	500	250	1000	
Ethylbenzene	2400	1000	140	1000	
2-Hexanone	ND	10000	2100	1000	
Isopropylbenzene	ND	1000	580	1000	
p-Isopropyltoluene	ND	1000	160	1000	
Methylene Chloride	ND	10000	640	1000	
4-Methyl-2-Pentanone	ND	10000	4400	1000	
Naphthalene	ND	10000	2500	1000	
n-Propylbenzene	ND	1000	170	1000	
Styrene	4000	1000	170	1000	
1,1,1,2-Tetrachloroethane	ND	1000	400	1000	
1,1,2,2-Tetrachloroethane	ND	1000	410	1000	
Tetrachloroethene	ND	1000	390	1000	
Toluene	46000	1000	240	1000	
1,2,3-Trichlorobenzene	ND	1000	510	1000	
1,2,4-Trichlorobenzene	ND	1000	500	1000	
1,1,1-Trichloroethane	ND	1000	300	1000	
1,1,2-Trichloroethane	ND	1000	380	1000	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	780	1000	
Trichloroethene	ND	1000	370	1000	
1,2,3-Trichloropropane	ND	5000	640	1000	
1,2,4-Trimethylbenzene	ND	1000	360	1000	
Trichlorofluoromethane	ND	10000	1700	1000	
1,3,5-Trimethylbenzene	ND	1000	280	1000	
Vinyl Acetate	ND	10000	2800	1000	
Vinyl Chloride	ND	500	300	1000	
p/m-Xylene	4600	1000	300	1000	
o-Xylene	1700	1000	230	1000	
Methyl-t-Butyl Ether (MTBE)	ND	1000	310	1000	
Tert-Butyl Alcohol (TBA)	24000	10000	4600	1000	
Diisopropyl Ether (DIPE)	ND	2000	330	1000	
Ethyl-t-Butyl Ether (ETBE)	ND	2000	440	1000	
Tert-Amyl-Methyl Ether (TAME)	ND	2000	220	1000	
Ethanol	ND	100000	50000	1000	
Cyclohexane	ND	10000	3500	1000	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 12 of 31

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 13 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2447	**14-09-0920-6-A**	**09/11/14 14:12**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 01:43**	**140912L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	18	20	10	1.00	J
Benzene	62	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	3.0	10	2.2	1.00	J
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 14 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	0.44	1.0	0.14	1.00	J
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	0.38	1.0	0.23	1.00	J
Methyl-t-Butyl Ether (MTBE)	6.9	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	116	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	93	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 15 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2415	**14-09-0920-7-C**	**09/11/14 11:46**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 19:57**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50000	25000	2500	
Benzene	330000	1200	350	2500	B
Bromobenzene	ND	2500	760	2500	
Bromochloromethane	ND	2500	1200	2500	
Bromodichloromethane	ND	2500	520	2500	
Bromoform	ND	2500	1300	2500	
Bromomethane	ND	25000	9700	2500	
2-Butanone	ND	25000	5500	2500	
n-Butylbenzene	ND	2500	570	2500	
sec-Butylbenzene	ND	2500	610	2500	
tert-Butylbenzene	ND	2500	690	2500	
Carbon Disulfide	ND	25000	1000	2500	
Carbon Tetrachloride	ND	1200	560	2500	
Chlorobenzene	ND	2500	430	2500	
Chloroethane	ND	12000	5700	2500	
Chloroform	ND	2500	1200	2500	
Chloromethane	ND	25000	4400	2500	
2-Chlorotoluene	ND	2500	600	2500	
4-Chlorotoluene	ND	2500	330	2500	
Dibromochloromethane	ND	2500	620	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	3100	2500	
1,2-Dibromoethane	ND	2500	900	2500	
Dibromomethane	ND	2500	1200	2500	
1,2-Dichlorobenzene	ND	2500	1100	2500	
1,3-Dichlorobenzene	ND	2500	1000	2500	
1,4-Dichlorobenzene	ND	2500	1100	2500	
Dichlorodifluoromethane	ND	2500	1100	2500	
1,1-Dichloroethane	ND	2500	700	2500	
1,2-Dichloroethane	ND	1200	600	2500	
1,1-Dichloroethene	ND	2500	1100	2500	
c-1,2-Dichloroethene	ND	2500	1200	2500	
t-1,2-Dichloroethene	ND	2500	920	2500	
1,2-Dichloropropane	ND	2500	1100	2500	
1,3-Dichloropropane	ND	2500	760	2500	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 16 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2500	910	2500	
1,1-Dichloropropene	ND	2500	1200	2500	
c-1,3-Dichloropropene	ND	1200	610	2500	
t-1,3-Dichloropropene	ND	1200	640	2500	
Ethylbenzene	ND	2500	350	2500	
2-Hexanone	ND	25000	5200	2500	
Isopropylbenzene	ND	2500	1500	2500	
p-Isopropyltoluene	ND	2500	390	2500	
Methylene Chloride	ND	25000	1600	2500	
4-Methyl-2-Pentanone	ND	25000	11000	2500	
Naphthalene	ND	25000	6200	2500	
n-Propylbenzene	ND	2500	430	2500	
Styrene	ND	2500	430	2500	
1,1,1,2-Tetrachloroethane	ND	2500	1000	2500	
1,1,2,2-Tetrachloroethane	ND	2500	1000	2500	
Tetrachloroethene	ND	2500	970	2500	
Toluene	ND	2500	590	2500	
1,2,3-Trichlorobenzene	ND	2500	1300	2500	
1,2,4-Trichlorobenzene	ND	2500	1200	2500	
1,1,1-Trichloroethane	ND	2500	760	2500	
1,1,2-Trichloroethane	ND	2500	960	2500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2000	2500	
Trichloroethene	ND	2500	920	2500	
1,2,3-Trichloropropane	ND	12000	1600	2500	
1,2,4-Trimethylbenzene	ND	2500	900	2500	
Trichlorofluoromethane	ND	25000	4100	2500	
1,3,5-Trimethylbenzene	ND	2500	710	2500	
Vinyl Acetate	ND	25000	7000	2500	
Vinyl Chloride	ND	1200	750	2500	
p/m-Xylene	ND	2500	750	2500	
o-Xylene	ND	2500	570	2500	
Methyl-t-Butyl Ether (MTBE)	ND	2500	770	2500	
Cyclohexane	ND	25000	8600	2500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 17 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2450	**14-09-0920-8-C**	**09/11/14 15:05**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 20:25**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50000	25000	2500	
Benzene	330000	1200	350	2500	B
Bromobenzene	ND	2500	760	2500	
Bromochloromethane	ND	2500	1200	2500	
Bromodichloromethane	ND	2500	520	2500	
Bromoform	ND	2500	1300	2500	
Bromomethane	ND	25000	9700	2500	
2-Butanone	ND	25000	5500	2500	
n-Butylbenzene	ND	2500	570	2500	
sec-Butylbenzene	ND	2500	610	2500	
tert-Butylbenzene	ND	2500	690	2500	
Carbon Disulfide	ND	25000	1000	2500	
Carbon Tetrachloride	ND	1200	560	2500	
Chlorobenzene	ND	2500	430	2500	
Chloroethane	ND	12000	5700	2500	
Chloroform	ND	2500	1200	2500	
Chloromethane	ND	25000	4400	2500	
2-Chlorotoluene	ND	2500	600	2500	
4-Chlorotoluene	ND	2500	330	2500	
Dibromochloromethane	ND	2500	620	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	3100	2500	
1,2-Dibromoethane	ND	2500	900	2500	
Dibromomethane	ND	2500	1200	2500	
1,2-Dichlorobenzene	ND	2500	1100	2500	
1,3-Dichlorobenzene	ND	2500	1000	2500	
1,4-Dichlorobenzene	ND	2500	1100	2500	
Dichlorodifluoromethane	ND	2500	1100	2500	
1,1-Dichloroethane	ND	2500	700	2500	
1,2-Dichloroethane	ND	1200	600	2500	
1,1-Dichloroethene	ND	2500	1100	2500	
c-1,2-Dichloroethene	ND	2500	1200	2500	
t-1,2-Dichloroethene	ND	2500	920	2500	
1,2-Dichloropropane	ND	2500	1100	2500	
1,3-Dichloropropane	ND	2500	760	2500	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 18 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2500	910	2500	
1,1-Dichloropropene	ND	2500	1200	2500	
c-1,3-Dichloropropene	ND	1200	610	2500	
t-1,3-Dichloropropene	ND	1200	640	2500	
Ethylbenzene	ND	2500	350	2500	
2-Hexanone	ND	25000	5200	2500	
Isopropylbenzene	ND	2500	1500	2500	
p-Isopropyltoluene	ND	2500	390	2500	
Methylene Chloride	ND	25000	1600	2500	
4-Methyl-2-Pentanone	ND	25000	11000	2500	
Naphthalene	ND	25000	6200	2500	
n-Propylbenzene	ND	2500	430	2500	
Styrene	ND	2500	430	2500	
1,1,1,2-Tetrachloroethane	ND	2500	1000	2500	
1,1,2,2-Tetrachloroethane	ND	2500	1000	2500	
Tetrachloroethene	ND	2500	970	2500	
Toluene	ND	2500	590	2500	
1,2,3-Trichlorobenzene	ND	2500	1300	2500	
1,2,4-Trichlorobenzene	ND	2500	1200	2500	
1,1,1-Trichloroethane	ND	2500	760	2500	
1,1,2-Trichloroethane	ND	2500	960	2500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2000	2500	
Trichloroethene	ND	2500	920	2500	
1,2,3-Trichloropropane	ND	12000	1600	2500	
1,2,4-Trimethylbenzene	ND	2500	900	2500	
Trichlorofluoromethane	ND	25000	4100	2500	
1,3,5-Trimethylbenzene	ND	2500	710	2500	
Vinyl Acetate	ND	25000	7000	2500	
Vinyl Chloride	ND	1200	750	2500	
p/m-Xylene	ND	2500	750	2500	
o-Xylene	ND	2500	570	2500	
Methyl-t-Butyl Ether (MTBE)	ND	2500	770	2500	
Cyclohexane	ND	25000	8600	2500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 19 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2500	**14-09-0920-9-C**	**09/11/14 15:10**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 20:53**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50000	25000	2500	
Benzene	280000	1200	350	2500	B
Bromobenzene	ND	2500	760	2500	
Bromochloromethane	ND	2500	1200	2500	
Bromodichloromethane	ND	2500	520	2500	
Bromoform	ND	2500	1300	2500	
Bromomethane	ND	25000	9700	2500	
2-Butanone	ND	25000	5500	2500	
n-Butylbenzene	ND	2500	570	2500	
sec-Butylbenzene	ND	2500	610	2500	
tert-Butylbenzene	ND	2500	690	2500	
Carbon Disulfide	ND	25000	1000	2500	
Carbon Tetrachloride	ND	1200	560	2500	
Chlorobenzene	ND	2500	430	2500	
Chloroethane	ND	12000	5700	2500	
Chloroform	ND	2500	1200	2500	
Chloromethane	ND	25000	4400	2500	
2-Chlorotoluene	ND	2500	600	2500	
4-Chlorotoluene	ND	2500	330	2500	
Dibromochloromethane	ND	2500	620	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	3100	2500	
1,2-Dibromoethane	ND	2500	900	2500	
Dibromomethane	ND	2500	1200	2500	
1,2-Dichlorobenzene	ND	2500	1100	2500	
1,3-Dichlorobenzene	ND	2500	1000	2500	
1,4-Dichlorobenzene	ND	2500	1100	2500	
Dichlorodifluoromethane	ND	2500	1100	2500	
1,1-Dichloroethane	ND	2500	700	2500	
1,2-Dichloroethane	ND	1200	600	2500	
1,1-Dichloroethene	ND	2500	1100	2500	
c-1,2-Dichloroethene	ND	2500	1200	2500	
t-1,2-Dichloroethene	ND	2500	920	2500	
1,2-Dichloropropane	ND	2500	1100	2500	
1,3-Dichloropropane	ND	2500	760	2500	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 20 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2500	910	2500	
1,1-Dichloropropene	ND	2500	1200	2500	
c-1,3-Dichloropropene	ND	1200	610	2500	
t-1,3-Dichloropropene	ND	1200	640	2500	
Ethylbenzene	ND	2500	350	2500	
2-Hexanone	ND	25000	5200	2500	
Isopropylbenzene	ND	2500	1500	2500	
p-Isopropyltoluene	ND	2500	390	2500	
Methylene Chloride	ND	25000	1600	2500	
4-Methyl-2-Pentanone	ND	25000	11000	2500	
Naphthalene	ND	25000	6200	2500	
n-Propylbenzene	ND	2500	430	2500	
Styrene	ND	2500	430	2500	
1,1,1,2-Tetrachloroethane	ND	2500	1000	2500	
1,1,2,2-Tetrachloroethane	ND	2500	1000	2500	
Tetrachloroethene	ND	2500	970	2500	
Toluene	ND	2500	590	2500	
1,2,3-Trichlorobenzene	ND	2500	1300	2500	
1,2,4-Trichlorobenzene	ND	2500	1200	2500	
1,1,1-Trichloroethane	ND	2500	760	2500	
1,1,2-Trichloroethane	ND	2500	960	2500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2000	2500	
Trichloroethene	ND	2500	920	2500	
1,2,3-Trichloropropane	ND	12000	1600	2500	
1,2,4-Trimethylbenzene	ND	2500	900	2500	
Trichlorofluoromethane	ND	25000	4100	2500	
1,3,5-Trimethylbenzene	ND	2500	710	2500	
Vinyl Acetate	ND	25000	7000	2500	
Vinyl Chloride	ND	1200	750	2500	
p/m-Xylene	ND	2500	750	2500	
o-Xylene	ND	2500	570	2500	
Methyl-t-Butyl Ether (MTBE)	ND	2500	770	2500	
Cyclohexane	ND	25000	8600	2500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	99	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 21 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2051	**14-09-0920-10-C**	**09/11/14 15:35**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 09:12**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 22 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	1.2	10	0.64	1.00	J
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	100	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 23 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15147**	**N/A**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 00:19**	**140912L054**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 24 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 25 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15168**	**N/A**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:17**	**140916L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 26 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 27 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15172**	**N/A**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 00:39**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 28 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 29 of 31

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15176**	**N/A**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 12:50**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.16	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 30 of 31

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Tert-Butyl Alcohol (TBA)	ND	10	4.6	1.00	
Diisopropyl Ether (DIPE)	ND	2.0	0.33	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1.00	
Ethanol	ND	100	50	1.00	
Cyclohexane	ND	10	3.5	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo Superfund / 29500829.05			Page 31 of 31

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	94	78-126	
1,2-Dichloroethane-d4	96	75-135	
Toluene-d8	99	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2415	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 12:21**	**140912S01**
GWS2415	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 14:33**	**140912S01**
GWS2415	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 14:48**	**140912S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	ND	500.0	529.7	106	528.3	106	80-120	0	0-20	
Sulfate	137.1	5000	5354	104	5353	104	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2415	**Sample**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**
GWS2415	**Matrix Spike**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**
GWS2415	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	2.750	1.000	3.660	91	3.710	96	70-130	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo Superfund / 29500829.05			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2445	**Sample**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:15**	**140912SA5**
GWS2445	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:16**	**140912SA5**
GWS2445	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 20:17**	**140912SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	1.681	0.5000	2.154	94	2.059	75	86-116	5	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2447	**Sample**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 01:43**	**140912S030**
GWS2447	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 02:10**	**140912S030**
GWS2447	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 02:39**	**140912S030**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	62.44	50.00	101.3	78	105.3	86	74-122	4	0-21	
Carbon Tetrachloride	ND	50.00	46.61	93	47.63	95	60-144	2	0-21	
Chlorobenzene	ND	50.00	52.45	105	53.14	106	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	55.39	111	54.96	110	80-122	1	0-20	
1,2-Dichlorobenzene	ND	50.00	51.42	103	52.40	105	70-120	2	0-26	
1,2-Dichloroethane	ND	50.00	47.65	95	45.57	91	64-142	4	0-20	
1,1-Dichloroethene	ND	50.00	50.72	101	47.51	95	52-136	7	0-21	
Ethylbenzene	ND	50.00	52.51	105	53.76	108	77-125	2	0-24	
Toluene	ND	50.00	48.47	97	48.65	97	72-126	0	0-23	
Trichloroethene	ND	50.00	46.80	94	45.67	91	74-128	2	0-22	
Vinyl Chloride	ND	50.00	41.13	82	43.25	87	67-133	5	0-20	
p/m-Xylene	ND	100.0	108.9	109	110.0	110	63-129	1	0-25	
o-Xylene	ND	50.00	55.90	112	56.41	113	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	6.936	50.00	56.56	99	58.24	103	68-134	3	0-21	
Tert-Butyl Alcohol (TBA)	3426	250.0	3697	108	3295	0	65-143	12	0-30	3
Diisopropyl Ether (DIPE)	ND	50.00	49.72	99	49.27	99	61-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	52.27	105	52.50	105	64-136	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.81	100	49.74	99	67-133	0	0-20	
Ethanol	ND	500.0	570.1	114	459.0	92	34-178	22	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2447	**Sample**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 01:43**	**140912S030**
GWS2447	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 02:10**	**140912S030**
GWS2447	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/13/14 02:39**	**140912S030**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	56.09	112	56.49	113	80-120	
Dibromofluoromethane	50.00	48.78	98	48.65	97	78-126	
1,2-Dichloroethane-d4	50.00	46.91	94	45.19	90	75-135	
Toluene-d8	50.00	46.80	94	46.50	93	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1076-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:46**	**140916S005**
14-09-1076-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 14:43**	**140916S005**
14-09-1076-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 15:12**	**140916S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	50.90	102	51.94	104	40-140	2	0-20	
Benzene	ND	50.00	49.15	98	47.08	94	80-120	4	0-20	
Bromobenzene	ND	50.00	51.60	103	47.61	95	75-125	8	0-20	
Bromochloromethane	ND	50.00	48.35	97	46.69	93	65-135	4	0-20	
Bromodichloromethane	ND	50.00	54.04	108	50.18	100	75-120	7	0-20	
Bromoform	ND	50.00	51.49	103	52.11	104	70-130	1	0-20	
Bromomethane	ND	50.00	34.09	68	31.97	64	30-145	6	0-20	
2-Butanone	ND	50.00	46.82	94	44.87	90	30-150	4	0-20	
n-Butylbenzene	ND	50.00	54.52	109	54.61	109	70-135	0	0-20	
sec-Butylbenzene	ND	50.00	53.82	108	54.45	109	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	53.77	108	55.30	111	70-130	3	0-20	
Carbon Disulfide	ND	50.00	46.69	93	46.27	93	35-160	1	0-20	
Carbon Tetrachloride	ND	50.00	51.35	103	49.92	100	65-140	3	0-20	
Chlorobenzene	ND	50.00	50.83	102	48.81	98	80-120	4	0-20	
Chloroethane	ND	50.00	64.35	129	53.83	108	60-135	18	0-20	
Chloroform	ND	50.00	49.09	98	45.80	92	65-135	7	0-20	
Chloromethane	ND	50.00	49.22	98	46.67	93	40-125	5	0-20	
2-Chlorotoluene	ND	50.00	53.90	108	50.25	100	75-125	7	0-20	
4-Chlorotoluene	ND	50.00	49.71	99	49.41	99	75-130	1	0-20	
Dibromochloromethane	ND	50.00	54.76	110	50.71	101	60-135	8	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	51.95	104	52.31	105	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	51.05	102	48.36	97	80-120	5	0-20	
Dibromomethane	ND	50.00	51.11	102	47.88	96	75-125	7	0-20	
1,2-Dichlorobenzene	ND	50.00	50.68	101	49.67	99	70-120	2	0-20	
1,3-Dichlorobenzene	ND	50.00	51.10	102	51.05	102	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	47.28	95	46.11	92	75-125	3	0-20	
Dichlorodifluoromethane	ND	50.00	62.09	124	59.71	119	30-155	4	0-20	
1,1-Dichloroethane	ND	50.00	45.96	92	44.17	88	70-135	4	0-20	
1,2-Dichloroethane	ND	50.00	50.80	102	45.61	91	70-130	11	0-20	
1,1-Dichloroethene	ND	50.00	50.69	101	48.41	97	70-130	5	0-20	
c-1,2-Dichloroethene	ND	50.00	51.80	104	51.23	102	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	49.76	100	48.45	97	60-140	3	0-20	
1,2-Dichloropropane	ND	50.00	48.39	97	45.91	92	75-125	5	0-20	
1,3-Dichloropropane	ND	50.00	47.94	96	44.77	90	75-125	7	0-20	
2,2-Dichloropropane	ND	50.00	48.89	98	47.65	95	70-135	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 7 of 14

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	51.05	102	49.81	100	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	54.06	108	52.18	104	70-130	4	0-20	
t-1,3-Dichloropropene	ND	50.00	43.03	86	41.28	83	55-140	4	0-20	
Ethylbenzene	ND	50.00	52.22	104	50.15	100	75-125	4	0-20	
2-Hexanone	ND	50.00	48.69	97	49.38	99	55-130	1	0-20	
Isopropylbenzene	ND	50.00	56.65	113	54.05	108	75-125	5	0-20	
p-Isopropyltoluene	ND	50.00	48.58	97	48.62	97	75-130	0	0-20	
Methylene Chloride	ND	50.00	49.96	100	47.80	96	55-140	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	52.05	104	50.94	102	60-135	2	0-20	
Naphthalene	ND	50.00	56.77	114	57.19	114	55-140	1	0-20	
n-Propylbenzene	ND	50.00	53.46	107	50.57	101	70-130	6	0-20	
Styrene	ND	50.00	51.30	103	46.33	93	65-135	10	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	50.96	102	48.21	96	80-130	6	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.94	98	49.26	99	65-130	1	0-20	
Tetrachloroethene	ND	50.00	42.96	86	41.76	84	45-150	3	0-20	
Toluene	ND	50.00	51.33	103	49.49	99	75-120	4	0-20	
1,2,3-Trichlorobenzene	ND	50.00	55.49	111	54.07	108	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	55.03	110	53.51	107	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.75	105	50.36	101	65-130	5	0-20	
1,1,2-Trichloroethane	ND	50.00	46.46	93	43.74	87	75-125	6	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	50.36	101	48.00	96	80-130	5	0-20	
Trichloroethene	ND	50.00	50.47	101	47.72	95	70-125	6	0-20	
1,2,3-Trichloropropane	ND	50.00	52.12	104	48.70	97	75-125	7	0-20	
1,2,4-Trimethylbenzene	ND	50.00	51.69	103	51.08	102	75-130	1	0-20	
Trichlorofluoromethane	ND	50.00	53.20	106	48.34	97	60-145	10	0-20	
1,3,5-Trimethylbenzene	ND	50.00	55.90	112	51.80	104	75-130	8	0-20	
Vinyl Acetate	ND	50.00	51.45	103	48.85	98	80-120	5	0-20	
Vinyl Chloride	ND	50.00	49.87	100	48.09	96	50-145	4	0-20	
p/m-Xylene	ND	100.0	108.5	109	102.0	102	75-130	6	0-20	
o-Xylene	ND	50.00	55.88	112	53.17	106	80-120	5	0-20	
Methyl-t-Butyl Ether (MTBE)	4.265	50.00	52.17	96	51.42	94	65-125	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	222.8	89	228.6	91	46-154	3	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	45.84	92	43.82	88	81-123	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.09	96	47.20	94	74-122	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.22	98	47.10	94	76-124	4	0-20	
Ethanol	ND	500.0	409.4	82	443.0	89	60-138	8	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1076-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:46**	**140916S005**
14-09-1076-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 14:43**	**140916S005**
14-09-1076-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 15:12**	**140916S005**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.66	105	50.37	101	75-120	
Dibromofluoromethane	50.00	50.38	101	50.06	100	85-115	
1,2-Dichloroethane-d4	50.00	50.52	101	48.31	97	70-120	
Toluene-d8	50.00	50.88	102	50.11	100	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1204-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 13:47**	**140917S007**
14-09-1204-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 14:44**	**140917S007**
14-09-1204-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 15:13**	**140917S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	36.94	74	39.62	79	40-140	7	0-20	
Benzene	ND	50.00	49.49	99	48.95	98	80-120	1	0-20	
Bromobenzene	ND	50.00	53.67	107	52.70	105	75-125	2	0-20	
Bromochloromethane	ND	50.00	50.59	101	49.57	99	65-135	2	0-20	
Bromodichloromethane	ND	50.00	55.80	112	56.89	114	75-120	2	0-20	
Bromoform	ND	50.00	56.02	112	57.65	115	70-130	3	0-20	
Bromomethane	ND	50.00	57.60	115	50.19	100	30-145	14	0-20	
2-Butanone	ND	50.00	43.07	86	43.02	86	30-150	0	0-20	
n-Butylbenzene	ND	50.00	54.22	108	52.65	105	70-135	3	0-20	
sec-Butylbenzene	ND	50.00	54.24	108	53.18	106	70-125	2	0-20	
tert-Butylbenzene	ND	50.00	55.79	112	54.20	108	70-130	3	0-20	
Carbon Disulfide	ND	50.00	44.05	88	43.92	88	35-160	0	0-20	
Carbon Tetrachloride	ND	50.00	51.28	103	52.10	104	65-140	2	0-20	
Chlorobenzene	ND	50.00	52.05	104	50.63	101	80-120	3	0-20	
Chloroethane	ND	50.00	49.04	98	50.13	100	60-135	2	0-20	
Chloroform	ND	50.00	50.24	100	49.61	99	65-135	1	0-20	
Chloromethane	ND	50.00	50.54	101	50.53	101	40-125	0	0-20	
2-Chlorotoluene	ND	50.00	55.54	111	54.14	108	75-125	3	0-20	
4-Chlorotoluene	ND	50.00	52.38	105	50.88	102	75-130	3	0-20	
Dibromochloromethane	ND	50.00	57.18	114	57.46	115	60-135	0	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	50.93	102	50.60	101	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	52.96	106	52.23	104	80-120	1	0-20	
Dibromomethane	ND	50.00	54.29	109	53.18	106	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	54.71	109	52.87	106	70-120	3	0-20	
1,3-Dichlorobenzene	ND	50.00	53.87	108	52.67	105	75-125	2	0-20	
1,4-Dichlorobenzene	ND	50.00	50.40	101	48.41	97	75-125	4	0-20	
Dichlorodifluoromethane	ND	50.00	63.96	128	63.89	128	30-155	0	0-20	
1,1-Dichloroethane	ND	50.00	46.29	93	45.30	91	70-135	2	0-20	
1,2-Dichloroethane	ND	50.00	53.88	108	53.07	106	70-130	2	0-20	
1,1-Dichloroethene	ND	50.00	50.06	100	48.92	98	70-130	2	0-20	
c-1,2-Dichloroethene	ND	50.00	53.11	106	51.57	103	70-125	3	0-20	
t-1,2-Dichloroethene	ND	50.00	49.32	99	49.01	98	60-140	1	0-20	
1,2-Dichloropropane	ND	50.00	48.90	98	48.67	97	75-125	0	0-20	
1,3-Dichloropropane	ND	50.00	49.72	99	49.49	99	75-125	0	0-20	
2,2-Dichloropropane	ND	50.00	48.72	97	48.65	97	70-135	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 10 of 14

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	50.30	101	48.74	97	75-130	3	0-20	
c-1,3-Dichloropropene	ND	50.00	55.62	111	55.36	111	70-130	0	0-20	
t-1,3-Dichloropropene	ND	50.00	45.18	90	44.69	89	55-140	1	0-20	
Ethylbenzene	ND	50.00	52.22	104	51.04	102	75-125	2	0-20	
2-Hexanone	ND	50.00	47.54	95	48.30	97	55-130	2	0-20	
Isopropylbenzene	ND	50.00	56.20	112	54.66	109	75-125	3	0-20	
p-Isopropyltoluene	ND	50.00	48.86	98	47.63	95	75-130	3	0-20	
Methylene Chloride	ND	50.00	52.19	104	50.64	101	55-140	3	0-20	
4-Methyl-2-Pentanone	ND	50.00	50.91	102	50.58	101	60-135	1	0-20	
Naphthalene	ND	50.00	54.75	110	52.92	106	55-140	3	0-20	
n-Propylbenzene	ND	50.00	53.04	106	51.38	103	70-130	3	0-20	
Styrene	ND	50.00	46.24	92	43.04	86	65-135	7	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	53.46	107	54.83	110	80-130	3	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	50.38	101	49.36	99	65-130	2	0-20	
Tetrachloroethene	ND	50.00	45.58	91	43.73	87	45-150	4	0-20	
Toluene	ND	50.00	51.61	103	50.79	102	75-120	2	0-20	
1,2,3-Trichlorobenzene	ND	50.00	57.46	115	55.64	111	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	56.98	114	55.49	111	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.91	106	51.73	103	65-130	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	51.17	102	48.81	98	80-130	5	0-20	
1,1,2-Trichloroethane	ND	50.00	48.47	97	47.48	95	75-125	2	0-20	
Trichloroethene	ND	50.00	51.06	102	49.42	99	70-125	3	0-20	
Trichlorofluoromethane	ND	50.00	54.40	109	53.42	107	60-145	2	0-20	
1,2,3-Trichloropropane	ND	50.00	53.41	107	53.16	106	75-125	0	0-20	
1,2,4-Trimethylbenzene	ND	50.00	52.66	105	49.75	100	75-130	6	0-20	
1,3,5-Trimethylbenzene	ND	50.00	56.48	113	54.43	109	75-130	4	0-20	
Vinyl Acetate	ND	50.00	46.86	94	46.26	93	80-120	1	0-20	
Vinyl Chloride	ND	50.00	51.13	102	50.80	102	50-145	1	0-20	
p/m-Xylene	ND	100.0	107.9	108	105.5	106	75-130	2	0-20	
o-Xylene	ND	50.00	56.98	114	56.07	112	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	51.13	102	51.85	104	65-125	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	264.9	106	274.2	110	46-154	3	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	47.71	95	46.58	93	81-123	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.69	101	50.61	101	74-122	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.94	102	51.50	103	76-124	1	0-20	
Ethanol	ND	500.0	477.6	96	456.0	91	60-138	5	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1204-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 13:47**	**140917S007**
14-09-1204-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 14:44**	**140917S007**
14-09-1204-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 15:13**	**140917S007**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.64	103	51.96	104	75-120	
Dibromofluoromethane	50.00	49.80	100	48.84	98	85-115	
1,2-Dichloroethane-d4	50.00	50.68	101	49.28	99	70-120	
Toluene-d8	50.00	50.08	100	50.73	101	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	38.01	76	35.67	71	40-140	6	0-20	
Benzene	ND	50.00	48.40	97	49.06	98	80-120	1	0-20	
Bromobenzene	ND	50.00	54.32	109	52.95	106	75-125	3	0-20	
Bromochloromethane	ND	50.00	50.21	100	50.35	101	65-135	0	0-20	
Bromodichloromethane	ND	50.00	57.73	115	57.82	116	75-120	0	0-20	
Bromoform	ND	50.00	57.61	115	58.62	117	70-130	2	0-20	
Bromomethane	ND	50.00	62.23	124	54.73	109	30-145	13	0-20	
2-Butanone	ND	50.00	40.88	82	40.75	82	30-150	0	0-20	
n-Butylbenzene	ND	50.00	49.73	99	49.52	99	70-135	0	0-20	
sec-Butylbenzene	ND	50.00	51.66	103	52.08	104	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	53.52	107	53.59	107	70-130	0	0-20	
Carbon Disulfide	ND	50.00	41.48	83	42.53	85	35-160	2	0-20	
Carbon Tetrachloride	ND	50.00	52.57	105	53.61	107	65-140	2	0-20	
Chlorobenzene	ND	50.00	52.17	104	51.57	103	80-120	1	0-20	
Chloroethane	ND	50.00	45.40	91	53.16	106	60-135	16	0-20	
Chloroform	ND	50.00	50.41	101	50.10	100	65-135	1	0-20	
Chloromethane	ND	50.00	44.78	90	53.11	106	40-125	17	0-20	
2-Chlorotoluene	ND	50.00	54.46	109	53.33	107	75-125	2	0-20	
4-Chlorotoluene	ND	50.00	50.22	100	49.99	100	75-130	0	0-20	
Dibromochloromethane	ND	50.00	60.84	122	59.93	120	60-135	2	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	50.98	102	51.66	103	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	54.00	108	51.99	104	80-120	4	0-20	
Dibromomethane	ND	50.00	53.43	107	54.50	109	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	52.89	106	52.48	105	70-120	1	0-20	
1,3-Dichlorobenzene	ND	50.00	51.28	103	51.04	102	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	47.91	96	47.15	94	75-125	2	0-20	
Dichlorodifluoromethane	ND	50.00	62.43	125	63.92	128	30-155	2	0-20	
1,1-Dichloroethane	ND	50.00	45.26	91	45.24	90	70-135	0	0-20	
1,2-Dichloroethane	ND	50.00	56.33	113	55.72	111	70-130	1	0-20	
1,1-Dichloroethene	ND	50.00	47.75	96	48.33	97	70-130	1	0-20	
c-1,2-Dichloroethene	ND	50.00	51.24	102	51.81	104	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	47.84	96	47.12	94	60-140	2	0-20	
1,2-Dichloropropane	ND	50.00	48.38	97	48.46	97	75-125	0	0-20	
1,3-Dichloropropane	ND	50.00	50.51	101	49.48	99	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	42.87	86	44.09	88	70-135	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 13 of 14

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	47.95	96	48.93	98	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	53.53	107	54.05	108	70-130	1	0-20	
t-1,3-Dichloropropene	ND	50.00	43.22	86	43.40	87	55-140	0	0-20	
Ethylbenzene	ND	50.00	51.61	103	51.20	102	75-125	1	0-20	
2-Hexanone	ND	50.00	45.45	91	46.91	94	55-130	3	0-20	
Isopropylbenzene	ND	50.00	55.13	110	54.65	109	75-125	1	0-20	
p-Isopropyltoluene	ND	50.00	46.55	93	46.32	93	75-130	0	0-20	
Methylene Chloride	ND	50.00	48.95	98	50.82	102	55-140	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.36	99	49.87	100	60-135	1	0-20	
Naphthalene	ND	50.00	48.85	98	46.43	93	55-140	5	0-20	
n-Propylbenzene	ND	50.00	51.90	104	50.86	102	70-130	2	0-20	
Styrene	ND	50.00	44.49	89	37.77	76	65-135	16	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	55.79	112	55.31	111	80-130	1	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.35	97	48.18	96	65-130	0	0-20	
Tetrachloroethene	ND	50.00	47.74	95	47.23	94	45-150	1	0-20	
Toluene	ND	50.00	50.86	102	50.74	101	75-120	0	0-20	
1,2,3-Trichlorobenzene	ND	50.00	53.52	107	52.19	104	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	50.43	101	49.09	98	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.62	105	52.46	105	65-130	0	0-20	
1,1,2-Trichloroethane	ND	50.00	47.78	96	47.47	95	75-125	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	47.99	96	49.76	100	80-130	4	0-20	
Trichloroethene	ND	50.00	50.70	101	50.83	102	70-125	0	0-20	
1,2,3-Trichloropropane	ND	50.00	55.63	111	52.45	105	75-125	6	0-20	
1,2,4-Trimethylbenzene	ND	50.00	47.58	95	44.33	89	75-130	7	0-20	
Trichlorofluoromethane	ND	50.00	53.77	108	53.96	108	60-145	0	0-20	
1,3,5-Trimethylbenzene	ND	50.00	54.64	109	53.42	107	75-130	2	0-20	
Vinyl Acetate	ND	50.00	34.97	70	35.96	72	80-120	3	0-20	3
Vinyl Chloride	ND	50.00	46.12	92	52.66	105	50-145	13	0-20	
p/m-Xylene	ND	100.0	105.5	105	103.7	104	75-130	2	0-20	
o-Xylene	ND	50.00	56.79	114	55.62	111	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.08	100	49.00	98	65-125	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	294.5	118	255.3	102	46-154	14	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	46.10	92	46.06	92	81-123	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.45	99	49.21	98	74-122	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.53	101	50.75	101	76-124	0	0-20	
Ethanol	ND	500.0	549.8	110	587.3	117	60-138	7	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.33	105	51.69	103	75-120	
Dibromofluoromethane	50.00	47.86	96	48.55	97	85-115	
1,2-Dichloroethane-d4	50.00	51.04	102	49.99	100	70-120	
Toluene-d8	50.00	51.02	102	50.63	101	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo Superfund / 29500829.05			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2415	**Sample**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 17:11**	**140917D02**
GWS2415	**Sample Duplicate**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 18:03**	**140917D02**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	2082	1929	8	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2454	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKD4**
GWS2454	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	1080	1070	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo Superfund / 29500829.05			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2454	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**
GWS2454	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	1034	1073	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo Superfund / 29500829.05			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2245	**LCS**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 10:09**	**140917L02**
099-12-663-2245	**LCSD**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 10:37**	**140917L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	96.60	95	97.03	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4990	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 10:31**	**140912L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.967	99	90-110	
Sulfate	50.00	49.99	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo Superfund / 29500829.05			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-5002	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/16/14 19:28**	**140916L02**
099-12-906-5002	**LCSD**	**Aqueous**	**IC 7**	**N/A**	**09/16/14 19:43**	**140916L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	50.00	50.29	101	50.31	101	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo Superfund / 29500829.05			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-457	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**
099-15-859-457	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/11/14 20:09**	**E0911ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	98.00	98	98.00	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo Superfund / 29500829.05			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4900	**LCS**	**Aqueous**	**UV 9**	**09/11/14**	**09/11/14 21:26**	**E0911FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9700	97	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo Superfund / 29500829.05			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14481	**LCS**	**Aqueous**	**ICP 7300**	**09/12/14**	**09/17/14 18:40**	**140912LA5**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5391	108	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15147	**LCS**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/12/14 23:22**	**140912L054**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	51.00	102	80-120	73-127	
Carbon Tetrachloride	50.00	51.38	103	67-139	55-151	
Chlorobenzene	50.00	53.20	106	78-120	71-127	
1,2-Dibromoethane	50.00	52.84	106	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.58	109	63-129	52-140	
1,2-Dichloroethane	50.00	50.70	101	70-130	60-140	
1,1-Dichloroethene	50.00	51.56	103	66-126	56-136	
Ethylbenzene	50.00	53.94	108	80-123	73-130	
Toluene	50.00	52.38	105	80-120	73-127	
Trichloroethene	50.00	50.98	102	80-122	73-129	
Vinyl Chloride	50.00	54.03	108	70-130	60-140	
p/m-Xylene	100.0	109.2	109	75-123	67-131	
o-Xylene	50.00	57.47	115	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	48.48	97	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	264.6	106	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	50.83	102	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	50.67	101	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.50	99	67-133	56-144	
Ethanol	500.0	498.9	100	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 8 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15147	**LCS**	**Aqueous**	**GC/MS Z**	**09/12/14**	**09/12/14 23:22**	**140912L054**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.79	100	80-120	
Dibromofluoromethane	50.00	48.97	98	78-126	
1,2-Dichloroethane-d4	50.00	48.79	98	75-135	
Toluene-d8	50.00	50.79	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15168	**LCS**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 12:17**	**140916L050**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.21	100	80-120	73-127	
Carbon Tetrachloride	50.00	54.00	108	67-139	55-151	
Chlorobenzene	50.00	53.53	107	78-120	71-127	
1,2-Dibromoethane	50.00	53.53	107	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.74	109	63-129	52-140	
1,2-Dichloroethane	50.00	53.46	107	70-130	60-140	
1,1-Dichloroethene	50.00	53.65	107	66-126	56-136	
Ethylbenzene	50.00	53.34	107	80-123	73-130	
Toluene	50.00	52.32	105	80-120	73-127	
Trichloroethene	50.00	51.56	103	80-122	73-129	
Vinyl Chloride	50.00	56.41	113	70-130	60-140	
p/m-Xylene	100.0	110.2	110	75-123	67-131	
o-Xylene	50.00	57.86	116	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.10	102	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	284.6	114	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	49.58	99	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.35	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.41	103	67-133	56-144	
Ethanol	500.0	644.8	129	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 10 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15168	**LCS**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 12:17**	**140916L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.00	102	80-120	
Dibromofluoromethane	50.00	50.34	101	78-126	
1,2-Dichloroethane-d4	50.00	50.46	101	75-135	
Toluene-d8	50.00	50.61	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.58	105	80-120	73-127	
Carbon Tetrachloride	50.00	57.07	114	67-139	55-151	
Chlorobenzene	50.00	54.29	109	78-120	71-127	
1,2-Dibromoethane	50.00	51.40	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.77	108	63-129	52-140	
1,2-Dichloroethane	50.00	55.01	110	70-130	60-140	
1,1-Dichloroethene	50.00	55.39	111	66-126	56-136	
Ethylbenzene	50.00	56.37	113	80-123	73-130	
Toluene	50.00	55.62	111	80-120	73-127	
Trichloroethene	50.00	55.81	112	80-122	73-129	
Vinyl Chloride	50.00	59.23	118	70-130	60-140	
p/m-Xylene	100.0	115.4	115	75-123	67-131	
o-Xylene	50.00	60.33	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.79	100	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	269.4	108	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	46.16	92	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.23	96	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.64	101	67-133	56-144	
Ethanol	500.0	477.8	96	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.46	103	80-120	
Dibromofluoromethane	50.00	47.55	95	78-126	
1,2-Dichloroethane-d4	50.00	48.14	96	75-135	
Toluene-d8	50.00	51.23	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15176	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 11:10**	**140917L050**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.33	101	80-120	73-127	
Carbon Tetrachloride	50.00	54.63	109	67-139	55-151	
Chlorobenzene	50.00	54.29	109	78-120	71-127	
1,2-Dibromoethane	50.00	52.30	105	80-120	73-127	
1,2-Dichlorobenzene	50.00	55.44	111	63-129	52-140	
1,2-Dichloroethane	50.00	51.47	103	70-130	60-140	
1,1-Dichloroethene	50.00	54.29	109	66-126	56-136	
Ethylbenzene	50.00	54.19	108	80-123	73-130	
Toluene	50.00	52.85	106	80-120	73-127	
Trichloroethene	50.00	52.97	106	80-122	73-129	
Vinyl Chloride	50.00	55.16	110	70-130	60-140	
p/m-Xylene	100.0	111.9	112	75-123	67-131	
o-Xylene	50.00	58.95	118	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	52.77	106	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	271.7	109	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	47.36	95	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.01	104	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.40	103	67-133	56-144	
Ethanol	500.0	433.9	87	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/11/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-0920
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo Superfund / 29500829.05			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15176	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 11:10**	**140917L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.54	101	80-120	
Dibromofluoromethane	50.00	49.23	98	78-126	
1,2-Dichloroethane-d4	50.00	48.85	98	75-135	
Toluene-d8	50.00	50.00	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-0920

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	650	IC 7	1
EPA 300.0	N/A	921	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	796	GC/MS Z	2
RSK-175M	N/A	884	GC 52	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-0920 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WHITE COPY-Original (Accompanies Samples) YELLOW COPY-Return with results PINK COPY- Project Manager

14-09-0920

Sample Number	Date	Depth	Time	Sample Type	Container Type	~~VOA 8040~~ VOC - 8240B	~~VOA 8020~~	~~VOA 8260~~	~~Semi Vol 8270~~	~~TPH 8015 (M)~~	Carbon Dioxide - SM4500	Methane - RSK175K	Nitrate + Sulfate - USEPA 300.0	Manganese - USEPA 6010B	Ferrous Iron - SM 3500	Total Alkalinity - SM2320B		FIELD NOTES:	Total Number of Containers	Laboratory Number
FBS2032	9/11/14		0700	AQ	VOA	X													2	1
GWS2454			0748		various	X					X	X	X	X	X	X			10	2
GWS2485			0904		VOA	X													3	3
GWS2499			0909		VOA	X													3	4
GWS2445			1026		various	X					X	X	X	X	X	X			10	5
GWS2447			1412		VOA	X												+ MS/MSD	6	6
GWS2415			1146		various	X					X	X	X	X	X	X			10	7
GWS2450			1505		VOA	X													3	8
GWS2500			1510		VOA	X													3	9
FBS2051			1535		VOA	X													3	10

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	9/11/14 1600	Nicole
Nicole	9/11/14 1200	[signature] ECI
[signature] ECI	9/11/14 1818	[signature] ECI

ANALYTICAL LABORATORY: Cal Science

LABORATORY CONTACT:

URS CONTACT: ERICH.WEAVER@URS.COM PHONE: 8059640648

URS

130 Robin Hill Road
Suite 100
Santa Barbara, California 93117
Phone (805) 964-6010
Fax (805) 964-0259

LABORATORY NOTES:

DAVID.MYERS@URS.COM
STEVE.COLE@URS.COM
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MARK.COLLAR@URS.COM
LILY.BAYATI@URS.COM

JOB # 29500829.05

PROJECT: Del Amo Superfund

LOCATION: Torrance

COLLECTOR: Jason Mahn DATE OF COLLECTION: 9/11/14

S:\Forms\Chain of Custody.xls

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WORK ORDER #: 14-09-0920

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/11/14

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

Temperature 3.0 °C - 0.3 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐ _____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: 607

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOAh (5) ☐VOA**na₂** ☐125AGB (2) ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140828A **Labeled/Checked by:** 607

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 678

Preservative: **h:** HCL **n:** HNO_3 **na₂:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 678

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-1056

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/27/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-1056

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Work Order Narrative

Work Order: 14-09-1056 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/12/14. They were assigned to Work Order 14-09-1056.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-1056
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/12/14 16:52
		Number of Containers:	22
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2036	14-09-1056-1	09/12/14 07:00	2	Aqueous
GWS2427	14-09-1056-2	09/12/14 11:05	10	Aqueous
GWS2052	14-09-1056-3	09/12/14 11:20	10	Aqueous

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QC Association Summary

Work Order: 14-09-1056

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2036	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140916S005	140916L050
GWS2427	EPA 300.0 Anions		N/A	IC 7	140912S01	140912L01
GWS2427	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140915SA5	140915LA5A
GWS2427	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S007	140917L050
GWS2427	RSK-175M Methane		N/A	GC 52	140917D02	140917L02
GWS2427	SM 2320B Alkalinity		N/A	PH1/BUR03	E0912ALKD4	E0912ALKB4
GWS2427	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0912FES1	E0912FEL1
GWS2427	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0912CO2D4	
GWS2052	EPA 300.0 Anions		N/A	IC 7	140912S01	140912L01
GWS2052	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140915SA5	140915LA5A
GWS2052	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Z	140917S015	140917L042
GWS2052	RSK-175M Methane		N/A	GC 52	140917D02	140917L02
GWS2052	SM 2320B Alkalinity		N/A	PH1/BUR03	E0912ALKD5	E0912ALKB5
GWS2052	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0912FES1	E0912FEL1
GWS2052	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0912CO2D5	

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-1056
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/12/14
Attn:	David Myers		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2427 (14-09-1056-2)						
Sulfate	11		1.0	mg/L	EPA 300.0	N/A
Manganese	5.22		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	46000	B	120	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	83	J	70*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	44	J	35*	ug/L	EPA 8260B	EPA 5030C
Methane	5.92		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	860		5.00	mg/L	SM 2320B	N/A
Iron (II)	13.5		0.200	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	330		5.0	mg/L	SM4500-CO2D	N/A
GWS2052 (14-09-1056-3)						
Methane	0.183	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	1.5		1.0	mg/L	SM 2320B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-D**	**09/12/14 11:05**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 18:32**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	5.92	1.00	0.0400	1.00	

GWS2052	**14-09-1056-3-D**	**09/12/14 11:20**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 18:58**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.183	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2245**	**N/A**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 11:05**	**140917L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-F**	**09/12/14 11:05**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 18:48**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	11	1.0	0.19	1.00	

GWS2052	**14-09-1056-3-F**	**09/12/14 11:20**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 18:32**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-4990**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 10:15**	**140912L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-G**	**09/12/14 11:05**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	860	5.00	0.848	1.00	

Method Blank	**099-15-859-456**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKB4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2052	**14-09-1056-3-G**	**09/12/14 11:20**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKB5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	1.5	1.0	0.85	1.00	

Method Blank	**099-15-981-52**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKB5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-H**	**09/12/14 11:05**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	13.5	0.200	0.0825	2.00	

GWS2052	**14-09-1056-3-H**	**09/12/14 11:20**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4899**	**N/A**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FEL1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-G**	**09/12/14 11:05**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912CO2D4**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	330	5.0	0.59	1.00	

GWS2052	**14-09-1056-3-G**	**09/12/14 11:20**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912CO2D5**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	ND	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-J**	**09/12/14 11:05**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/20/14 16:58**	**140915LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	5.22	0.00500	0.00270	1.00	

GWS2052	**14-09-1056-3-J**	**09/12/14 11:20**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/20/14 16:59**	**140915LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14495**	**N/A**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/23/14 18:45**	**140915LA5A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2036	**14-09-1056-1-A**	**09/12/14 07:00**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 19:05**	**140916L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	98	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2427	**14-09-1056-2-C**	**09/12/14 11:05**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 21:51**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	2500	250	
Benzene	46000	120	35	250	B
Bromobenzene	ND	250	76	250	
Bromochloromethane	ND	250	120	250	
Bromodichloromethane	ND	250	52	250	
Bromoform	ND	250	130	250	
Bromomethane	ND	2500	970	250	
2-Butanone	ND	2500	550	250	
n-Butylbenzene	ND	250	57	250	
sec-Butylbenzene	ND	250	61	250	
tert-Butylbenzene	ND	250	69	250	
Carbon Disulfide	ND	2500	100	250	
Carbon Tetrachloride	ND	120	56	250	
Chlorobenzene	ND	250	43	250	
Chloroethane	ND	1200	570	250	
Chloroform	ND	250	120	250	
Chloromethane	ND	2500	440	250	
2-Chlorotoluene	ND	250	60	250	
4-Chlorotoluene	ND	250	33	250	
Dibromochloromethane	ND	250	62	250	
1,2-Dibromo-3-Chloropropane	ND	1200	310	250	
1,2-Dibromoethane	ND	250	90	250	
Dibromomethane	ND	250	120	250	
1,2-Dichlorobenzene	ND	250	110	250	
1,3-Dichlorobenzene	ND	250	100	250	
1,4-Dichlorobenzene	ND	250	110	250	
Dichlorodifluoromethane	ND	250	110	250	
1,1-Dichloroethane	83	250	70	250	J
1,2-Dichloroethane	ND	120	60	250	
1,1-Dichloroethene	ND	250	110	250	
c-1,2-Dichloroethene	ND	250	120	250	
t-1,2-Dichloroethene	ND	250	92	250	
1,2-Dichloropropane	ND	250	110	250	
1,3-Dichloropropane	ND	250	76	250	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	250	91	250	
1,1-Dichloropropene	ND	250	120	250	
c-1,3-Dichloropropene	ND	120	61	250	
t-1,3-Dichloropropene	ND	120	64	250	
Ethylbenzene	44	250	35	250	J
2-Hexanone	ND	2500	520	250	
Isopropylbenzene	ND	250	150	250	
p-Isopropyltoluene	ND	250	39	250	
Methylene Chloride	ND	2500	160	250	
4-Methyl-2-Pentanone	ND	2500	1100	250	
Naphthalene	ND	2500	620	250	
n-Propylbenzene	ND	250	43	250	
Styrene	ND	250	43	250	
1,1,1,2-Tetrachloroethane	ND	250	100	250	
1,1,2,2-Tetrachloroethane	ND	250	100	250	
Tetrachloroethene	ND	250	97	250	
Toluene	ND	250	59	250	
1,2,3-Trichlorobenzene	ND	250	130	250	
1,2,4-Trichlorobenzene	ND	250	120	250	
1,1,1-Trichloroethane	ND	250	76	250	
1,1,2-Trichloroethane	ND	250	96	250	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2500	200	250	
Trichloroethene	ND	250	92	250	
1,2,3-Trichloropropane	ND	1200	160	250	
1,2,4-Trimethylbenzene	ND	250	90	250	
Trichlorofluoromethane	ND	2500	410	250	
1,3,5-Trimethylbenzene	ND	250	71	250	
Vinyl Acetate	ND	2500	700	250	
Vinyl Chloride	ND	120	75	250	
p/m-Xylene	ND	250	75	250	
o-Xylene	ND	250	57	250	
Methyl-t-Butyl Ether (MTBE)	ND	250	77	250	
Cyclohexane	ND	2500	860	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	96	78-126	
1,2-Dichloroethane-d4	101	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2052	**14-09-1056-3-C**	**09/12/14 11:20**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 09:40**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15168**	**N/A**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:17**	**140916L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	102	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15172**	**N/A**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 00:39**	**140917L042**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	97	78-126	
1,2-Dichloroethane-d4	100	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15176**	**N/A**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 12:50**	**140917L050**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.16	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 12

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	94	78-126	
1,2-Dichloroethane-d4	96	75-135	
Toluene-d8	99	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0920-7	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 12:21**	**140912S01**
14-09-0920-7	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 14:33**	**140912S01**
14-09-0920-7	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 14:48**	**140912S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	ND	500.0	529.7	106	528.3	106	80-120	0	0-20	
Sulfate	137.1	5000	5354	104	5353	104	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0945-1	**Sample**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FES1**
14-09-0945-1	**Matrix Spike**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FES1**
14-09-0945-1	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FES1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	1.750	1.000	2.630	88	2.710	96	70-130	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0916-1	**Sample**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/23/14 19:44**	**140915SA5**
14-09-0916-1	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/23/14 19:46**	**140915SA5**
14-09-0916-1	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/23/14 19:48**	**140915SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	0.2521	0.5000	0.8050	111	0.8771	125	86-116	9	0-7	3,4

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1076-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:46**	**140916S005**
14-09-1076-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 14:43**	**140916S005**
14-09-1076-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 15:12**	**140916S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	50.90	102	51.94	104	40-140	2	0-20	
Benzene	ND	50.00	49.15	98	47.08	94	80-120	4	0-20	
Bromobenzene	ND	50.00	51.60	103	47.61	95	75-125	8	0-20	
Bromochloromethane	ND	50.00	48.35	97	46.69	93	65-135	4	0-20	
Bromodichloromethane	ND	50.00	54.04	108	50.18	100	75-120	7	0-20	
Bromoform	ND	50.00	51.49	103	52.11	104	70-130	1	0-20	
Bromomethane	ND	50.00	34.09	68	31.97	64	30-145	6	0-20	
2-Butanone	ND	50.00	46.82	94	44.87	90	30-150	4	0-20	
n-Butylbenzene	ND	50.00	54.52	109	54.61	109	70-135	0	0-20	
sec-Butylbenzene	ND	50.00	53.82	108	54.45	109	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	53.77	108	55.30	111	70-130	3	0-20	
Carbon Disulfide	ND	50.00	46.69	93	46.27	93	35-160	1	0-20	
Carbon Tetrachloride	ND	50.00	51.35	103	49.92	100	65-140	3	0-20	
Chlorobenzene	ND	50.00	50.83	102	48.81	98	80-120	4	0-20	
Chloroethane	ND	50.00	64.35	129	53.83	108	60-135	18	0-20	
Chloroform	ND	50.00	49.09	98	45.80	92	65-135	7	0-20	
Chloromethane	ND	50.00	49.22	98	46.67	93	40-125	5	0-20	
2-Chlorotoluene	ND	50.00	53.90	108	50.25	100	75-125	7	0-20	
4-Chlorotoluene	ND	50.00	49.71	99	49.41	99	75-130	1	0-20	
Dibromochloromethane	ND	50.00	54.76	110	50.71	101	60-135	8	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	51.95	104	52.31	105	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	51.05	102	48.36	97	80-120	5	0-20	
Dibromomethane	ND	50.00	51.11	102	47.88	96	75-125	7	0-20	
1,2-Dichlorobenzene	ND	50.00	50.68	101	49.67	99	70-120	2	0-20	
1,3-Dichlorobenzene	ND	50.00	51.10	102	51.05	102	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	47.28	95	46.11	92	75-125	3	0-20	
Dichlorodifluoromethane	ND	50.00	62.09	124	59.71	119	30-155	4	0-20	
1,1-Dichloroethane	ND	50.00	45.96	92	44.17	88	70-135	4	0-20	
1,2-Dichloroethane	ND	50.00	50.80	102	45.61	91	70-130	11	0-20	
1,1-Dichloroethene	ND	50.00	50.69	101	48.41	97	70-130	5	0-20	
c-1,2-Dichloroethene	ND	50.00	51.80	104	51.23	102	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	49.76	100	48.45	97	60-140	3	0-20	
1,2-Dichloropropane	ND	50.00	48.39	97	45.91	92	75-125	5	0-20	
1,3-Dichloropropane	ND	50.00	47.94	96	44.77	90	75-125	7	0-20	
2,2-Dichloropropane	ND	50.00	48.89	98	47.65	95	70-135	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 12

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	51.05	102	49.81	100	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	54.06	108	52.18	104	70-130	4	0-20	
t-1,3-Dichloropropene	ND	50.00	43.03	86	41.28	83	55-140	4	0-20	
Ethylbenzene	ND	50.00	52.22	104	50.15	100	75-125	4	0-20	
2-Hexanone	ND	50.00	48.69	97	49.38	99	55-130	1	0-20	
Isopropylbenzene	ND	50.00	56.65	113	54.05	108	75-125	5	0-20	
p-Isopropyltoluene	ND	50.00	48.58	97	48.62	97	75-130	0	0-20	
Methylene Chloride	ND	50.00	49.96	100	47.80	96	55-140	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	52.05	104	50.94	102	60-135	2	0-20	
Naphthalene	ND	50.00	56.77	114	57.19	114	55-140	1	0-20	
n-Propylbenzene	ND	50.00	53.46	107	50.57	101	70-130	6	0-20	
Styrene	ND	50.00	51.30	103	46.33	93	65-135	10	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	50.96	102	48.21	96	80-130	6	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.94	98	49.26	99	65-130	1	0-20	
Tetrachloroethene	ND	50.00	42.96	86	41.76	84	45-150	3	0-20	
Toluene	ND	50.00	51.33	103	49.49	99	75-120	4	0-20	
1,2,3-Trichlorobenzene	ND	50.00	55.49	111	54.07	108	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	55.03	110	53.51	107	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.75	105	50.36	101	65-130	5	0-20	
1,1,2-Trichloroethane	ND	50.00	46.46	93	43.74	87	75-125	6	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	50.36	101	48.00	96	80-130	5	0-20	
Trichloroethene	ND	50.00	50.47	101	47.72	95	70-125	6	0-20	
1,2,3-Trichloropropane	ND	50.00	52.12	104	48.70	97	75-125	7	0-20	
1,2,4-Trimethylbenzene	ND	50.00	51.69	103	51.08	102	75-130	1	0-20	
Trichlorofluoromethane	ND	50.00	53.20	106	48.34	97	60-145	10	0-20	
1,3,5-Trimethylbenzene	ND	50.00	55.90	112	51.80	104	75-130	8	0-20	
Vinyl Acetate	ND	50.00	51.45	103	48.85	98	80-120	5	0-20	
Vinyl Chloride	ND	50.00	49.87	100	48.09	96	50-145	4	0-20	
p/m-Xylene	ND	100.0	108.5	109	102.0	102	75-130	6	0-20	
o-Xylene	ND	50.00	55.88	112	53.17	106	80-120	5	0-20	
Methyl-t-Butyl Ether (MTBE)	4.265	50.00	52.17	96	51.42	94	65-125	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	222.8	89	228.6	91	46-154	3	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	45.84	92	43.82	88	81-123	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.09	96	47.20	94	74-122	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.22	98	47.10	94	76-124	4	0-20	
Ethanol	ND	500.0	409.4	82	443.0	89	60-138	8	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1076-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 13:46**	**140916S005**
14-09-1076-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 14:43**	**140916S005**
14-09-1076-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 15:12**	**140916S005**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.66	105	50.37	101	75-120	
Dibromofluoromethane	50.00	50.38	101	50.06	100	85-115	
1,2-Dichloroethane-d4	50.00	50.52	101	48.31	97	70-120	
Toluene-d8	50.00	50.88	102	50.11	100	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1204-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 13:47**	**140917S007**
14-09-1204-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 14:44**	**140917S007**
14-09-1204-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 15:13**	**140917S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	36.94	74	39.62	79	40-140	7	0-20	
Benzene	ND	50.00	49.49	99	48.95	98	80-120	1	0-20	
Bromobenzene	ND	50.00	53.67	107	52.70	105	75-125	2	0-20	
Bromochloromethane	ND	50.00	50.59	101	49.57	99	65-135	2	0-20	
Bromodichloromethane	ND	50.00	55.80	112	56.89	114	75-120	2	0-20	
Bromoform	ND	50.00	56.02	112	57.65	115	70-130	3	0-20	
Bromomethane	ND	50.00	57.60	115	50.19	100	30-145	14	0-20	
2-Butanone	ND	50.00	43.07	86	43.02	86	30-150	0	0-20	
n-Butylbenzene	ND	50.00	54.22	108	52.65	105	70-135	3	0-20	
sec-Butylbenzene	ND	50.00	54.24	108	53.18	106	70-125	2	0-20	
tert-Butylbenzene	ND	50.00	55.79	112	54.20	108	70-130	3	0-20	
Carbon Disulfide	ND	50.00	44.05	88	43.92	88	35-160	0	0-20	
Carbon Tetrachloride	ND	50.00	51.28	103	52.10	104	65-140	2	0-20	
Chlorobenzene	ND	50.00	52.05	104	50.63	101	80-120	3	0-20	
Chloroethane	ND	50.00	49.04	98	50.13	100	60-135	2	0-20	
Chloroform	ND	50.00	50.24	100	49.61	99	65-135	1	0-20	
Chloromethane	ND	50.00	50.54	101	50.53	101	40-125	0	0-20	
2-Chlorotoluene	ND	50.00	55.54	111	54.14	108	75-125	3	0-20	
4-Chlorotoluene	ND	50.00	52.38	105	50.88	102	75-130	3	0-20	
Dibromochloromethane	ND	50.00	57.18	114	57.46	115	60-135	0	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	50.93	102	50.60	101	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	52.96	106	52.23	104	80-120	1	0-20	
Dibromomethane	ND	50.00	54.29	109	53.18	106	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	54.71	109	52.87	106	70-120	3	0-20	
1,3-Dichlorobenzene	ND	50.00	53.87	108	52.67	105	75-125	2	0-20	
1,4-Dichlorobenzene	ND	50.00	50.40	101	48.41	97	75-125	4	0-20	
Dichlorodifluoromethane	ND	50.00	63.96	128	63.89	128	30-155	0	0-20	
1,1-Dichloroethane	ND	50.00	46.29	93	45.30	91	70-135	2	0-20	
1,2-Dichloroethane	ND	50.00	53.88	108	53.07	106	70-130	2	0-20	
1,1-Dichloroethene	ND	50.00	50.06	100	48.92	98	70-130	2	0-20	
c-1,2-Dichloroethene	ND	50.00	53.11	106	51.57	103	70-125	3	0-20	
t-1,2-Dichloroethene	ND	50.00	49.32	99	49.01	98	60-140	1	0-20	
1,2-Dichloropropane	ND	50.00	48.90	98	48.67	97	75-125	0	0-20	
1,3-Dichloropropane	ND	50.00	49.72	99	49.49	99	75-125	0	0-20	
2,2-Dichloropropane	ND	50.00	48.72	97	48.65	97	70-135	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 12

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	50.30	101	48.74	97	75-130	3	0-20	
c-1,3-Dichloropropene	ND	50.00	55.62	111	55.36	111	70-130	0	0-20	
t-1,3-Dichloropropene	ND	50.00	45.18	90	44.69	89	55-140	1	0-20	
Ethylbenzene	ND	50.00	52.22	104	51.04	102	75-125	2	0-20	
2-Hexanone	ND	50.00	47.54	95	48.30	97	55-130	2	0-20	
Isopropylbenzene	ND	50.00	56.20	112	54.66	109	75-125	3	0-20	
p-Isopropyltoluene	ND	50.00	48.86	98	47.63	95	75-130	3	0-20	
Methylene Chloride	ND	50.00	52.19	104	50.64	101	55-140	3	0-20	
4-Methyl-2-Pentanone	ND	50.00	50.91	102	50.58	101	60-135	1	0-20	
Naphthalene	ND	50.00	54.75	110	52.92	106	55-140	3	0-20	
n-Propylbenzene	ND	50.00	53.04	106	51.38	103	70-130	3	0-20	
Styrene	ND	50.00	46.24	92	43.04	86	65-135	7	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	53.46	107	54.83	110	80-130	3	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	50.38	101	49.36	99	65-130	2	0-20	
Tetrachloroethene	ND	50.00	45.58	91	43.73	87	45-150	4	0-20	
Toluene	ND	50.00	51.61	103	50.79	102	75-120	2	0-20	
1,2,3-Trichlorobenzene	ND	50.00	57.46	115	55.64	111	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	56.98	114	55.49	111	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.91	106	51.73	103	65-130	2	0-20	
1,1,2-Trichloroethane	ND	50.00	48.47	97	47.48	95	75-125	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	51.17	102	48.81	98	80-130	5	0-20	
Trichloroethene	ND	50.00	51.06	102	49.42	99	70-125	3	0-20	
1,2,3-Trichloropropane	ND	50.00	53.41	107	53.16	106	75-125	0	0-20	
1,2,4-Trimethylbenzene	ND	50.00	52.66	105	49.75	100	75-130	6	0-20	
Trichlorofluoromethane	ND	50.00	54.40	109	53.42	107	60-145	2	0-20	
1,3,5-Trimethylbenzene	ND	50.00	56.48	113	54.43	109	75-130	4	0-20	
Vinyl Acetate	ND	50.00	46.86	94	46.26	93	80-120	1	0-20	
Vinyl Chloride	ND	50.00	51.13	102	50.80	102	50-145	1	0-20	
p/m-Xylene	ND	100.0	107.9	108	105.5	106	75-130	2	0-20	
o-Xylene	ND	50.00	56.98	114	56.07	112	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	51.13	102	51.85	104	65-125	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	264.9	106	274.2	110	46-154	3	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	47.71	95	46.58	93	81-123	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	50.69	101	50.61	101	74-122	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.94	102	51.50	103	76-124	1	0-20	
Ethanol	ND	500.0	477.6	96	456.0	91	60-138	5	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1204-1	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 13:47**	**140917S007**
14-09-1204-1	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 14:44**	**140917S007**
14-09-1204-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 15:13**	**140917S007**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.64	103	51.96	104	75-120	
Dibromofluoromethane	50.00	49.80	100	48.84	98	85-115	
1,2-Dichloroethane-d4	50.00	50.68	101	49.28	99	70-120	
Toluene-d8	50.00	50.08	100	50.73	101	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	38.01	76	35.67	71	40-140	6	0-20	
Benzene	ND	50.00	48.40	97	49.06	98	80-120	1	0-20	
Bromobenzene	ND	50.00	54.32	109	52.95	106	75-125	3	0-20	
Bromochloromethane	ND	50.00	50.21	100	50.35	101	65-135	0	0-20	
Bromodichloromethane	ND	50.00	57.73	115	57.82	116	75-120	0	0-20	
Bromoform	ND	50.00	57.61	115	58.62	117	70-130	2	0-20	
Bromomethane	ND	50.00	62.23	124	54.73	109	30-145	13	0-20	
2-Butanone	ND	50.00	40.88	82	40.75	82	30-150	0	0-20	
n-Butylbenzene	ND	50.00	49.73	99	49.52	99	70-135	0	0-20	
sec-Butylbenzene	ND	50.00	51.66	103	52.08	104	70-125	1	0-20	
tert-Butylbenzene	ND	50.00	53.52	107	53.59	107	70-130	0	0-20	
Carbon Disulfide	ND	50.00	41.48	83	42.53	85	35-160	2	0-20	
Carbon Tetrachloride	ND	50.00	52.57	105	53.61	107	65-140	2	0-20	
Chlorobenzene	ND	50.00	52.17	104	51.57	103	80-120	1	0-20	
Chloroethane	ND	50.00	45.40	91	53.16	106	60-135	16	0-20	
Chloroform	ND	50.00	50.41	101	50.10	100	65-135	1	0-20	
Chloromethane	ND	50.00	44.78	90	53.11	106	40-125	17	0-20	
2-Chlorotoluene	ND	50.00	54.46	109	53.33	107	75-125	2	0-20	
4-Chlorotoluene	ND	50.00	50.22	100	49.99	100	75-130	0	0-20	
Dibromochloromethane	ND	50.00	60.84	122	59.93	120	60-135	2	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	50.98	102	51.66	103	50-130	1	0-20	
1,2-Dibromoethane	ND	50.00	54.00	108	51.99	104	80-120	4	0-20	
Dibromomethane	ND	50.00	53.43	107	54.50	109	75-125	2	0-20	
1,2-Dichlorobenzene	ND	50.00	52.89	106	52.48	105	70-120	1	0-20	
1,3-Dichlorobenzene	ND	50.00	51.28	103	51.04	102	75-125	0	0-20	
1,4-Dichlorobenzene	ND	50.00	47.91	96	47.15	94	75-125	2	0-20	
Dichlorodifluoromethane	ND	50.00	62.43	125	63.92	128	30-155	2	0-20	
1,1-Dichloroethane	ND	50.00	45.26	91	45.24	90	70-135	0	0-20	
1,2-Dichloroethane	ND	50.00	56.33	113	55.72	111	70-130	1	0-20	
1,1-Dichloroethene	ND	50.00	47.75	96	48.33	97	70-130	1	0-20	
c-1,2-Dichloroethene	ND	50.00	51.24	102	51.81	104	70-125	1	0-20	
t-1,2-Dichloroethene	ND	50.00	47.84	96	47.12	94	60-140	2	0-20	
1,2-Dichloropropane	ND	50.00	48.38	97	48.46	97	75-125	0	0-20	
1,3-Dichloropropane	ND	50.00	50.51	101	49.48	99	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	42.87	86	44.09	88	70-135	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 12

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	47.95	96	48.93	98	75-130	2	0-20	
c-1,3-Dichloropropene	ND	50.00	53.53	107	54.05	108	70-130	1	0-20	
t-1,3-Dichloropropene	ND	50.00	43.22	86	43.40	87	55-140	0	0-20	
Ethylbenzene	ND	50.00	51.61	103	51.20	102	75-125	1	0-20	
2-Hexanone	ND	50.00	45.45	91	46.91	94	55-130	3	0-20	
Isopropylbenzene	ND	50.00	55.13	110	54.65	109	75-125	1	0-20	
p-Isopropyltoluene	ND	50.00	46.55	93	46.32	93	75-130	0	0-20	
Methylene Chloride	ND	50.00	48.95	98	50.82	102	55-140	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.36	99	49.87	100	60-135	1	0-20	
Naphthalene	ND	50.00	48.85	98	46.43	93	55-140	5	0-20	
n-Propylbenzene	ND	50.00	51.90	104	50.86	102	70-130	2	0-20	
Styrene	ND	50.00	44.49	89	37.77	76	65-135	16	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	55.79	112	55.31	111	80-130	1	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	48.35	97	48.18	96	65-130	0	0-20	
Tetrachloroethene	ND	50.00	47.74	95	47.23	94	45-150	1	0-20	
Toluene	ND	50.00	50.86	102	50.74	101	75-120	0	0-20	
1,2,3-Trichlorobenzene	ND	50.00	53.52	107	52.19	104	55-140	3	0-20	
1,2,4-Trichlorobenzene	ND	50.00	50.43	101	49.09	98	65-135	3	0-20	
1,1,1-Trichloroethane	ND	50.00	52.62	105	52.46	105	65-130	0	0-20	
1,1,2-Trichloroethane	ND	50.00	47.78	96	47.47	95	75-125	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	47.99	96	49.76	100	80-130	4	0-20	
Trichloroethene	ND	50.00	50.70	101	50.83	102	70-125	0	0-20	
1,2,3-Trichloropropane	ND	50.00	55.63	111	52.45	105	75-125	6	0-20	
1,2,4-Trimethylbenzene	ND	50.00	47.58	95	44.33	89	75-130	7	0-20	
Trichlorofluoromethane	ND	50.00	53.77	108	53.96	108	60-145	0	0-20	
1,3,5-Trimethylbenzene	ND	50.00	54.64	109	53.42	107	75-130	2	0-20	
Vinyl Acetate	ND	50.00	34.97	70	35.96	72	80-120	3	0-20	3
Vinyl Chloride	ND	50.00	46.12	92	52.66	105	50-145	13	0-20	
p/m-Xylene	ND	100.0	105.5	105	103.7	104	75-130	2	0-20	
o-Xylene	ND	50.00	56.79	114	55.62	111	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.08	100	49.00	98	65-125	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	294.5	118	255.3	102	46-154	14	0-35	
Diisopropyl Ether (DIPE)	ND	50.00	46.10	92	46.06	92	81-123	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.45	99	49.21	98	74-122	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	50.53	101	50.75	101	76-124	0	0-20	
Ethanol	ND	500.0	549.8	110	587.3	117	60-138	7	0-35	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-1205-3	**Sample**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 01:07**	**140917S015**
14-09-1205-3	**Matrix Spike**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:31**	**140917S015**
14-09-1205-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/18/14 02:59**	**140917S015**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.33	105	51.69	103	75-120	
Dibromofluoromethane	50.00	47.86	96	48.55	97	85-115	
1,2-Dichloroethane-d4	50.00	51.04	102	49.99	100	70-120	
Toluene-d8	50.00	51.02	102	50.63	101	85-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-09-0916-1	**Sample**	**Aqueous**	**ICP 7300**	**09/15/14 00:00**	**09/23/14 19:44**	**140915SA5**
14-09-0916-1	**PDS**	**Aqueous**	**ICP 7300**	**09/15/14 00:00**	**09/23/14 19:49**	**140915SA5**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Manganese	0.2521	0.5000	0.7861	107	75-125	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0920-7	**Sample**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 17:11**	**140917D02**
14-09-0920-7	**Sample Duplicate**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 18:03**	**140917D02**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	2082	1929	8	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0945-1	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKD4**
14-09-0945-1	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKD4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	1140	1140	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2052	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKD5**
GWS2052	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKD5**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	1.500	1.500	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-0945-1	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912CO2D4**
14-09-0945-1	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912CO2D4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	345.1	353.1	2	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2052	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912CO2D5**
GWS2052	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912CO2D5**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2245	**LCS**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 10:09**	**140917L02**
099-12-663-2245	**LCSD**	**Aqueous**	**GC 52**	**N/A**	**09/17/14 10:37**	**140917L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	96.60	95	97.03	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-4990	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/12/14 10:31**	**140912L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.967	99	90-110	
Sulfate	50.00	49.99	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-456	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKB4**
099-15-859-456	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 17:48**	**E0912ALKB4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	96.00	96	96.00	96	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-52	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKB5**
099-15-981-52	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/12/14 18:21**	**E0912ALKB5**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4899	**LCS**	**Aqueous**	**UV 9**	**09/12/14**	**09/12/14 20:23**	**E0912FEL1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	0.9980	100	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14495	**LCS**	**Aqueous**	**ICP 7300**	**09/15/14**	**09/23/14 18:47**	**140915LA5A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5378	108	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15168	**LCS**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 12:17**	**140916L050**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.21	100	80-120	73-127	
Carbon Tetrachloride	50.00	54.00	108	67-139	55-151	
Chlorobenzene	50.00	53.53	107	78-120	71-127	
1,2-Dibromoethane	50.00	53.53	107	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.74	109	63-129	52-140	
1,2-Dichloroethane	50.00	53.46	107	70-130	60-140	
1,1-Dichloroethene	50.00	53.65	107	66-126	56-136	
Ethylbenzene	50.00	53.34	107	80-123	73-130	
Toluene	50.00	52.32	105	80-120	73-127	
Trichloroethene	50.00	51.56	103	80-122	73-129	
Vinyl Chloride	50.00	56.41	113	70-130	60-140	
p/m-Xylene	100.0	110.2	110	75-123	67-131	
o-Xylene	50.00	57.86	116	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.10	102	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	284.6	114	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	49.58	99	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.35	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.41	103	67-133	56-144	
Ethanol	500.0	644.8	129	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15168	**LCS**	**Aqueous**	**GC/MS Z**	**09/16/14**	**09/16/14 12:17**	**140916L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.00	102	80-120	
Dibromofluoromethane	50.00	50.34	101	78-126	
1,2-Dichloroethane-d4	50.00	50.46	101	75-135	
Toluene-d8	50.00	50.61	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.58	105	80-120	73-127	
Carbon Tetrachloride	50.00	57.07	114	67-139	55-151	
Chlorobenzene	50.00	54.29	109	78-120	71-127	
1,2-Dibromoethane	50.00	51.40	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.77	108	63-129	52-140	
1,2-Dichloroethane	50.00	55.01	110	70-130	60-140	
1,1-Dichloroethene	50.00	55.39	111	66-126	56-136	
Ethylbenzene	50.00	56.37	113	80-123	73-130	
Toluene	50.00	55.62	111	80-120	73-127	
Trichloroethene	50.00	55.81	112	80-122	73-129	
Vinyl Chloride	50.00	59.23	118	70-130	60-140	
p/m-Xylene	100.0	115.4	115	75-123	67-131	
o-Xylene	50.00	60.33	121	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.79	100	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	269.4	108	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	46.16	92	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	48.23	96	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	50.64	101	67-133	56-144	
Ethanol	500.0	477.8	96	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15172	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 23:43**	**140917L042**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.46	103	80-120	
Dibromofluoromethane	50.00	47.55	95	78-126	
1,2-Dichloroethane-d4	50.00	48.14	96	75-135	
Toluene-d8	50.00	51.23	102	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15176	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 11:10**	**140917L050**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.33	101	80-120	73-127	
Carbon Tetrachloride	50.00	54.63	109	67-139	55-151	
Chlorobenzene	50.00	54.29	109	78-120	71-127	
1,2-Dibromoethane	50.00	52.30	105	80-120	73-127	
1,2-Dichlorobenzene	50.00	55.44	111	63-129	52-140	
1,2-Dichloroethane	50.00	51.47	103	70-130	60-140	
1,1-Dichloroethene	50.00	54.29	109	66-126	56-136	
Ethylbenzene	50.00	54.19	108	80-123	73-130	
Toluene	50.00	52.85	106	80-120	73-127	
Trichloroethene	50.00	52.97	106	80-122	73-129	
Vinyl Chloride	50.00	55.16	110	70-130	60-140	
p/m-Xylene	100.0	111.9	112	75-123	67-131	
o-Xylene	50.00	58.95	118	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	52.77	106	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	271.7	109	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	47.36	95	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.01	104	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.40	103	67-133	56-144	
Ethanol	500.0	433.9	87	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/12/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-1056
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 12

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15176	**LCS**	**Aqueous**	**GC/MS Z**	**09/17/14**	**09/17/14 11:10**	**140917L050**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.54	101	80-120	
Dibromofluoromethane	50.00	49.23	98	78-126	
1,2-Dichloroethane-d4	50.00	48.85	98	75-135	
Toluene-d8	50.00	50.00	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-1056

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	650	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	796	GC/MS Z	2
RSK-175M	N/A	884	GC 52	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-1056

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WHITE COPY-Original (Accompanies Samples) YELLOW COPY-Return with results PINK COPY- Project Manager

14-09-1056

	Sample Number	Date	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8260B	Semi Vol 8270	TPH 8015(M)	CARBON DIOXIDE SM4500	METHANE RSK-175L	NITRATE USEPA 300.0	SULFATE USEPA 300.0	MANGANESE USEPA 6010B	FERROUS IRON SM3500-FeB	TOTAL ALKALINITY SM2320B	FIELD NOTES:	Total Number of Containers	Laboratory Number
1	FBS2036	9/12/14	—	0700	AQ	VOA			X											2	
2	GWS2427	9/12/14	—	1105	AQ	Various			X			X	X	X	X	X	X	X		10	
3	FBS2052	9/12/14	—	1120	AQ	various			X			X	X	X	X	X	X	X		10	

RELINQUISHED BY: (Signature) [signature] DATE/TIME 9/12/14 1140 RECEIVED BY: (Signature) Nicole

RELINQUISHED BY: (Signature) Nicole DATE/TIME 9/12/14 1545 RECEIVED BY: (Signature) Alex Mayz ECS

RELINQUISHED BY: (Signature) Alex Mayz DATE/TIME 9/12/14 1652 RECEIVED BY: (Signature) [signature]

ANALYTICAL LABORATORY: Cal Science

LABORATORY CONTACT:

URS CONTACT: RICH.WEAVER@URS.COM PHONE: 805 964-0378

URS

130 Robin Hill Road
Suite 100
Santa Barbara, California 93117
Phone (805) 964-6010
Fax (805) 964-0259

LABORATORY NOTES:
DAVID.MYERS@URS.COM
MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM
ERICH.WEAVER@URS.COM

JOB # 29500829.05

PROJECT: DEL AMO

LOCATION: TORRANCE CA

COLLECTOR: Jason Mahn DATE OF COLLECTION: 9/12/14

S:\Forms\Chain of Custody.xls

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WORK ORDER #: 14-09-1056

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/12/14

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

Temperature 3.2 °C - 0.3 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: 678

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 678

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 778

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑ 678 09/12/14	☑	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☑2 250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☑250PB ☑250PBn ☑125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140404B **Labeled/Checked by:** 778

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 862

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 862

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WORK ORDER #: 14-09-1056

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS: **Comments:**

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☑ **No preservative noted on COC or label** – list test & notify lab — x2).(-3) all vials for 8260, RSK
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: TTS 09/12/14

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 2

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-2079

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/28/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-2079

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Work Order Narrative

Work Order: 14-09-2079 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/25/14. They were assigned to Work Order 14-09-2079.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-2079
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/25/14 17:30
		Number of Containers:	44
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2034	14-09-2079-1	09/25/14 07:30	2	Aqueous
GWS2433	14-09-2079-2	09/25/14 08:18	3	Aqueous
GWS2462	14-09-2079-3	09/25/14 09:03	10	Aqueous
GWS2490	14-09-2079-4	09/25/14 10:13	3	Aqueous
GWS2477	14-09-2079-5	09/25/14 11:14	3	Aqueous
GWS2456	14-09-2079-6	09/25/14 13:16	10	Aqueous
GWS2475	14-09-2079-7	09/25/14 14:24	3	Aqueous
FBS2060	14-09-2079-8	09/25/14 15:00	10	Aqueous

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QC Association Summary

Work Order: 14-09-2079

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2034	EPA 8260B Volatile Organics		EPA 5030C	GC/MS QQ	140930S005	140930L016
GWS2433	EPA 8260B Volatile Organics		EPA 5030C	GC/MS QQ	140930S005	140930L016
GWS2462	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
GWS2462	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
GWS2462	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2462	RSK-175M Methane		N/A	GC 61	141001D02	141001L02
GWS2462	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD1	E0925ALKB1
GWS2462	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
GWS2462	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D1	
GWS2490	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2477	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2456	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
GWS2456	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
GWS2456	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2456	RSK-175M Methane		N/A	GC 61	141001D02	141001L02
GWS2456	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD1	E0925ALKB1
GWS2456	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
GWS2456	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D1	
GWS2475	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
FBS2060	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
FBS2060	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
FBS2060	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
FBS2060	RSK-175M Methane		N/A	GC 61	141001D02	141001L02
FBS2060	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD2	E0925ALKB2
FBS2060	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
FBS2060	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D2	

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-2079
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/25/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2433 (14-09-2079-2)						
Tetrachloroethene	8.7		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	0.75	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GWS2462 (14-09-2079-3)						
Sulfate	79		1.0	mg/L	EPA 300.0	N/A
Manganese	0.174		0.00500	mg/L	EPA 6010B	EPA 3010A Total
sec-Butylbenzene	0.72	J	0.25*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	1.7		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	0.53	J	0.37*	ug/L	EPA 8260B	EPA 5030C
Methane	1.66		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	237		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.0840	J	0.0413*	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	31		1.0	mg/L	SM4500-CO2D	N/A
GWS2490 (14-09-2079-4)						
Trichloroethene	0.55	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GWS2456 (14-09-2079-6)						
Sulfate	39		1.0	mg/L	EPA 300.0	N/A
Manganese	0.966		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	2.1		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.23	J	0.23*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	1.6		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	1.5		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	2.1		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	24		10	ug/L	EPA 8260B	EPA 5030C
Styrene	1.2		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	1.9		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	0.78	J	0.24*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1.3		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	0.38	J	0.36*	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	0.84	J	0.23*	ug/L	EPA 8260B	EPA 5030C
Methane	2.69		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	530		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.209		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	210		5.0	mg/L	SM4500-CO2D	N/A
FBS2060 (14-09-2079-8)						
Methane	0.400	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	3.0		1.0	mg/L	SM 2320B	N/A

* MDL is shown

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-2079
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/25/14
Attn:	David Myers		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-D**	**09/25/14 09:03**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 12:35**	**141001L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	1.66	1.00	0.0400	1.00	

GWS2456	**14-09-2079-6-D**	**09/25/14 13:16**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 13:52**	**141001L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	2.69	1.00	0.0400	1.00	

FBS2060	**14-09-2079-8-D**	**09/25/14 15:00**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 14:16**	**141001L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.400	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2257**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 11:05**	**141001L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-F**	**09/25/14 09:03**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:01**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	79	1.0	0.19	1.00	

GWS2456	**14-09-2079-6-F**	**09/25/14 13:16**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:16**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	39	1.0	0.19	1.00	

FBS2060	**14-09-2079-8-F**	**09/25/14 15:00**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:31**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-5027**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 19:30**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-H**	**09/25/14 09:03**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	237	5.00	0.848	1.00	

GWS2456	**14-09-2079-6-H**	**09/25/14 13:16**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	530	5.00	0.848	1.00	

Method Blank	**099-15-859-476**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2060	**14-09-2079-8-H**	**09/25/14 15:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	3.0	1.0	0.85	1.00	

Method Blank	**099-15-981-57**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-G**	**09/25/14 09:03**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.0840	0.100	0.0413	1.00	J

GWS2456	**14-09-2079-6-G**	**09/25/14 13:16**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.209	0.100	0.0413	1.00	

FBS2060	**14-09-2079-8-G**	**09/25/14 15:00**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4913**	**N/A**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-H**	**09/25/14 09:03**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	31	1.0	0.59	1.00	

GWS2456	**14-09-2079-6-H**	**09/25/14 13:16**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	210	5.0	0.59	1.00	

FBS2060	**14-09-2079-8-H**	**09/25/14 15:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	ND	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-I**	**09/25/14 09:03**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/03/14 00:20**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.174	0.00500	0.00270	1.00	

GWS2456	**14-09-2079-6-I**	**09/25/14 13:16**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/03/14 00:22**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.966	0.00500	0.00270	1.00	

FBS2060	**14-09-2079-8-I**	**09/25/14 15:00**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/03/14 00:23**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14520**	**N/A**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 21:54**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2034	**14-09-2079-1-B**	**09/25/14 07:30**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 14:30**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2433	**14-09-2079-2-B**	**09/25/14 08:18**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 14:56**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	8.7	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.75	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2462	**14-09-2079-3-A**	**09/25/14 09:03**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 00:42**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.72	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	1.1	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.7	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.53	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	100	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2490	**14-09-2079-4-A**	**09/25/14 10:13**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 01:08**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	0.55	1.0	0.37	1.00	J
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2477	**14-09-2079-5-A**	**09/25/14 11:14**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 01:34**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2456	**14-09-2079-6-A**	**09/25/14 13:16**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 02:00**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	2.1	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	0.23	1.0	0.23	1.00	J
sec-Butylbenzene	1.6	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	1.5	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	2.1	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	24	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	1.2	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	1.9	1.0	0.39	1.00	
Toluene	0.78	1.0	0.24	1.00	J
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	1.3	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	0.38	1.0	0.36	1.00	J
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	1.1	1.0	0.30	1.00	
o-Xylene	0.84	1.0	0.23	1.00	J
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2475	**14-09-2079-7-A**	**09/25/14 14:24**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 02:26**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2060	**14-09-2079-8-A**	**09/25/14 15:00**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 02:52**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	97	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15246**	**N/A**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 19:04**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	95	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15259**	**N/A**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 11:49**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 20

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	101	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:47**	**140925S02**
14-09-2095-4	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 21:48**	**140925S02**
14-09-2095-4	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 22:04**	**140925S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	2.026	500.0	505.4	101	504.0	100	80-120	0	0-20	
Sulfate	170.3	5000	5160	100	5162	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**
14-09-2095-4	**Matrix Spike**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**
14-09-2095-4	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9800	98	1.010	101	70-130	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:09**	**140926SA6**
14-09-2095-4	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:15**	**140926SA6**
14-09-2095-4	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:17**	**140926SA6**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	ND	0.5000	0.5750	115	0.5877	118	86-116	2	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:49**	**140927S008**
14-09-2095-4	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:18**	**140927S008**
14-09-2095-4	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:44**	**140927S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.88	102	48.26	97	74-122	5	0-21	
Carbon Tetrachloride	ND	50.00	53.42	107	50.84	102	60-144	5	0-21	
Chlorobenzene	ND	50.00	51.76	104	49.26	99	73-120	5	0-22	
1,2-Dibromoethane	ND	50.00	49.73	99	48.19	96	80-122	3	0-20	
1,2-Dichlorobenzene	ND	50.00	49.80	100	47.10	94	70-120	6	0-26	
1,2-Dichloroethane	ND	50.00	51.84	104	46.70	93	64-142	10	0-20	
1,1-Dichloroethene	ND	50.00	48.68	97	45.64	91	52-136	6	0-21	
Ethylbenzene	ND	50.00	49.66	99	47.32	95	77-125	5	0-24	
Toluene	ND	50.00	50.62	101	46.97	94	72-126	7	0-23	
Trichloroethene	ND	50.00	45.90	92	44.32	89	74-128	4	0-22	
Vinyl Chloride	ND	50.00	45.46	91	45.60	91	67-133	0	0-20	
p/m-Xylene	ND	100.0	103.4	103	97.85	98	63-129	5	0-25	
o-Xylene	ND	50.00	53.27	107	49.49	99	62-128	7	0-24	
Methyl-t-Butyl Ether (MTBE)	2.011	50.00	49.53	95	47.47	91	68-134	4	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	266.4	107	264.7	106	65-143	1	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	52.36	105	51.21	102	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.38	97	47.85	96	64-136	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.53	97	46.40	93	67-133	4	0-20	
Ethanol	ND	500.0	593.2	119	534.0	107	34-178	11	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:49**	**140927S008**
14-09-2095-4	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:18**	**140927S008**
14-09-2095-4	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:44**	**140927S008**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.12	100	49.29	99	80-120	
Dibromofluoromethane	50.00	49.79	100	49.59	99	78-126	
1,2-Dichloroethane-d4	50.00	48.96	98	49.82	100	75-135	
Toluene-d8	50.00	50.90	102	50.12	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2089-1	**Sample**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:15**	**140930S005**
14-09-2089-1	**Matrix Spike**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:42**	**140930S005**
14-09-2089-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 13:09**	**140930S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	51.82	50.00	82.41	61	91.41	79	51-171	10	0-20	
Benzene	ND	50.00	48.47	97	52.37	105	80-120	8	0-20	
Bromobenzene	ND	50.00	47.92	96	52.98	106	54-150	10	0-20	
Bromochloromethane	ND	50.00	47.61	95	51.15	102	77-125	7	0-20	
Bromodichloromethane	ND	50.00	49.88	100	54.59	109	78-126	9	0-20	
Bromoform	ND	50.00	47.58	95	53.02	106	41-155	11	0-20	
Bromomethane	ND	50.00	48.73	97	52.42	105	30-152	7	0-20	
2-Butanone	ND	50.00	45.32	91	49.72	99	52-160	9	0-20	
n-Butylbenzene	ND	50.00	48.85	98	56.80	114	50-164	15	0-20	
sec-Butylbenzene	ND	50.00	50.76	102	58.09	116	49-157	13	0-20	
tert-Butylbenzene	ND	50.00	50.77	102	57.46	115	48-156	12	0-20	
Carbon Disulfide	ND	50.00	38.41	77	39.40	79	69-123	3	0-20	
Carbon Tetrachloride	ND	50.00	49.14	98	52.00	104	62-140	6	0-20	
Chlorobenzene	ND	50.00	49.51	99	53.88	108	52-148	8	0-20	
Chloroethane	ND	50.00	45.02	90	51.32	103	66-132	13	0-20	
Chloroform	2.306	50.00	50.16	96	53.19	102	80-122	6	0-20	
Chloromethane	ND	50.00	41.73	83	48.18	96	45-147	14	0-20	
2-Chlorotoluene	ND	50.00	51.31	103	56.84	114	51-153	10	0-20	
4-Chlorotoluene	ND	50.00	48.97	98	55.39	111	49-151	12	0-20	
Dibromochloromethane	ND	50.00	49.91	100	55.20	110	48-150	10	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	46.13	92	51.47	103	46-142	11	0-20	
1,2-Dibromoethane	ND	50.00	47.76	96	52.46	105	51-147	9	0-20	
Dibromomethane	ND	50.00	48.39	97	52.07	104	80-123	7	0-20	
1,2-Dichlorobenzene	ND	50.00	48.02	96	54.14	108	51-147	12	0-20	
1,3-Dichlorobenzene	ND	50.00	48.64	97	54.65	109	49-151	12	0-20	
1,4-Dichlorobenzene	ND	50.00	45.66	91	50.90	102	51-147	11	0-20	
Dichlorodifluoromethane	ND	50.00	47.93	96	54.27	109	30-170	12	0-20	
1,1-Dichloroethane	ND	50.00	45.16	90	47.67	95	67-127	5	0-20	
1,2-Dichloroethane	ND	50.00	45.15	90	48.95	98	73-133	8	0-20	
1,1-Dichloroethene	ND	50.00	44.20	88	46.83	94	68-128	6	0-20	
c-1,2-Dichloroethene	29.86	50.00	77.92	96	84.73	110	77-125	8	0-20	
t-1,2-Dichloroethene	1.501	50.00	46.11	89	48.73	94	71-131	6	0-20	
1,2-Dichloropropane	ND	50.00	47.37	95	52.83	106	80-120	11	0-20	
1,3-Dichloropropane	ND	50.00	46.87	94	51.69	103	50-146	10	0-20	
2,2-Dichloropropane	ND	50.00	46.71	93	49.99	100	30-170	7	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 8

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	49.73	99	52.99	106	75-129	6	0-20	
c-1,3-Dichloropropene	ND	50.00	52.02	104	57.11	114	80-124	9	0-20	
t-1,3-Dichloropropene	ND	50.00	44.42	89	49.22	98	47-143	10	0-20	
Ethylbenzene	ND	50.00	50.72	101	55.37	111	54-150	9	0-20	
2-Hexanone	ND	50.00	43.31	87	51.72	103	44-152	18	0-20	
Isopropylbenzene	ND	50.00	53.16	106	58.59	117	52-154	10	0-20	
p-Isopropyltoluene	ND	50.00	45.49	91	52.11	104	49-151	14	0-20	
Methylene Chloride	ND	50.00	46.92	94	48.99	98	73-127	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.23	98	56.48	113	70-124	14	0-20	
Naphthalene	ND	50.00	50.94	102	56.67	113	39-153	11	0-20	
n-Propylbenzene	ND	50.00	51.76	104	57.86	116	49-157	11	0-20	
Styrene	ND	50.00	51.07	102	56.47	113	54-150	10	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	49.03	98	53.38	107	50-152	8	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	46.87	94	51.87	104	44-146	10	0-20	
Tetrachloroethene	2.446	50.00	45.01	85	48.66	92	34-170	8	0-20	
Toluene	ND	50.00	49.97	100	53.83	108	80-120	7	0-20	
1,2,3-Trichlorobenzene	ND	50.00	45.51	91	52.83	106	41-161	15	0-20	
1,2,4-Trichlorobenzene	ND	50.00	47.39	95	55.01	110	41-161	15	0-20	
1,1,1-Trichloroethane	ND	50.00	48.36	97	52.27	105	75-129	8	0-20	
1,1,2-Trichloroethane	ND	50.00	47.96	96	52.91	106	51-147	10	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	42.50	85	44.87	90	54-156	5	0-20	
Trichloroethene	1.798	50.00	48.55	93	52.78	102	80-120	8	0-20	
1,2,3-Trichloropropane	ND	50.00	46.10	92	50.67	101	51-147	9	0-20	
1,2,4-Trimethylbenzene	ND	50.00	50.25	101	56.25	113	56-152	11	0-20	
Trichlorofluoromethane	ND	50.00	43.18	86	49.10	98	61-145	13	0-20	
1,3,5-Trimethylbenzene	ND	50.00	51.33	103	57.44	115	56-158	11	0-20	
Vinyl Acetate	ND	50.00	51.33	103	56.11	112	35-167	9	0-20	
Vinyl Chloride	13.69	50.00	54.96	83	63.07	99	67-133	14	0-20	
p/m-Xylene	ND	100.0	104.0	104	112.1	112	51-153	8	0-20	
o-Xylene	ND	50.00	53.35	107	58.35	117	51-153	9	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.74	87	48.13	96	64-130	10	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	255.0	102	287.2	115	76-124	12	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	47.10	94	51.82	104	67-133	10	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	46.80	94	53.47	107	69-129	13	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	46.05	92	53.17	106	75-123	14	0-20	
Ethanol	ND	500.0	500.6	100	549.6	110	53-161	9	0-20	
Cyclohexane	ND	50.00	45.96	92	49.37	99	62-140	7	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2089-1	**Sample**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:15**	**140930S005**
14-09-2089-1	**Matrix Spike**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:42**	**140930S005**
14-09-2089-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 13:09**	**140930S005**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.60	103	51.78	104	80-120	
Dibromofluoromethane	50.00	50.95	102	49.77	100	80-126	
1,2-Dichloroethane-d4	50.00	50.91	102	49.27	99	80-134	
Toluene-d8	50.00	50.54	101	50.50	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2462	**Sample**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 12:35**	**141001D02**
GWS2462	**Sample Duplicate**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 16:32**	**141001D02**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	1.660	1.711	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKD1**
14-09-2095-4	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	399.0	396.0	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2060	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKD2**
FBS2060	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	3.000	3.000	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-2095-4	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**
14-09-2095-4	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	145.2	150.9	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
FBS2060	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**
FBS2060	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2257	**LCS**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 10:02**	**141001L02**
099-12-663-2257	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**10/01/14 10:41**	**141001L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	94.87	93	93.40	92	80-120	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-5027	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 19:45**	**140925L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.952	99	90-110	
Sulfate	50.00	49.20	98	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-476	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**
099-15-859-476	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	98.00	98	98.00	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-57	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**
099-15-981-57	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 5 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4913	**LCS**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	1.000	100	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14520	**LCS**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:00**	**140926LA6**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5262	105	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15246	**LCS**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 18:12**	**140927L013**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.87	102	80-120	73-127	
Carbon Tetrachloride	50.00	54.11	108	67-139	55-151	
Chlorobenzene	50.00	52.78	106	78-120	71-127	
1,2-Dibromoethane	50.00	52.52	105	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.89	104	63-129	52-140	
1,2-Dichloroethane	50.00	50.90	102	70-130	60-140	
1,1-Dichloroethene	50.00	49.31	99	66-126	56-136	
Ethylbenzene	50.00	50.40	101	80-123	73-130	
Toluene	50.00	50.56	101	80-120	73-127	
Trichloroethene	50.00	47.76	96	80-122	73-129	
Vinyl Chloride	50.00	44.72	89	70-130	60-140	
p/m-Xylene	100.0	105.0	105	75-123	67-131	
o-Xylene	50.00	53.49	107	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.43	101	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	264.2	106	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	53.02	106	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.38	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.45	105	67-133	56-144	
Ethanol	500.0	491.5	98	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15246	**LCS**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 18:12**	**140927L013**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.52	99	80-120	
Dibromofluoromethane	50.00	48.95	98	78-126	
1,2-Dichloroethane-d4	50.00	49.07	98	75-135	
Toluene-d8	50.00	50.35	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15259	**LCS**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 10:43**	**140930L016**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.73	97	80-120	73-127	
Carbon Tetrachloride	50.00	48.78	98	67-139	55-151	
Chlorobenzene	50.00	51.09	102	78-120	71-127	
1,2-Dibromoethane	50.00	50.47	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.65	99	63-129	52-140	
1,2-Dichloroethane	50.00	46.44	93	70-130	60-140	
1,1-Dichloroethene	50.00	43.53	87	66-126	56-136	
Ethylbenzene	50.00	52.10	104	80-123	73-130	
Toluene	50.00	49.93	100	80-120	73-127	
Trichloroethene	50.00	47.14	94	80-122	73-129	
Vinyl Chloride	50.00	48.40	97	70-130	60-140	
p/m-Xylene	100.0	105.6	106	75-123	67-131	
o-Xylene	50.00	54.41	109	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	43.91	88	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	241.7	97	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	44.40	89	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	47.39	95	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.71	97	67-133	56-144	
Ethanol	500.0	494.6	99	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2079
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15259	**LCS**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 10:43**	**140930L016**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.43	105	80-120	
Dibromofluoromethane	50.00	49.86	100	78-126	
1,2-Dichloroethane-d4	50.00	49.63	99	75-135	
Toluene-d8	50.00	50.23	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-2079

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8260B	EPA 5030C	486	GC/MS QQ	2
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	783	GC 61	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-2079

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

COC 1 of 1

14-09-2079

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo

Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

Also Email to:
ERICH.WEAVER@URS.COM
MARK.COLLAR@URS.COM
STEVE.COLE@URS.COM
LILY.BAYATI@URS.COM

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B		Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2034	9/25/14	0730	AQ	2	HCl	VOA	X											1
GWS2433	↓	0818	↓	3	↓	↓	X											2
GWS2462	↓	0903	↓	10	Various	Various	X		X	X	X	X	X	X				3
GWS2490	↓	1013	↓	3	HCl	VOA	X											4
GWS2477	↓	1114	↓	3	↓	↓	X											5
GWS2456	↓	1316	↓	10	Various	Various	X		X	X	X	X	X	X				6
GWS2475	↓	1424	↓	3	HCl	VOA	X											7
FBS2040	↓	1500	↓	10	Various	Various	X		X	X	X	X	X	X				8

SAMPLING COMPLETED DATE 9-25-14 TIME 1530

SAMPLING PERFORMED BY Nicholas King

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Nicholas King	1545	Nicole	9/25/14	1588
Nicole	1600	ECI	9/25/14	16
ECI	1730	ECI	9/25/14	17

SHIPPED VIA

TIME SENT

COOLER #

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WORK ORDER #: 14-09-2079

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: WRS

DATE: 09/25/14

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

Temperature 3.6 °C - 0.3 °C (CF) = 3.3 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 820

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 820

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140724D **Labeled/Checked by:** 862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 826/mg

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** SM

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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Supplemental Report 1

The original report has been revised/corrected.

WORK ORDER NUMBER: 14-09-2095

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: URS Corporation

Client Project Name: Del Amo

Attention: David Myers
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117-3153

Vikas Patel

Approved for release on 10/28/2014 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 14-09-2095

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Work Order Narrative

Work Order: 14-09-2095 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/25/14. They were assigned to Work Order 14-09-2095.

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

Holding Times:

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

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

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

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

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

Subcontractor Information:

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

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Sample Summary

Client:	URS Corporation 130 Robin Hill Road, Suite 100 Santa Barbara, CA 93117-3153	Work Order:	14-09-2095
		Project Name:	Del Amo
		PO Number:	
		Date/Time Received:	09/25/14 18:30
		Number of Containers:	72
Attn:	David Myers		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
FBS2035	14-09-2095-1	09/25/14 07:00	2	Aqueous
GWS2412	14-09-2095-2	09/25/14 09:08	3	Aqueous
GWS2493	14-09-2095-3	09/25/14 09:13	3	Aqueous
GWS2416	14-09-2095-4	09/25/14 14:03	20	Aqueous
GWS2464	14-09-2095-5	09/25/14 11:14	10	Aqueous
GWS2434	14-09-2095-6	09/25/14 15:40	6	Aqueous
GWS2496	14-09-2095-7	09/25/14 15:45	3	Aqueous
GWS2465	14-09-2095-8	09/25/14 16:39	10	Aqueous
FBS2061	14-09-2095-9	09/25/14 17:00	10	Aqueous
IWS0278	14-09-2095-10	09/25/14 17:15	5	Aqueous

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QC Association Summary

Work Order: 14-09-2095

Client Sample ID	Method Name	Type	Ext Name	Instrument	MS/MSD/SDP	LCS/LCSD
FBS2035	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2412	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2493	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2416	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
GWS2416	EPA 300.0 Anions	R	N/A	IC 7	140926S01	140926L01
GWS2416	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
GWS2416	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2416	RSK-175M Methane		N/A	GC 52	141002D01	141002L01
GWS2416	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD1	E0925ALKB1
GWS2416	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
GWS2416	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D1	
GWS2464	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
GWS2464	EPA 300.0 Anions	R	N/A	IC 7	140926S01	140926L01
GWS2464	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
GWS2464	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2464	RSK-175M Methane		N/A	GC 52	141002D01	141002L01
GWS2464	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD1	E0925ALKB1
GWS2464	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
GWS2464	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D1	
GWS2434	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S007	140927L013
GWS2496	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2465	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
GWS2465	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
GWS2465	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
GWS2465	RSK-175M Methane		N/A	GC 52	141002D01	141002L01
GWS2465	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD1	E0925ALKB1
GWS2465	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
GWS2465	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D1	
FBS2061	EPA 300.0 Anions		N/A	IC 7	140925S02	140925L02
FBS2061	EPA 6010B ICP Metals		EPA 3010A Total	ICP 7300	140926SA6	140926LA6
FBS2061	EPA 8260B Volatile Organics		EPA 5030C	GC/MS QQ	140930S005	140930L016
FBS2061	RSK-175M Methane		N/A	GC 52	141002D01	141002L01
FBS2061	SM 2320B Alkalinity		N/A	PH1/BUR03	E0925ALKD2	E0925ALKB2
FBS2061	SM 3500-FeB Ferrous Iron		N/A	UV 9	E0925FES2	E0925FEL2
FBS2061	SM4500-CO2D Carbon Dioxide		N/A	PH1/BUR03	E0925CO2D2	
IWS0278	EPA 8015B (M) C4-C12		EPA 5030C	GC 1	140930S008	140930L019
IWS0278	EPA 8260B Volatile Organics		EPA 5030C	GC/MS Q	140927S008	140927L013
IWS0278	EPA 8260B Volatile Organics	R	EPA 5030C	GC/MS QQ	140930S005	140930L016

R = Rerun

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-2095
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/25/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GWS2412 (14-09-2095-2)						
Chloroform	0.87	J	0.46*	ug/L	EPA 8260B	EPA 5030C
GWS2493 (14-09-2095-3)						
Chloroform	0.90	J	0.46*	ug/L	EPA 8260B	EPA 5030C
GWS2416 (14-09-2095-4)						
Nitrate (as N)	2.0		0.10	mg/L	EPA 300.0	N/A
Sulfate	170	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	150		5.0	mg/L	EPA 300.0	N/A
Methyl-t-Butyl Ether (MTBE)	2.0		1.0	ug/L	EPA 8260B	EPA 5030C
Methane	0.0820	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	399		5.00	mg/L	SM 2320B	N/A
Carbon Dioxide	150		5.0	mg/L	SM4500-CO2D	N/A
GWS2464 (14-09-2095-5)						
Sulfate	110	E	1.0	mg/L	EPA 300.0	N/A
Sulfate	98		5.0	mg/L	EPA 300.0	N/A
Manganese	0.535		0.00500	mg/L	EPA 6010B	EPA 3010A Total
sec-Butylbenzene	0.99	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Methane	264		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	296		5.00	mg/L	SM 2320B	N/A
Iron (II)	0.414		0.100	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	94		1.0	mg/L	SM4500-CO2D	N/A
GWS2434 (14-09-2095-6)						
Benzene	0.44	J	0.14*	ug/L	EPA 8260B	EPA 5030C
GWS2496 (14-09-2095-7)						
Benzene	0.47	J	0.14*	ug/L	EPA 8260B	EPA 5030C
GWS2465 (14-09-2095-8)						
Sulfate	16		1.0	mg/L	EPA 300.0	N/A
Manganese	3.53		0.00500	mg/L	EPA 6010B	EPA 3010A Total
Benzene	180000		500	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	24000		1000	ug/L	EPA 8260B	EPA 5030C
Toluene	500	J	240*	ug/L	EPA 8260B	EPA 5030C
Methane	34.3		1.00	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	789		5.00	mg/L	SM 2320B	N/A
Iron (II)	10.5		0.200	mg/L	SM 3500-FeB	N/A
Carbon Dioxide	390		5.0	mg/L	SM4500-CO2D	N/A

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Detections Summary

Client:	URS Corporation	Work Order:	14-09-2095
	130 Robin Hill Road, Suite 100	Project Name:	Del Amo
	Santa Barbara, CA 93117-3153	Received:	09/25/14
Attn:	David Myers		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
FBS2061 (14-09-2095-9)						
Benzene	0.21	J	0.14*	ug/L	EPA 8260B	EPA 5030C
Methane	0.0780	J	0.0400*	ug/L	RSK-175M	N/A
Alkalinity, Total (as CaCO3)	1.5		1.0	mg/L	SM 2320B	N/A
Carbon Dioxide	2.5		1.0	mg/L	SM4500-CO2D	N/A
IWS0278 (14-09-2095-10)						
C4-C5	30	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C6	910		50	ug/L	EPA 8015B (M)	EPA 5030C
C7	19	J	15*	ug/L	EPA 8015B (M)	EPA 5030C
C8	140		50	ug/L	EPA 8015B (M)	EPA 5030C
C9-C10	51		50	ug/L	EPA 8015B (M)	EPA 5030C
C11-C12	49	J	18*	ug/L	EPA 8015B (M)	EPA 5030C
GRO (C4-C12) Total	1200		50	ug/L	EPA 8015B (M)	EPA 5030C
Acetone	12	J	10*	ug/L	EPA 8260B	EPA 5030C
Benzene	520	E	0.50	ug/L	EPA 8260B	EPA 5030C
Benzene	620		5.0	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.46	J	0.23*	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	0.52	J	0.25*	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	90		1.0	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	0.28	J	0.17*	ug/L	EPA 8260B	EPA 5030C
Toluene	2.4		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	5.6		1.0	ug/L	EPA 8260B	EPA 5030C
1,3,5-Trimethylbenzene	1.4		1.0	ug/L	EPA 8260B	EPA 5030C
p/m-Xylene	7.1		1.0	ug/L	EPA 8260B	EPA 5030C
o-Xylene	2.8		1.0	ug/L	EPA 8260B	EPA 5030C
Methyl-t-Butyl Ether (MTBE)	1.0		1.0	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-D**	**09/25/14 14:03**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 11:36**	**141002L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0820	1.00	0.0400	1.00	J

GWS2464	**14-09-2095-5-D**	**09/25/14 11:14**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 12:31**	**141002L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	264	1.00	0.0400	1.00	

GWS2465	**14-09-2095-8-D**	**09/25/14 16:39**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 12:58**	**141002L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	34.3	1.00	0.0400	1.00	

FBS2061	**14-09-2095-9-D**	**09/25/14 17:00**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 14:09**	**141002L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	0.0780	1.00	0.0400	1.00	J

Method Blank	**099-12-663-2259**	**N/A**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 11:04**	**141002L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Methane	ND	1.00	0.0400	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-J**	**09/25/14 14:03**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:47**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	2.0	0.10	0.025	1.00	
Sulfate	170	1.0	0.19	1.00	E

GWS2416	**14-09-2095-4-J**	**09/25/14 14:03**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 17:10**	**140926L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	150	5.0	0.94	5.00	

GWS2464	**14-09-2095-5-J**	**09/25/14 11:14**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 21:02**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	110	1.0	0.19	1.00	E

GWS2464	**14-09-2095-5-J**	**09/25/14 11:14**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 17:26**	**140926L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	98	5.0	0.94	5.00	

GWS2465	**14-09-2095-8-J**	**09/25/14 16:39**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 21:18**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	16	1.0	0.19	1.00	

FBS2061	**14-09-2095-9-J**	**09/25/14 17:00**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 21:33**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Del Amo			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-906-5027**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 19:30**	**140925L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrate (as N)	ND	0.10	0.025	1.00	
Sulfate	ND	1.0	0.19	1.00	

Method Blank	**099-12-906-5031**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 09:37**	**140926L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Sulfate	ND	1.0	0.19	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-M**	**09/25/14 14:03**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	399	5.00	0.848	1.00	

GWS2464	**14-09-2095-5-I**	**09/25/14 11:14**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	296	5.00	0.848	1.00	

GWS2465	**14-09-2095-8-I**	**09/25/14 16:39**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	789	5.00	0.848	1.00	

Method Blank	**099-15-859-476**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2061	**14-09-2095-9-I**	**09/25/14 17:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	1.5	1.0	0.85	1.00	

Method Blank	**099-15-981-57**	**N/A**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Alkalinity, Total (as CaCO3)	ND	1.0	0.85	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-H**	**09/25/14 14:03**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

GWS2464	**14-09-2095-5-H**	**09/25/14 11:14**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	0.414	0.100	0.0413	1.00	

GWS2465	**14-09-2095-8-H**	**09/25/14 16:39**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	10.5	0.200	0.0825	2.00	

FBS2061	**14-09-2095-9-H**	**09/25/14 17:00**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

Method Blank	**099-05-111-4913**	**N/A**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Iron (II)	ND	0.100	0.0413	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-M**	**09/25/14 14:03**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	150	5.0	0.59	1.00	

GWS2464	**14-09-2095-5-I**	**09/25/14 11:14**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	94	1.0	0.59	1.00	

GWS2465	**14-09-2095-8-I**	**09/25/14 16:39**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	390	5.0	0.59	1.00	

FBS2061	**14-09-2095-9-I**	**09/25/14 17:00**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Carbon Dioxide	2.5	1.0	0.59	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IWS0278	**14-09-2095-10-C**	**09/25/14 17:15**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 14:35**	**140930L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	30	50	15	1.00	J
C6	910	50	14	1.00	
C7	19	50	15	1.00	J
C8	140	50	15	1.00	
C9-C10	51	50	15	1.00	
C11-C12	49	50	18	1.00	J
GRO (C4-C12) Total	1200	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	38-134	

Method Blank	**099-13-047-263**	**N/A**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 14:00**	**140930L019**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
C4-C5	ND	50	15	1.00	
C6	ND	50	14	1.00	
C7	ND	50	15	1.00	
C8	ND	50	15	1.00	
C9-C10	ND	50	15	1.00	
C11-C12	ND	50	18	1.00	
GRO (C4-C12) Total	ND	50	18	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	78	38-134	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Del Amo			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-F**	**09/25/14 14:03**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:09**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

GWS2464	**14-09-2095-5-F**	**09/25/14 11:14**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:18**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	0.535	0.00500	0.00270	1.00	

GWS2465	**14-09-2095-8-F**	**09/25/14 16:39**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:20**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	3.53	0.00500	0.00270	1.00	

FBS2061	**14-09-2095-9-F**	**09/25/14 17:00**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:21**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

Method Blank	**097-01-003-14520**	**N/A**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 21:54**	**140926LA6**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Manganese	ND	0.00500	0.00270	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 1 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2035	**14-09-2095-1-A**	**09/25/14 07:00**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 19:31**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 2 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	95	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 3 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2412	**14-09-2095-2-A**	**09/25/14 09:08**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 19:57**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	0.87	1.0	0.46	1.00	J
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 4 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 5 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2493	**14-09-2095-3-A**	**09/25/14 09:13**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:23**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	0.90	1.0	0.46	1.00	J
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 6 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 7 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2416	**14-09-2095-4-A**	**09/25/14 14:03**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:49**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 8 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	2.0	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 9 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2464	**14-09-2095-5-A**	**09/25/14 11:14**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 21:15**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	0.99	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 10 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 11 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2434	**14-09-2095-6-A**	**09/25/14 15:40**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 21:41**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.44	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 12 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	94	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 13 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2496	**14-09-2095-7-A**	**09/25/14 15:45**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 22:07**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.47	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 14 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	106	75-135	
Toluene-d8	96	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 15 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWS2465	**14-09-2095-8-A**	**09/25/14 16:39**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 22:33**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20000	10000	1000	
Benzene	180000	500	140	1000	
Bromobenzene	ND	1000	300	1000	
Bromochloromethane	ND	1000	480	1000	
Bromodichloromethane	ND	1000	210	1000	
Bromoform	ND	1000	500	1000	
Bromomethane	ND	10000	3900	1000	
2-Butanone	ND	10000	2200	1000	
n-Butylbenzene	ND	1000	230	1000	
sec-Butylbenzene	ND	1000	250	1000	
tert-Butylbenzene	ND	1000	280	1000	
Carbon Disulfide	ND	10000	410	1000	
Carbon Tetrachloride	ND	500	230	1000	
Chlorobenzene	ND	1000	170	1000	
Chloroethane	ND	5000	2300	1000	
Chloroform	ND	1000	460	1000	
Chloromethane	ND	10000	1800	1000	
2-Chlorotoluene	ND	1000	240	1000	
4-Chlorotoluene	ND	1000	130	1000	
Dibromochloromethane	ND	1000	250	1000	
1,2-Dibromo-3-Chloropropane	ND	5000	1200	1000	
1,2-Dibromoethane	ND	1000	360	1000	
Dibromomethane	ND	1000	460	1000	
1,2-Dichlorobenzene	ND	1000	460	1000	
1,3-Dichlorobenzene	ND	1000	400	1000	
1,4-Dichlorobenzene	ND	1000	430	1000	
Dichlorodifluoromethane	ND	1000	460	1000	
1,1-Dichloroethane	ND	1000	280	1000	
1,2-Dichloroethane	ND	500	240	1000	
1,1-Dichloroethene	ND	1000	430	1000	
c-1,2-Dichloroethene	ND	1000	480	1000	
t-1,2-Dichloroethene	ND	1000	370	1000	
1,2-Dichloropropane	ND	1000	420	1000	
1,3-Dichloropropane	ND	1000	300	1000	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 16 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1000	360	1000	
1,1-Dichloropropene	ND	1000	460	1000	
c-1,3-Dichloropropene	ND	500	250	1000	
t-1,3-Dichloropropene	ND	500	250	1000	
Ethylbenzene	24000	1000	140	1000	
2-Hexanone	ND	10000	2100	1000	
Isopropylbenzene	ND	1000	580	1000	
p-Isopropyltoluene	ND	1000	160	1000	
Methylene Chloride	ND	10000	640	1000	
4-Methyl-2-Pentanone	ND	10000	4400	1000	
Naphthalene	ND	10000	2500	1000	
n-Propylbenzene	ND	1000	170	1000	
Styrene	ND	1000	170	1000	
1,1,1,2-Tetrachloroethane	ND	1000	400	1000	
1,1,2,2-Tetrachloroethane	ND	1000	410	1000	
Tetrachloroethene	ND	1000	390	1000	
Toluene	500	1000	240	1000	J
1,2,3-Trichlorobenzene	ND	1000	510	1000	
1,2,4-Trichlorobenzene	ND	1000	500	1000	
1,1,1-Trichloroethane	ND	1000	300	1000	
1,1,2-Trichloroethane	ND	1000	380	1000	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	780	1000	
Trichloroethene	ND	1000	370	1000	
1,2,3-Trichloropropane	ND	5000	640	1000	
1,2,4-Trimethylbenzene	ND	1000	360	1000	
Trichlorofluoromethane	ND	10000	1700	1000	
1,3,5-Trimethylbenzene	ND	1000	280	1000	
Vinyl Acetate	ND	10000	2800	1000	
Vinyl Chloride	ND	500	300	1000	
p/m-Xylene	ND	1000	300	1000	
o-Xylene	ND	1000	230	1000	
Methyl-t-Butyl Ether (MTBE)	ND	1000	310	1000	
Cyclohexane	ND	10000	3500	1000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	104	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 17 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FBS2061	**14-09-2095-9-B**	**09/25/14 17:00**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 14:03**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.21	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 18 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	103	75-135	
Toluene-d8	99	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 19 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IWS0278	**14-09-2095-10-A**	**09/25/14 17:15**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 23:25**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	20	10	1.00	J
Benzene	520	0.50	0.14	1.00	E
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	0.46	1.0	0.23	1.00	J
sec-Butylbenzene	0.52	1.0	0.25	1.00	J
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 20 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	90	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	0.28	1.0	0.17	1.00	J
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	2.4	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	5.6	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	1.4	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	7.1	1.0	0.30	1.00	
o-Xylene	2.8	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	1.0	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	101	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 21 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IWS0278	**14-09-2095-10-B**	**09/25/14 17:15**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 13:36**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Benzene	620	5.0	1.4	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	103	78-126	
1,2-Dichloroethane-d4	102	75-135	
Toluene-d8	98	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 22 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15246**	**N/A**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 19:04**	**140927L013**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 23 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	105	75-135	
Toluene-d8	95	80-120	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 24 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15259**	**N/A**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 11:49**	**140930L016**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	2.2	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	0.41	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	1.8	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

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

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Analytical Report

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Del Amo			Page 25 of 25

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	2.1	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	0.64	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	2.5	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
Trichlorofluoromethane	ND	10	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	2.8	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1.00	
Cyclohexane	ND	10	3.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	107	78-126	
1,2-Dichloroethane-d4	107	75-135	
Toluene-d8	101	80-120	

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

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 1 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2416	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 20:47**	**140925S02**
GWS2416	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 21:48**	**140925S02**
GWS2416	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 22:04**	**140925S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	2.026	500.0	505.4	101	504.0	100	80-120	0	0-20	
Sulfate	170.3	5000	5160	100	5162	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2083-7	**Sample**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 16:55**	**140926S01**
14-09-2083-7	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 15:53**	**140926S01**
14-09-2083-7	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 16:09**	**140926S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	101.4	5000	5002	98	5008	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 3 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2416	**Sample**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**
GWS2416	**Matrix Spike**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**
GWS2416	**Matrix Spike Duplicate**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FES2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron (II)	ND	1.000	0.9800	98	1.010	101	70-130	3	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Del Amo			Page 4 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
IWS0278	**Sample**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 14:35**	**140930S008**
IWS0278	**Matrix Spike**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 15:11**	**140930S008**
IWS0278	**Matrix Spike Duplicate**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 15:47**	**140930S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
GRO (C4-C12) Total	1205	2000	2912	85	2943	87	68-122	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Del Amo			Page 5 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
IWS0278	**Sample**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 14:35**	**140930S008**
IWS0278	**Matrix Spike**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 15:11**	**140930S008**
IWS0278	**Matrix Spike Duplicate**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 15:47**	**140930S008**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	100.0	86.97	87	86.77	87	38-134	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 6 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2416	**Sample**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:09**	**140926SA6**
GWS2416	**Matrix Spike**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:15**	**140926SA6**
GWS2416	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:17**	**140926SA6**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Manganese	ND	0.5000	0.5750	115	0.5877	118	86-116	2	0-7	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 7 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2434	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 21:41**	**140927S007**
GWS2434	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 04:10**	**140927S007**
GWS2434	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 04:36**	**140927S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	56.30	113	53.35	107	74-122	5	0-21	
Carbon Tetrachloride	ND	50.00	54.21	108	54.24	108	60-144	0	0-21	
Chlorobenzene	ND	50.00	51.88	104	52.17	104	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	48.72	97	49.58	99	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	50.17	100	51.38	103	70-120	2	0-26	
1,2-Dichloroethane	ND	50.00	50.37	101	50.93	102	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	49.62	99	49.59	99	52-136	0	0-21	
Ethylbenzene	ND	50.00	51.17	102	50.69	101	77-125	1	0-24	
Toluene	ND	50.00	50.94	102	51.00	102	72-126	0	0-23	
Trichloroethene	ND	50.00	46.55	93	46.13	92	74-128	1	0-22	
Vinyl Chloride	ND	50.00	46.10	92	45.61	91	67-133	1	0-20	
p/m-Xylene	ND	100.0	103.6	104	104.3	104	63-129	1	0-25	
o-Xylene	ND	50.00	53.03	106	54.06	108	62-128	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.74	95	48.31	97	68-134	1	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	281.7	113	279.1	112	65-143	1	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	53.03	106	53.04	106	61-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	49.74	99	50.59	101	64-136	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.88	98	49.37	99	67-133	1	0-20	
Ethanol	ND	500.0	555.1	111	584.6	117	34-178	5	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 8 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2434	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 21:41**	**140927S007**
GWS2434	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 04:10**	**140927S007**
GWS2434	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 04:36**	**140927S007**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.32	99	50.21	100	80-120	
Dibromofluoromethane	50.00	50.66	101	49.95	100	78-126	
1,2-Dichloroethane-d4	50.00	48.11	96	48.96	98	75-135	
Toluene-d8	50.00	51.03	102	50.46	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 9 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2416	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:49**	**140927S008**
GWS2416	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:18**	**140927S008**
GWS2416	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:44**	**140927S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.88	102	48.26	97	74-122	5	0-21	
Carbon Tetrachloride	ND	50.00	53.42	107	50.84	102	60-144	5	0-21	
Chlorobenzene	ND	50.00	51.76	104	49.26	99	73-120	5	0-22	
1,2-Dibromoethane	ND	50.00	49.73	99	48.19	96	80-122	3	0-20	
1,2-Dichlorobenzene	ND	50.00	49.80	100	47.10	94	70-120	6	0-26	
1,2-Dichloroethane	ND	50.00	51.84	104	46.70	93	64-142	10	0-20	
1,1-Dichloroethene	ND	50.00	48.68	97	45.64	91	52-136	6	0-21	
Ethylbenzene	ND	50.00	49.66	99	47.32	95	77-125	5	0-24	
Toluene	ND	50.00	50.62	101	46.97	94	72-126	7	0-23	
Trichloroethene	ND	50.00	45.90	92	44.32	89	74-128	4	0-22	
Vinyl Chloride	ND	50.00	45.46	91	45.60	91	67-133	0	0-20	
p/m-Xylene	ND	100.0	103.4	103	97.85	98	63-129	5	0-25	
o-Xylene	ND	50.00	53.27	107	49.49	99	62-128	7	0-24	
Methyl-t-Butyl Ether (MTBE)	2.011	50.00	49.53	95	47.47	91	68-134	4	0-21	
Tert-Butyl Alcohol (TBA)	ND	250.0	266.4	107	264.7	106	65-143	1	0-30	
Diisopropyl Ether (DIPE)	ND	50.00	52.36	105	51.21	102	61-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	48.38	97	47.85	96	64-136	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.53	97	46.40	93	67-133	4	0-20	
Ethanol	ND	500.0	593.2	119	534.0	107	34-178	11	0-58	

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RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GWS2416	**Sample**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 20:49**	**140927S008**
GWS2416	**Matrix Spike**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:18**	**140927S008**
GWS2416	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/28/14 03:44**	**140927S008**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	50.12	100	49.29	99	80-120	
Dibromofluoromethane	50.00	49.79	100	49.59	99	78-126	
1,2-Dichloroethane-d4	50.00	48.96	98	49.82	100	75-135	
Toluene-d8	50.00	50.90	102	50.12	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2089-1	**Sample**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:15**	**140930S005**
14-09-2089-1	**Matrix Spike**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:42**	**140930S005**
14-09-2089-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 13:09**	**140930S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	51.82	50.00	82.41	61	91.41	79	51-171	10	0-20	
Benzene	ND	50.00	48.47	97	52.37	105	80-120	8	0-20	
Bromobenzene	ND	50.00	47.92	96	52.98	106	54-150	10	0-20	
Bromochloromethane	ND	50.00	47.61	95	51.15	102	77-125	7	0-20	
Bromodichloromethane	ND	50.00	49.88	100	54.59	109	78-126	9	0-20	
Bromoform	ND	50.00	47.58	95	53.02	106	41-155	11	0-20	
Bromomethane	ND	50.00	48.73	97	52.42	105	30-152	7	0-20	
2-Butanone	ND	50.00	45.32	91	49.72	99	52-160	9	0-20	
n-Butylbenzene	ND	50.00	48.85	98	56.80	114	50-164	15	0-20	
sec-Butylbenzene	ND	50.00	50.76	102	58.09	116	49-157	13	0-20	
tert-Butylbenzene	ND	50.00	50.77	102	57.46	115	48-156	12	0-20	
Carbon Disulfide	ND	50.00	38.41	77	39.40	79	69-123	3	0-20	
Carbon Tetrachloride	ND	50.00	49.14	98	52.00	104	62-140	6	0-20	
Chlorobenzene	ND	50.00	49.51	99	53.88	108	52-148	8	0-20	
Chloroethane	ND	50.00	45.02	90	51.32	103	66-132	13	0-20	
Chloroform	2.306	50.00	50.16	96	53.19	102	80-122	6	0-20	
Chloromethane	ND	50.00	41.73	83	48.18	96	45-147	14	0-20	
2-Chlorotoluene	ND	50.00	51.31	103	56.84	114	51-153	10	0-20	
4-Chlorotoluene	ND	50.00	48.97	98	55.39	111	49-151	12	0-20	
Dibromochloromethane	ND	50.00	49.91	100	55.20	110	48-150	10	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	46.13	92	51.47	103	46-142	11	0-20	
1,2-Dibromoethane	ND	50.00	47.76	96	52.46	105	51-147	9	0-20	
Dibromomethane	ND	50.00	48.39	97	52.07	104	80-123	7	0-20	
1,2-Dichlorobenzene	ND	50.00	48.02	96	54.14	108	51-147	12	0-20	
1,3-Dichlorobenzene	ND	50.00	48.64	97	54.65	109	49-151	12	0-20	
1,4-Dichlorobenzene	ND	50.00	45.66	91	50.90	102	51-147	11	0-20	
Dichlorodifluoromethane	ND	50.00	47.93	96	54.27	109	30-170	12	0-20	
1,1-Dichloroethane	ND	50.00	45.16	90	47.67	95	67-127	5	0-20	
1,2-Dichloroethane	ND	50.00	45.15	90	48.95	98	73-133	8	0-20	
1,1-Dichloroethene	ND	50.00	44.20	88	46.83	94	68-128	6	0-20	
c-1,2-Dichloroethene	29.86	50.00	77.92	96	84.73	110	77-125	8	0-20	
t-1,2-Dichloroethene	1.501	50.00	46.11	89	48.73	94	71-131	6	0-20	
1,2-Dichloropropane	ND	50.00	47.37	95	52.83	106	80-120	11	0-20	
1,3-Dichloropropane	ND	50.00	46.87	94	51.69	103	50-146	10	0-20	
2,2-Dichloropropane	ND	50.00	46.71	93	49.99	100	30-170	7	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 13

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	49.73	99	52.99	106	75-129	6	0-20	
c-1,3-Dichloropropene	ND	50.00	52.02	104	57.11	114	80-124	9	0-20	
t-1,3-Dichloropropene	ND	50.00	44.42	89	49.22	98	47-143	10	0-20	
Ethylbenzene	ND	50.00	50.72	101	55.37	111	54-150	9	0-20	
2-Hexanone	ND	50.00	43.31	87	51.72	103	44-152	18	0-20	
Isopropylbenzene	ND	50.00	53.16	106	58.59	117	52-154	10	0-20	
p-Isopropyltoluene	ND	50.00	45.49	91	52.11	104	49-151	14	0-20	
Methylene Chloride	ND	50.00	46.92	94	48.99	98	73-127	4	0-20	
4-Methyl-2-Pentanone	ND	50.00	49.23	98	56.48	113	70-124	14	0-20	
Naphthalene	ND	50.00	50.94	102	56.67	113	39-153	11	0-20	
n-Propylbenzene	ND	50.00	51.76	104	57.86	116	49-157	11	0-20	
Styrene	ND	50.00	51.07	102	56.47	113	54-150	10	0-20	
1,1,1,2-Tetrachloroethane	ND	50.00	49.03	98	53.38	107	50-152	8	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	46.87	94	51.87	104	44-146	10	0-20	
Tetrachloroethene	2.446	50.00	45.01	85	48.66	92	34-170	8	0-20	
Toluene	ND	50.00	49.97	100	53.83	108	80-120	7	0-20	
1,2,3-Trichlorobenzene	ND	50.00	45.51	91	52.83	106	41-161	15	0-20	
1,2,4-Trichlorobenzene	ND	50.00	47.39	95	55.01	110	41-161	15	0-20	
1,1,1-Trichloroethane	ND	50.00	48.36	97	52.27	105	75-129	8	0-20	
1,1,2-Trichloroethane	ND	50.00	47.96	96	52.91	106	51-147	10	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	42.50	85	44.87	90	54-156	5	0-20	
Trichloroethene	1.798	50.00	48.55	93	52.78	102	80-120	8	0-20	
1,2,3-Trichloropropane	ND	50.00	46.10	92	50.67	101	51-147	9	0-20	
1,2,4-Trimethylbenzene	ND	50.00	50.25	101	56.25	113	56-152	11	0-20	
Trichlorofluoromethane	ND	50.00	43.18	86	49.10	98	61-145	13	0-20	
1,3,5-Trimethylbenzene	ND	50.00	51.33	103	57.44	115	56-158	11	0-20	
Vinyl Acetate	ND	50.00	51.33	103	56.11	112	35-167	9	0-20	
Vinyl Chloride	13.69	50.00	54.96	83	63.07	99	67-133	14	0-20	
p/m-Xylene	ND	100.0	104.0	104	112.1	112	51-153	8	0-20	
o-Xylene	ND	50.00	53.35	107	58.35	117	51-153	9	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.74	87	48.13	96	64-130	10	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	255.0	102	287.2	115	76-124	12	0-20	
Diisopropyl Ether (DIPE)	ND	50.00	47.10	94	51.82	104	67-133	10	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	46.80	94	53.47	107	69-129	13	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	46.05	92	53.17	106	75-123	14	0-20	
Ethanol	ND	500.0	500.6	100	549.6	110	53-161	9	0-20	
Cyclohexane	ND	50.00	45.96	92	49.37	99	62-140	7	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Spike/Spike Duplicate - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 13 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-2089-1	**Sample**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:15**	**140930S005**
14-09-2089-1	**Matrix Spike**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 12:42**	**140930S005**
14-09-2089-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 13:09**	**140930S005**

Parameter	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	51.60	103	51.78	104	80-120	
Dibromofluoromethane	50.00	50.95	102	49.77	100	80-126	
1,2-Dichloroethane-d4	50.00	50.91	102	49.27	99	80-134	
Toluene-d8	50.00	50.54	101	50.50	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2416	**Sample**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 11:36**	**141002D01**
GWS2416	**Sample Duplicate**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 12:02**	**141002D01**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Methane	ND	ND	N/A	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2416	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKD1**
GWS2416	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	399.0	396.0	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-2079-8	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKD2**
14-09-2079-8	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	3.000	3.000	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
GWS2416	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**
GWS2416	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925CO2D1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	145.2	150.9	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM4500-CO2D
Project: Del Amo			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-09-2079-8	**Sample**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**
14-09-2079-8	**Sample Duplicate**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925CO2D2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Carbon Dioxide	ND	ND	N/A	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	RSK-175M
Project: Del Amo			Page 1 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-663-2259	**LCS**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 10:10**	**141002L01**
099-12-663-2259	**LCSD**	**Aqueous**	**GC 52**	**N/A**	**10/02/14 10:38**	**141002L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methane	102.0	94.09	92	97.36	95	80-120	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 2 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-5027	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/25/14 19:45**	**140925L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrate (as N)	5.000	4.952	99	90-110	
Sulfate	50.00	49.20	98	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	EPA 300.0
Project: Del Amo			Page 3 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-5031	**LCS**	**Aqueous**	**IC 7**	**N/A**	**09/26/14 09:52**	**140926L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	50.00	49.36	99	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 4 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-859-476	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**
099-15-859-476	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:48**	**E0925ALKB1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	100.0	98.00	98	98.00	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 2320B
Project: Del Amo			Page 5 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-981-57	**LCS**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**
099-15-981-57	**LCSD**	**Aqueous**	**PH1/BUR03**	**N/A**	**09/25/14 19:58**	**E0925ALKB2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	10.00	10.00	100	10.00	100	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	N/A
		Method:	SM 3500-FeB
Project: Del Amo			Page 6 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-05-111-4913	**LCS**	**Aqueous**	**UV 9**	**09/25/14**	**09/25/14 20:18**	**E0925FEL2**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron (II)	1.000	1.000	100	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Del Amo			Page 7 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-13-047-263	**LCS**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 13:24**	**140930L019**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
GRO (C4-C12) Total	2000	2015	101	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Del Amo			Page 8 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-13-047-263	**LCS**	**Aqueous**	**GC 1**	**09/30/14**	**09/30/14 13:24**	**140930L019**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	100.0	88.59	89	38-134	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Del Amo			Page 9 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14520	**LCS**	**Aqueous**	**ICP 7300**	**09/26/14**	**10/02/14 22:00**	**140926LA6**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Manganese	0.5000	0.5262	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 10 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15246	**LCS**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 18:12**	**140927L013**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.87	102	80-120	73-127	
Carbon Tetrachloride	50.00	54.11	108	67-139	55-151	
Chlorobenzene	50.00	52.78	106	78-120	71-127	
1,2-Dibromoethane	50.00	52.52	105	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.89	104	63-129	52-140	
1,2-Dichloroethane	50.00	50.90	102	70-130	60-140	
1,1-Dichloroethene	50.00	49.31	99	66-126	56-136	
Ethylbenzene	50.00	50.40	101	80-123	73-130	
Toluene	50.00	50.56	101	80-120	73-127	
Trichloroethene	50.00	47.76	96	80-122	73-129	
Vinyl Chloride	50.00	44.72	89	70-130	60-140	
p/m-Xylene	100.0	105.0	105	75-123	67-131	
o-Xylene	50.00	53.49	107	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	50.43	101	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	264.2	106	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	53.02	106	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	52.38	105	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.45	105	67-133	56-144	
Ethanol	500.0	491.5	98	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 11 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15246	**LCS**	**Aqueous**	**GC/MS Q**	**09/27/14**	**09/27/14 18:12**	**140927L013**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	49.52	99	80-120	
Dibromofluoromethane	50.00	48.95	98	78-126	
1,2-Dichloroethane-d4	50.00	49.07	98	75-135	
Toluene-d8	50.00	50.35	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 12 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15259	**LCS**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 10:43**	**140930L016**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.73	97	80-120	73-127	
Carbon Tetrachloride	50.00	48.78	98	67-139	55-151	
Chlorobenzene	50.00	51.09	102	78-120	71-127	
1,2-Dibromoethane	50.00	50.47	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.65	99	63-129	52-140	
1,2-Dichloroethane	50.00	46.44	93	70-130	60-140	
1,1-Dichloroethene	50.00	43.53	87	66-126	56-136	
Ethylbenzene	50.00	52.10	104	80-123	73-130	
Toluene	50.00	49.93	100	80-120	73-127	
Trichloroethene	50.00	47.14	94	80-122	73-129	
Vinyl Chloride	50.00	48.40	97	70-130	60-140	
p/m-Xylene	100.0	105.6	106	75-123	67-131	
o-Xylene	50.00	54.41	109	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	43.91	88	69-129	59-139	
Tert-Butyl Alcohol (TBA)	250.0	241.7	97	69-129	59-139	
Diisopropyl Ether (DIPE)	50.00	44.40	89	68-128	58-138	
Ethyl-t-Butyl Ether (ETBE)	50.00	47.39	95	63-135	51-147	
Tert-Amyl-Methyl Ether (TAME)	50.00	48.71	97	67-133	56-144	
Ethanol	500.0	494.6	99	42-168	21-189	

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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LCS Only - Surrogate

URS Corporation		Date Received:	09/25/14
130 Robin Hill Road, Suite 100		Work Order:	14-09-2095
Santa Barbara, CA 93117-3153		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Del Amo			Page 13 of 13

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15259	**LCS**	**Aqueous**	**GC/MS QQ**	**09/30/14**	**09/30/14 10:43**	**140930L016**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Bromofluorobenzene	50.00	52.43	105	80-120	
Dibromofluoromethane	50.00	49.86	100	78-126	
1,2-Dichloroethane-d4	50.00	49.63	99	75-135	
Toluene-d8	50.00	50.23	100	80-120	

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-09-2095

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	811	IC 7	1
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 8015B (M)	EPA 5030C	902	GC 1	2
EPA 8260B	EPA 5030C	486	GC/MS QQ	2
EPA 8260B	EPA 5030C	823	GC/MS Q	2
RSK-175M	N/A	930	GC 52	2
SM 2320B	N/A	688	PH1/BUR03	1
SM 3500-FeB	N/A	686	UV 9	1
SM4500-CO2D	N/A	688	PH1/BUR03	1

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Glossary of Terms and Qualifiers

Work Order: 14-09-2095

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

COC 1 of 1

14-09-2095

CHAIN OF CUSTODY

CLIENT URS

SITE Del Amo

Torrance, CA

Reporting and Billing info:
David Myers, PG
Field Services Manager
URS Corporation
130 Robin Hill Road, Suite 100
Santa Barbara, CA 93117
Cell: (805) 345-5929
david.myers@urs.com

Erich.weaver@urs.com
mark.collar@urs.com
steve.cole@urs.com
David.myers@urs.com
lily.bayon@urs.com

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS #	Preservation	Type	VOC's by EPA 8260B	Full Scan TPH - EPA 8015	Carbon Dioxide by SM4500-Co2D	Nitrate, Sulfate by EPA 300.0	Manganese by EPA 6010B	Methane by RSK-175M	Alkalinity by SM 2320B	Ferrous Iron By SM 3500-FeB	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
FBS2035	9/25/14	0700	W	2	HCl	VOA	X											1
GWS2412		0908		3	HCl	VOA	X											2
GWS2493		0913		3	HCl	VOA	X											3
GWS2416		1403		20	various	various	X		X	X	X	X	X	X	MS/MSD			4
GWS2464		1114		10	various	various	X		X	X	X	X	X	X				5
GWS2434		1540		6	HCl	VOA	X								MS/MSD			6
GWS2496		1545		3	HCl	VOA	X											7
GWS2465		1639		10	various	various	X		X	X	X	X	X	X				8
FBS2061		1700		10	various	various	X		X	X	X	X	X	X				9
IWS0278		1715		5	HCl	VOA	X	X										10

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	9/25/14	1730	Jason Mahn	Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
	1730		9/25/14	1730
	1830	Dannyle ECL	9/25/14	18:30

SHIPPED VIA	TIME SENT	COOLER #

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eurofins | Calscience

WORK ORDER #: 14-09-2095

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: URS

DATE: 09/25/14

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

Temperature 4.4 °C - 0.3 °C (CF) = 4.1 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☑250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☑250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 140724B **Labeled/Checked by:** 659/862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 862/774

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 774

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Vikas Patel

From: Shore, Richard [richard.shore@urs.com]
Sent: Tuesday, September 16, 2014 11:40 AM
To: Vikas Patel
Cc: Weaver, Erich
Subject: Del Amo groundwater samples (project # 29500829.05)

Hi Vik,

I understand the lab was asked not to report TBA in the VOC analysis for groundwater samples that were collected during the last two weeks at the Del Amo Superfund Site, but we have a few exceptions. We need TBA reported for the following groundwater samples (w/ date collected):

GWS2408 (9/4)
GWS2413 (9/11)
GWS2414 (9/5)
GWS2420 (9/11)
GWS2424 (9/10)
GWS2431 (9/9)
GWS2502 (9/9)
GWS2435 (9/9)
GWS2439 (9/9)
GWS2445 (9/11)
GWS2446 (9/4)
GWS2459 (9/4)
GWS2463 (9/11)
GWS2469 (9/10)
GWS2470 (9/5)
GWS2472 (9/4)
GWS2478 (9/10)
GWS2481 (9/8)
GWS2487 (9/10)

Please let me know if this is a problem or if you have any questions.

Regards,
Richard

Richard Shore
Staff Geologist
URS Corporation
805 698 9081

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Vikas Patel

From: Bayati, Lily [lily.bayati@urs.com]
Sent: Thursday, October 23, 2014 8:59 AM
To: Vikas Patel
Subject: Del AMo

Hi Vik,

Per our conversations, please re-issue the Del Amo reports and edds with the following revisions:

1 - Remove Fuel oxygenates (with the exception of MTBE) from the analyte list for all samples with the exception of the samples Richard Shore emailed you on 9/16/14.
2- Report MTBE for all samples.
3 - Report TBA and fuel oxygenates only for the samples on Richard Shore's list.

Thanks

Lily Bayati | Senior Project Chemist
URS Corporation | Geosciences/Remediation | Santa Ana, CA
D (714) 648-2729 | M (714) 458-1284
O (714) 835-6886 | F (714) 667-7147

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APPENDIX C

MANN-KENDALL STATISTICAL ANALYSIS

Del Amo Mann Kendall Trend Evaluation on Select Wells		
Monitor Well	**Short-Term Mann-Kendall Result***	**Longer-Term Mann-Kendall Result****
Benzene (Water Table)		
PZL0009	Decreasing	Insufficient Data
PZL0011	Decreasing	Insufficient Data
PZL0013	Decreasing	Insufficient Data
PZL0018	No Trend	No Trend
PZL0020	Decreasing	Decreasing
PZL0026	Decreasing	Insufficient Data
SWL0003	Decreasing	Insufficient Data
SWL0004	Decreasing	Insufficient Data
SWL0008	Decreasing	Decreasing
SWL0044	Decreasing	Insufficient Data
SWL0051	Decreasing	Insufficient Data
SWL0059	Insufficient Data	Insufficient Data
SWL0068	Insufficient Data	Insufficient Data
XMW-01HD	Insufficient Data	Insufficient Data
XMW-04HD	Decreasing	Insufficient Data
XMW-28	Decreasing	Insufficient Data
XMW-29	Decreasing	No Trend
Benzene (MBFB)		
SWL0029	No Trend	Insufficient Data
SWL0032	Insufficient Data	Insufficient Data
SWL0041	No Trend	Insufficient Data
SWL0048	Increasing	Insufficient Data
SWL0050	No Trend	Insufficient Data
SWL0060	Insufficient Data	Insufficient Data
Benzene (MBFC)		
SWL0054	Decreasing	Insufficient Data
SWL0065	Insufficient Data	Insufficient Data
XBF-13	Decreasing	Insufficient Data
Benzene (Gage)		
SWL0063	Insufficient Data	Insufficient Data
SWL0066	Insufficient Data	Insufficient Data
TOTALS		
Increasing	**1**	**0**
No Trend	**4**	**2**
Decreasing	**15**	**2**
Insufficient Data	**8**	**24**

Notes:

All wells analyzed for trends in Total Xylenes concentrations

* Short-Term result utilizes last eight sampling events.

** Longer-Term result utilizes last 16 sampling events.

Mann Kendall Trend Evaluation

Contaminant: Benzene (Water Table)

Monitoring Inputs

Well ID	PLZ0009	PLZ0011	PLZ0013	PLZ0018	PLZ0020
Event	ug/l	ug/l	ug/l	ug/l	ug/l
1	9000	86000	570000	0.75	350000
2	1200	77000	590000	0.5	400000
3	550	43000	520000	0.5	580000
4	680	38000	470000	0.5	470000
5	290	40000	400000	0.68	570000
6	170	36000	460000	0.5	540000
7	72	8100	300000	0.27	480000
8	11	120	330000	0.53	480000
9				1.4	410000
10				20000	510000
11				4200	290000
12				2500	530000
13				0.5	410000
14				63000	370000
15				1700	190000
16				0.5	280000

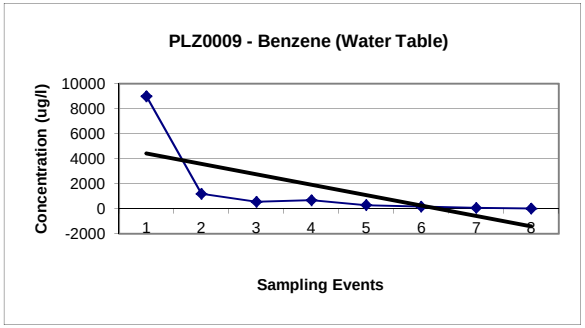
Mann-Kendall Results

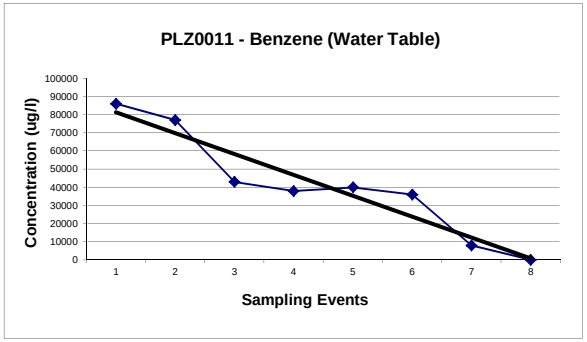
8 Event Evaluation

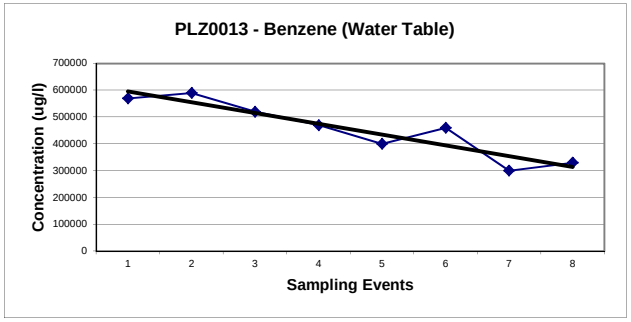
PLZ0009	Decreasing
PLZ0011	Decreasing
PLZ0013	Decreasing
PLZ0018	No Trend
PLZ0020	Decreasing

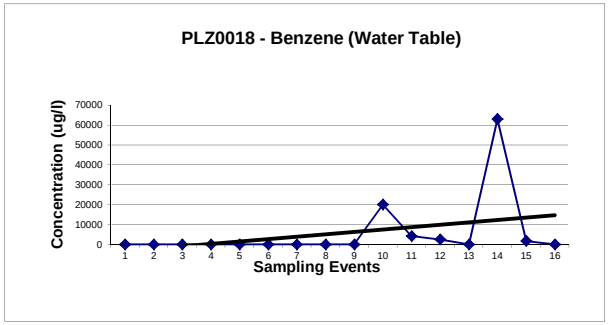
16 Event Evaluation

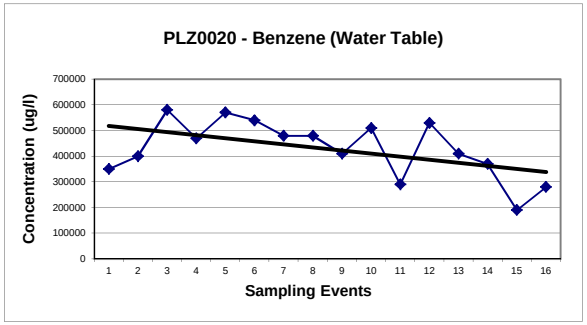
PLZ0009	Insufficient Data
PLZ0011	Insufficient Data
PLZ0013	Insufficient Data
PLZ0018	No Trend
PLZ0020	Decreasing











Mann Kendall Trend Evaluation

Contaminant: **Benzene (Water Table)**

Monitoring Inputs

Well ID	PLZ0026	SWL0003	SWL0004	SWL0008
Event	ug/l	ug/l	ug/l	ug/l
1	2700	340000	920000	25000
2	3900	430000	870000	12000
3	2400	350000	870000	11000
4	1100	330000	950000	24000
5	620	340000	820000	23000
6	2000	150000	610000	2300
7	91	170000	610000	25000
8	53	2.1	46000	1700
9				9300
10				49000
11				21000
12				810
13				340
14				140
15				52
16				12

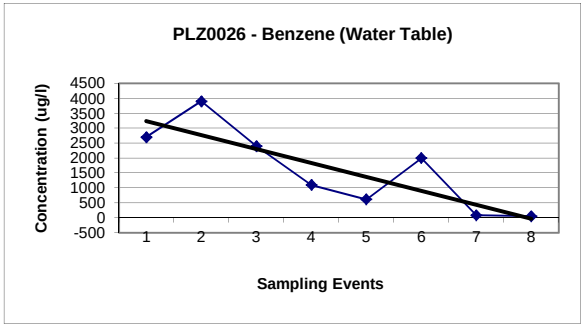
Mann-Kendall Results

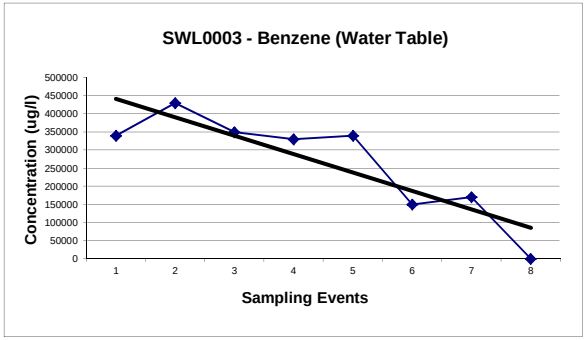
8 Event Evaluation

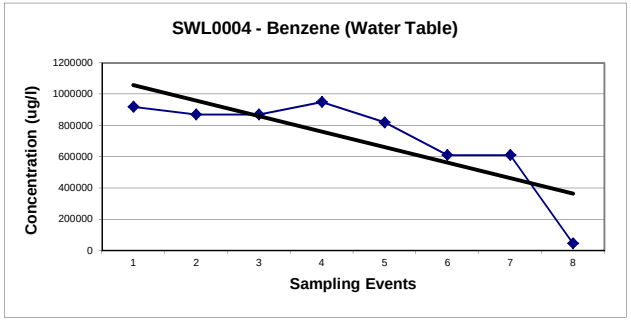
PLZ0026	Decreasing
SWL0003	Decreasing
SWL0004	Decreasing
SWL0008	Decreasing

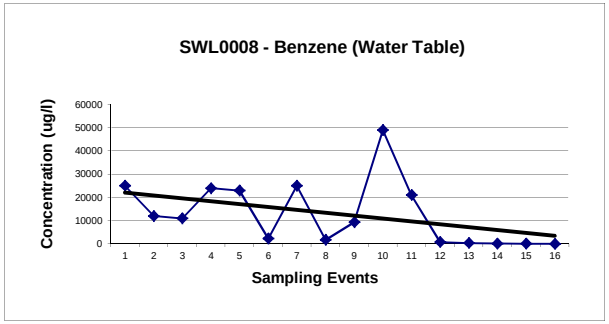
16 Event Evaluation

PLZ0026	Insufficient Data
SWL0003	Insufficient Data
SWL0004	Insufficient Data
SWL0008	Decreasing









Mann Kendall Trend Evaluation

Contaminant: Benzene (Water Table)

Monitoring Inputs

Well ID	SWL0044	SWL0051	SWL0059	SWL0068	XMW-01HD
Event	ug/l	ug/l	ug/l	ug/l	ug/l
1	5700	8.4	9.3	280000	62
2	56000	7.9	5	150000	
3	28	12		150000	
4	4.5	5			
5	50	0.61			
6	1.1	0.57			
7	0.82	4			
8	2.1	0.5			
9					
10					
11					
12					
13					
14					
15					
16					

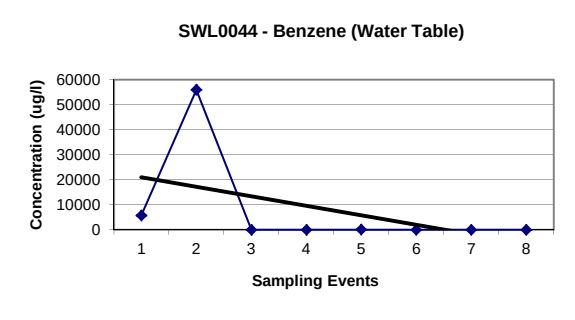
Mann-Kendall Results

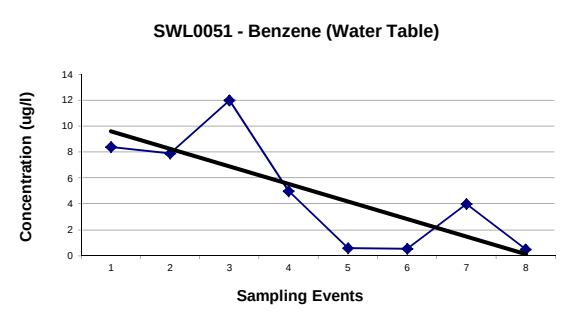
8 Event Evaluation

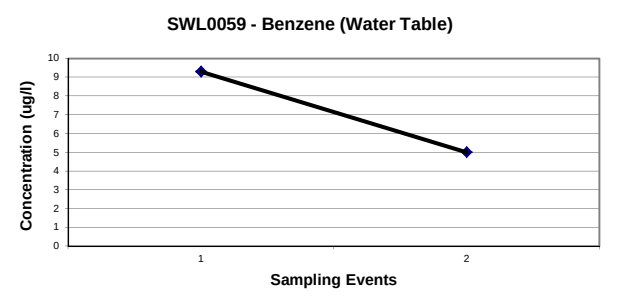
SWL0044	Decreasing
SWL0051	Decreasing
SWL0059	Insufficient Data
SWL0068	Insufficient Data
XMW-01HD	Insufficient Data

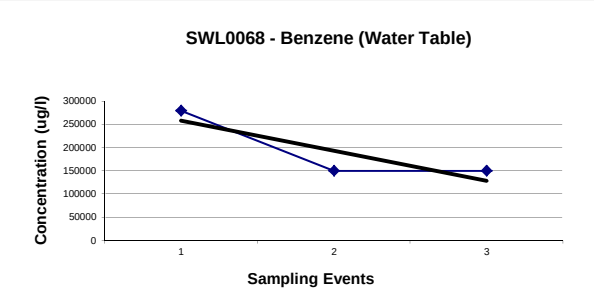
16 Event Evaluation

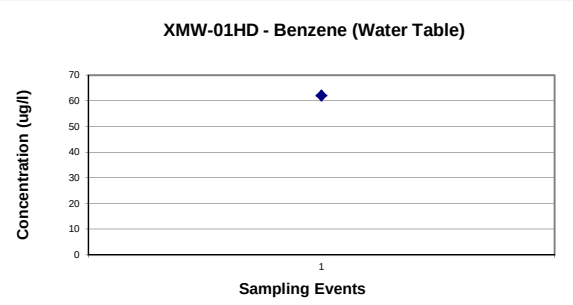
SWL0044	Insufficient Data
SWL0051	Insufficient Data
SWL0059	Insufficient Data
SWL0068	Insufficient Data
XMW-01HD	Insufficient Data











Mann Kendall Trend Evaluation

Contaminant: **Benzene (Water Table)**

Monitoring Inputs

Well ID	XMW-04HD	XMW-28	XMW-29
Event	ug/l	ug/l	ug/l
1	980000	150000	6600
2	900000	170000	24000
3	800000	140000	96000
4	890000	72000	150000
5	670000	100000	180000
6	310000	69000	240000
7	430000	44000	5700
8	330000	22000	110000
9			420000
10			580000
11			380000
12			47000
13			170000
14			100000
15			73000
16			36000

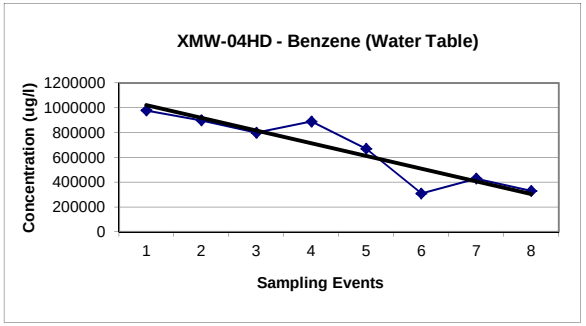
Mann-Kendall Results

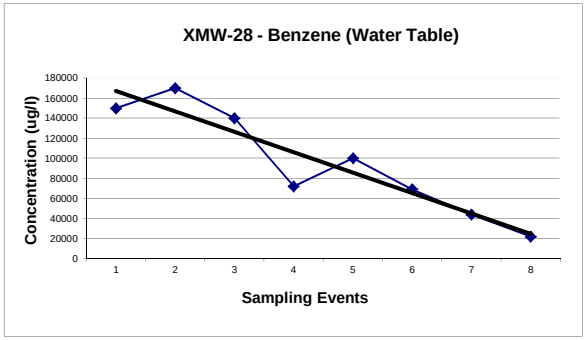
8 Event Evaluation

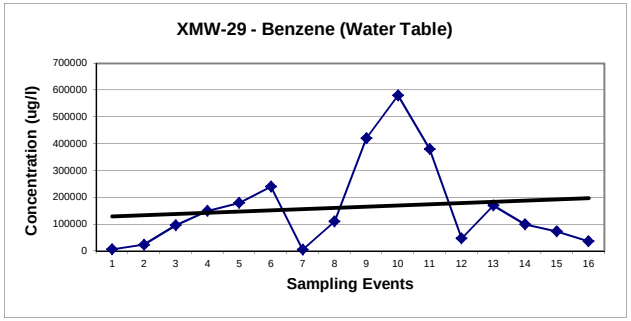
XMW-04HD	Decreasing
XMW-28	Decreasing
XMW-29	Decreasing

16 Event Evaluation

XMW-04HD	Insufficient Data
XMW-28	Insufficient Data
XMW-29	No Trend







Mann Kendall Trend Evaluation

Contaminant: Benzene (MBFB)

Monitoring Inputs

Well ID	SWL0029	SWL0032	SWL0041	SWL0048	SWL0050
Event	ug/l	ug/l	ug/l	ug/l	ug/l
1	1.1	660000	8500	33000	69000
2	1.7		5900	38000	74000
3	0.88		1600	22000	46000
4	0.75		330	49000	62000
5	1.1		550	59000	46000
6	1.3		22000	190000	84000
7	1.7		11000	180000	78000
8	0.65		1.8	180000	2700
9					
10					
11					
12					
13					
14					
15					
16					

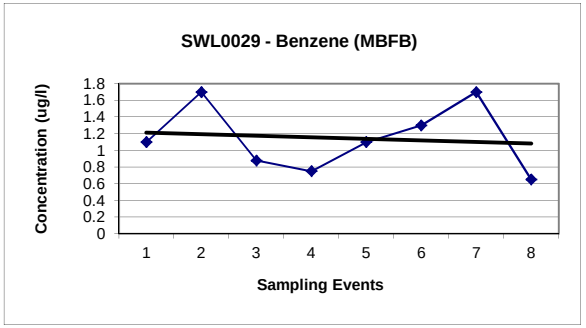
Mann-Kendall Results

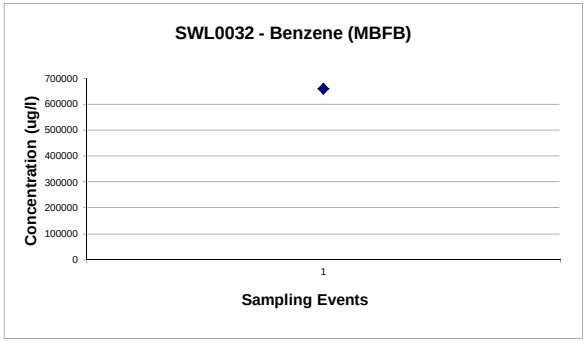
8 Event Evaluation

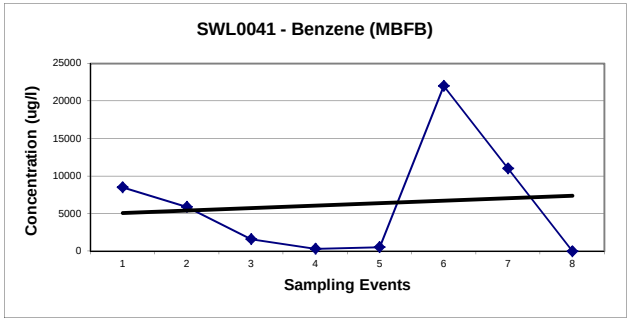
SWL0029	No Trend
SWL0032	Insufficient Data
SWL0041	No Trend
SWL0048	Increasing
SWL0050	No Trend

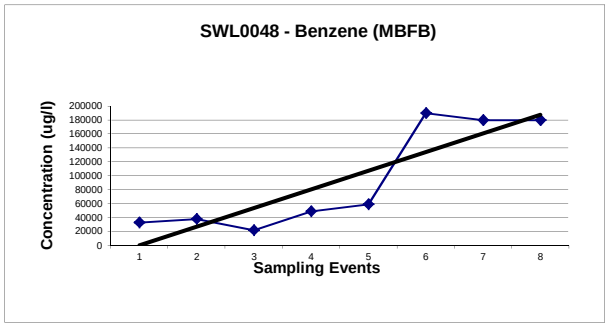
16 Event Evaluation

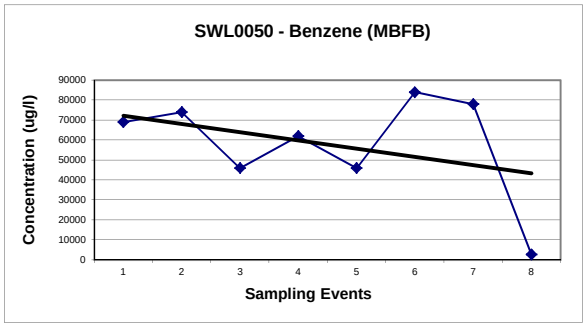
SWL0029	Insufficient Data
SWL0032	Insufficient Data
SWL0041	Insufficient Data
SWL0048	Insufficient Data
SWL0050	Insufficient Data











Mann Kendall Trend Evaluation

Contaminant: Benzene (MBFB)

Monitoring Inputs

Well ID	SWL0060
Event	ug/l
1	11
2	15
3	240
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

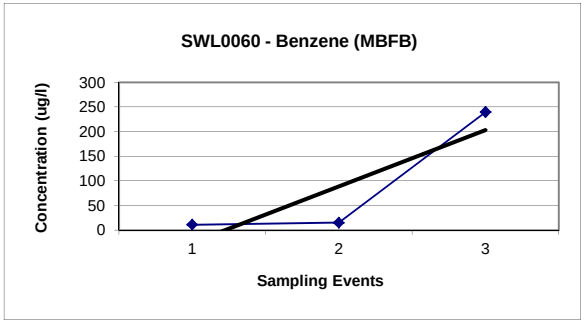
Mann-Kendall Results

8 Event Evaluation

SWL0060	Insufficient Data

16 Event Evaluation

SWL0060	Insufficient Data



Mann Kendall Trend Evaluation

Contaminant: Benzene (MBFC)

Monitoring Inputs

Well ID	SWL0054	SWL0065
Event	ug/l	ug/l
1	14	180000
2	16	340000
3	11	190000
4	6.7	95000
5	5.5	470
6	12	
7	1.8	
8	1.3	
9		
10		
11		
12		
13		
14		
15		
16		

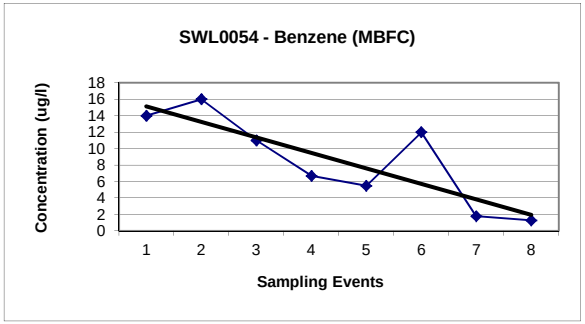
Mann-Kendall Results

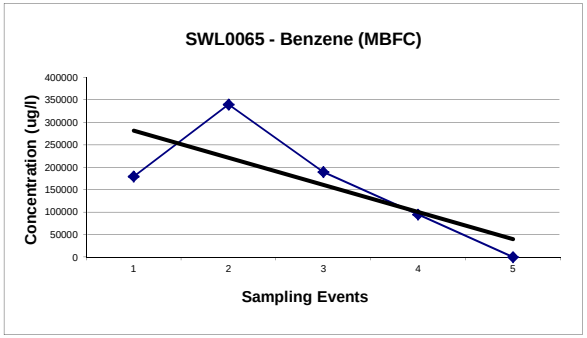
8 Event Evaluation

SWL0054	Decreasing
SWL0065	Insufficient Data

16 Event Evaluation

SWL0054	Insufficient Data
SWL0065	Insufficient Data





Mann Kendall Trend Evaluation

Contaminant: Benzene (MBFC)

Monitoring Inputs

Well ID	XBF-13
Event	ug/l
1	15000
2	21000
3	20000
4	22000
5	19000
6	8700
7	1200
8	3.9
9	
10	
11	
12	
13	
14	
15	
16	

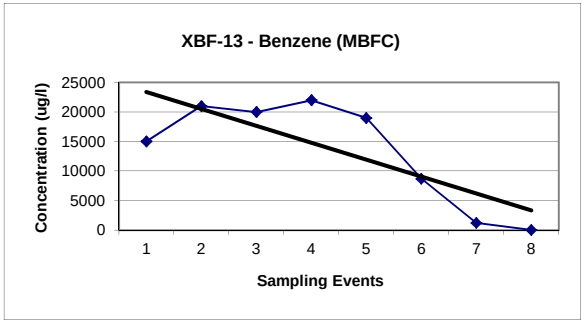
Mann-Kendall Results

8 Event Evaluation

XBF-13	Decreasing

16 Event Evaluation

XBF-13	Insufficient Data



Mann Kendall Trend Evaluation

Contaminant: Benzene (Gage)

Monitoring Inputs

Well ID	SWL0063	SWL0066
Event	ug/l	ug/l
1	520	1
2	520	2.5
3	550	0.29
4	890	420
5	480	
6	460	
7	35	
8		
9		
10		
11		
12		
13		
14		
15		
16		

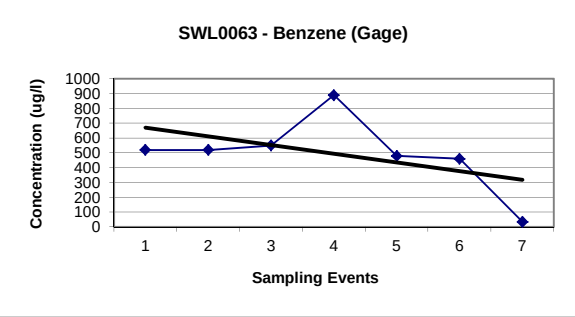
Mann-Kendall Results

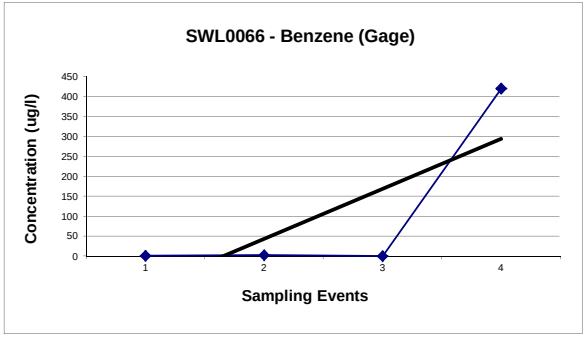
8 Event Evaluation

SWL0063	Insufficient Data
SWL0066	Insufficient Data

16 Event Evaluation

SWL0063	Insufficient Data
SWL0066	Insufficient Data





APPENDIX D

DATA VALIDATION MEMORANDUM

URS

Data Validation Memorandum
2020 East First Street
Santa Ana, CA 92705
Telephone - (714) 835-6886
Fax: (909) 980-1399

TO:	Erich Weaver	**FILE:**	29500829.08
FROM:	Lily Bayati, Analytical Services Group	**SITE**:	Del Amo - 2014 GW Sampling Event
DATE:	November 17, 2014		

SUBJECT: Summary of Data Validation for Eurofins/Calscience Reports: 14-09-0299, 14-09-0318, 14-09-0438, 14-09-0439, 14-09-0538, 14-09-0539, 14-09-0656, 14-09-0657, 14-09-0756, 14-09-0757, 14-09-0919, 14-09-0920, 14-09-1056, 14-09-2079, and 14-09-2095

Introduction

This report summarizes the findings of the data validation of 94 water samples (including eight field duplicates), 15 trip blanks, and 18 equipment blanks. These samples were collected September 4-25, 2014 as part of the 2014 Groundwater (GW) Sampling Event at Del Amo Superfund Site. Eurofins/Calscience Laboratories in Garden Grove, California performed all analyzes. The samples are listed in Table 1 included at the end of this document. The data were reviewed in accordance with URS Standard Operating Procedures, and the principles presented in *USEPA National Functional Guidelines For Inorganics Superfund Data Review (*EPA, 2010, 2014*)*, and *USEPA National Functional Guidelines for Superfund Organic Methods Data Review* (EPA, 2008, 2014).

Overall Assessment

The data reported in these packages, as qualified, are considered to be usable for meeting project objectives. All results are considered to be valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%. Additionally, because all samples in this data set were collected and analyzed under similar prescribed conditions, the data within this set are considered to be comparable.

1.0 Data Review Narratives

Ninety-four (94) water samples, and 18 equipment blanks were collectively analyzed for volatile organic compounds (VOCs; EPA method 8260B), methane (RSK-175M), alkalinity (Standard method; SM 2320B), nitrate, sulfate (EPA method 300.0), ferrous iron (SM 3500-FeB), carbon dioxide (SM 4500-CO2D), manganese (EPA method 6010B); and one water sample was analyzed for gasoline range organics (GRO; EPA method 8015B modified). In addition, 15 trip blanks were analyzed for VOCs (EPA method 8260B). The laboratory data were reviewed to evaluate compliance with these methods and the quality of the data reported (EPA Superfund Stage 2A/2B validation). Full validation including recalculation (EPA Superfund Stage 4A validation) was performed on more than 10% of the laboratory data. The following summarizes the results of this review.

The areas of review are listed below. A check mark (✓) indicates an area of review in which all data were acceptable. A crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Data Completeness
- ⊗ Holding Times and Preservation

⊗ Calibrations (Full Validation)
✓ Internal Standards (Full Validation)
✓ GC/MS Instrument Performance Check Samples (Full Validation)
⊗ Interference Check Samples; ICS (Full Validation)
⊗ Blanks
✓ System Monitoring Compounds (Surrogates)
✓ Laboratory Control Samples (LCS)
⊗ Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
✓ Field Duplicates
✓ Laboratory Duplicates
✓ Analyte Identification and Quantitation

1.1 Data Completeness

All analyses were performed as requested on the chain-of-custody records (COCs). The laboratory reported all requested analyses and the deliverable data reports were complete.

1.2 Holding Times and Preservation

All analyses were performed within the method-specified holding times with the exception listed in the following table. In addition, all samples were collected and preserved appropriately.

Method	Sample	Analyte	Date Sampled	Date Prepared	Date Analyzed	Qualifier
EPA 300.0	**GWS2441**	Nitrate	9/8/14	9/10/14	9/10/14	**J**
Note: Initial analysis was within holding time. However, due to required dilution, sample was re-analyzed outside of holding time.						

1.3 Calibration (Full Validation)

1.3.1 Initial Calibration (IC)

Appropriate initial calibrations were performed for each analyte for each method. Compliance requirements for each method were met and did not require data qualification with the following exception.

Method/ IC Date	Analyte	Qualified Sample(s)	Qualifier
EPA 8260B 8/30/14	trans-1,3-Dichloropropene	**GWS2432, GWS2457, GWS2489 GWS2459, GWS2436, GWS2408 GWS2458, GWS2472, GWS2446 GWS2468, GWS2443, GWS2471**	**UJ/J**

1.3.2 Initial Calibration Verification, Continuing Calibration Verification (ICV, CCV)

The acceptance criteria for all ICVs and CCVs were met or did not require qualification with the following exception.

Method / CCV Date	Analyte	Qualified Sample(s)	Qualifier
EPA 8260B 9/5/14	Bromomethane	**GWS2432, GWS2457, GWS2489 GWS2459, GWS2436, GWS2408 GWS2458, GWS2472, GWS2446 GWS2468, GWS2443, GWS2471**	**UJ/J**

1.3.3 Initial Calibration Blanks, Continuing Calibration Blanks (ICB, CCB)

Manganese was not detected in the ICBs and CCBs.

1.4 Internal Standards (Full Validation)

All internal standard retention times were within ±30 seconds of the associated continuing calibration internal standard retention time. All internal standard area counts were within the acceptance criteria (>50% and <200%) of the associated continuing calibrations internal standard area counts.

1.5 GC/MS Instrument Performance Check Samples (Full Validation)

Compliance requirements for instrument performance check samples were met for EPA 8260B.

1.6 Interference Check Samples; ICS (Full Validation)

ICSs were analyzed at the proper frequency and location during the analytical runs for the manganese analyses. All ICS results met acceptance criteria with the following exception. For samples **GWS2436** and **GWS2414**, ICS A value was above acceptance criteria. Consequently, the results for manganese for these samples were qualified as estimated (J+).

1.7 Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed. Target analytes were either not detected in the associated method blanks, trip blanks, and equipment blanks or did not require data qualification with the following exceptions.

Method	Blank	Analyte	Concentration	Qualified Samples	Qualifier
RSK-175M	**FBS2045**	Methane	0.073 ug/L	**GWW2452**	**U**
	FBS2041	Methane	0.069 ug/L	**GWS2438**	
	FBS2042	Methane	0.064 ug/L	**GWS2441**	
	FBS2060	Methane	0.40 ug/L	**GWS2462**	
	FBS2061	Methane	0.078 ug/L	**GWS2416**	
EPA 8260B	**FBS2061**	Benzene	0.21 ug/L	**GWS2434, GWS2496**	
Note: FBS = Equipment Blank					

1.8 System Monitoring Compounds (Surrogates)

Appropriate numbers of surrogate compounds were spiked into each sample for the EPA 8260B, and 8015B analyses. All surrogate compound recoveries were within the laboratory's statistically determined acceptance ranges.

1.9 Laboratory Control Samples (LCS)

LCSs were prepared and analyzed at the proper frequency for each analysis. All LCS and LCS duplicate (LCSD) recoveries reported and relative percent differences (RPDs) between the results (for applicable analytical batches) were within the laboratory's statistically determined acceptance ranges. These LCS results indicate that the level of accuracy demonstrated by the analytical method with respect to a clean sample matrix is acceptable.

1.10 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Several project samples were utilized for the MS/MSD analyses. The average recoveries of all MS/MSDs reported and the RPDs between the results were either within the laboratory's statistically determined acceptance ranges or did not require qualification with the following exceptions.

Method	Sample	Analyte	Average Recovery	RPD	Qualified Samples	Qualifier
EPA 8260B	**GWS2484**	Trichloroethene	55%*	3	**GWS2484, GWS2488, GWS2414 GWS2482, GWS2452**	**UJ/J**
EPA 6010B	**GWS2445**	Manganese	84.5%*	5	**GWS2466, GWS2498 GWS2454, GWS2445, GWS2415**	
Notes: * Outlier						

1.11 Field Duplicates

The following samples were submitted to the laboratory as field duplicate pairs.

Primary Sample	Field Duplicate
GWS2473	GWS2501
GWS2494	GWS2425
GWS2435	GWS2497
GWS2466	GWS2498
GWS2426	GWS2495
GWS2485	GWS2499
GWS2450	GWS2500
GWS2412	GWS2493

Acceptable field and analytical precision was demonstrated for all analytes for all field duplicate pairs.

1.12 Laboratory Duplicates

Acceptable analytical precision was demonstrated for all laboratory duplicate analyses.

1.13 Target Analyte Identification and Quantitation (Full Validation)

All analytes reported and the reporting limits obtained comply with project specifications. All dilutions were appropriate. In addition, this data review process included result recalculation and transcription error checking from the raw data for more than 10% of the data. All results checked were confirmed.

Table 1
Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
GWS2432	14-09-0299	14-09-0299-1	9/4/14	EPA 8260B
GWS2457	14-09-0299	14-09-0299-2	9/4/14	EPA 8260B
GWS2489	14-09-0299	14-09-0299-3	9/4/14	EPA 8260B
GWS2459	14-09-0299	14-09-0299-4	9/4/14	EPA 8260B
GWS2436	14-09-0299	14-09-0299-5	9/4/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2408	14-09-0299	14-09-0299-6	9/4/14	EPA 8260B
FBS2023 (Trip Blank)	14-09-0299	14-09-0299-7	9/4/14	EPA 8260B
FBS2038 (Equipment Blank)	14-09-0299	14-09-0299-8	9/4/14	EPA 8260B
FBS2022 (Trip Blank)	14-09-0318	14-09-0318-1	9/4/14	EPA 8260B
GWS2458	14-09-0318	14-09-0318-2	9/4/14	EPA 8260B
GWS2472	14-09-0318	14-09-0318-3	9/4/14	EPA 8260B
GWS2446	14-09-0318	14-09-0318-4	9/4/14	EPA 8260B
GWS2468	14-09-0318	14-09-0318-5	9/4/14	EPA 8260B
GWS2443	14-09-0318	14-09-0318-6	9/4/14	EPA 8260B
GWS2471	14-09-0318	14-09-0318-7	9/4/14	EPA 8260B
FBS2037 (Equipment Blank)	14-09-0318	14-09-0318-8	9/4/14	EPA 8260B
FBS2025 (Trip Blank)	14-09-0438	14-09-0438-1	9/5/14	EPA 8260B
GWS2479	14-09-0438	14-09-0438-2	9/5/14	EPA 8260B
GWS2467	14-09-0438	14-09-0438-3	9/5/14	EPA 8260B
GWS2470	14-09-0438	14-09-0438-4	9/5/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2473	14-09-0438	14-09-0438-5	9/5/14	EPA 8260B
GWS2501 (Field Duplicate of GWS2473)	14-09-0438	14-09-0438-6	9/5/14	EPA 8260B
GWS2428	14-09-0438	14-09-0438-7	9/5/14	EPA 8260B
FBS2040 (Equipment Blank)	14-09-0438	14-09-0438-8	9/5/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2024 (Trip Blank)	14-09-0439	14-09-0439-1	9/5/14	EPA 8260B
GWS2484	14-09-0439	14-09-0439-2	9/5/14	EPA 8260B
GWS2488	14-09-0439	14-09-0439-3	9/5/14	EPA 8260B
GWS2414	14-09-0439	14-09-0439-4	9/5/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2045 (Equipment Blank)	14-09-0439	14-09-0439-5	9/5/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2039 (Equipment Blank)	14-09-0439	14-09-0439-6	9/5/14	EPA 8260B
GWS2482	14-09-0439	14-09-0439-7	9/5/14	EPA 8260B
GWS2452	14-09-0439	14-09-0439-8	9/5/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2027 (Trip Blank)	14-09-0538	14-09-0538-1	9/8/14	EPA 8260B

Table 1
Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
GWS2409	14-09-0538	14-09-0538-2	9/8/14	EPA 8260B
GWS2410	14-09-0538	14-09-0538-3	9/8/14	EPA 8260B
GWS2421	14-09-0538	14-09-0538-4	9/8/14	EPA 8260B
GWS2422	14-09-0538	14-09-0538-5	9/8/14	EPA 8260B
GWS2438	14-09-0538	14-09-0538-6	9/8/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2430	14-09-0538	14-09-0538-7	9/8/14	EPA 8260B
FBS2046 (Equipment Blank)	14-09-0538	14-09-0538-8	9/8/14	EPA 8260B
FBS2041 (Equipment Blank)	14-09-0538	14-09-0538-9	9/8/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2026 (Trip Blank)	14-09-0539	15-09-0539-1	9/8/14	EPA 8260B
GWS2429	14-09-0539	15-09-0539-2	9/8/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2453	14-09-0539	15-09-0539-3	9/8/14	EPA 8260B
GWS2494	14-09-0539	15-09-0539-4	9/8/14	EPA 8260B
GWS2425 (Field Duplicate of GWS2494)	14-09-0539	15-09-0539-5	9/8/14	EPA 8260B
GWS2437	14-09-0539	15-09-0539-6	9/8/14	EPA 8260B
GWS2441	14-09-0539	15-09-0539-7	9/8/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2481	14-09-0539	15-09-0539-8	9/8/14	EPA 8260B
GWS2423	14-09-0539	15-09-0539-9	9/8/14	EPA 8260B
FBS2042 (Equipment Blank)	14-09-0539	15-09-0539-10	9/8/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2028 (Trip Blank)	14-09-0656	14-09-0656-1	9/9/14	EPA 8260B
GWS2502	14-09-0656	14-09-0656-2	9/9/14	EPA 8260B
GWS2460	14-09-0656	14-09-0656-3	9/9/14	EPA 8260B
GWS2476	14-09-0656	14-09-0656-4	9/9/14	EPA 8260B
GWS2480	14-09-0656	14-09-0656-5	9/9/14	EPA 8260B
GWS2483	14-09-0656	14-09-0656-6	9/9/14	EPA 8260B
GWS2492	14-09-0656	14-09-0656-7	9/9/14	EPA 8260B
FBS2044 (Equipment Blank)	14-09-0656	14-09-0656-8	9/9/14	EPA 8260B
FBS2029 (Trip Blank)	14-09-0657	14-09-0657-1	9/9/14	EPA 8260B
GWS2442	14-09-0657	14-09-0657-2	9/9/14	EPA 8260B
GWS2439	14-09-0657	14-09-0657-3	9/9/14	EPA 8260B
GWS2474	14-09-0657	14-09-0657-4	9/9/14	EPA 8260B
GWS2435	14-09-0657	14-09-0657-5	9/9/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2497 (Field Duplicate of GWS2435)	14-09-0657	14-09-0657-6	9/9/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2449	14-09-0657	14-09-0657-7	9/9/14	EPA 8260B
GWS2431	14-09-0657	14-09-0657-8	9/9/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB

Table 1
Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
FBS2043 (Equipment Blank)	14-09-0657	14-09-0657-9	9/9/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2031 (Trip Blank)	14-09-0756	14-09-0756-1	9/10/14	EPA 8260B
GWS2486	14-09-0756	14-09-0756-2	9/10/14	EPA 8260B
GWS2440	14-09-0756	14-09-0756-3	9/10/14	EPA 8260B
GWS2418	14-09-0756	14-09-0756-4	9/10/14	EPA 8260B
GWS2455	14-09-0756	14-09-0756-5	9/10/14	EPA 8260B
GWS2478	14-09-0756	14-09-0756-6	9/10/14	EPA 8260B
GWS2448	14-09-0756	14-09-0756-7	9/10/14	EPA 8260B
GWS2487	14-09-0756	14-09-0756-8	9/10/14	EPA 8260B
FBS2048 (trip Blank)	14-09-0756	14-09-0756-9	9/10/14	EPA 8260B
FBS2049 (Equipment Blank)	14-09-0756	14-09-0756-10	9/10/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2030 (Trip Blank)	14-09-0757	14-09-0757-1	9/10/14	EPA 8260B
GWS2469	14-09-0757	14-09-0757-2	9/10/14	EPA 8260B
GWS2424	14-09-0757	14-09-0757-3	9/10/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2444	14-09-0757	14-09-0757-4	9/10/14	EPA 8260B
GWS2417	14-09-0757	14-09-0757-5	9/10/14	EPA 8260B
GWS2411	14-09-0757	14-09-0757-6	9/10/14	EPA 8260B
GWS2491	14-09-0757	14-09-0757-7	9/10/14	EPA 8260B
FBS2047 (Equipment Blank)	14-09-0757	14-09-0757-8	9/10/14	EPA 8260B
FBS2033 (Trip Blank)	14-09-0919	14-09-0919-1	9/11/14	EPA 8260B
GWS2451	14-09-0919	14-09-0919-2	9/11/14	EPA 8260B
GWS2413	14-09-0919	14-09-0919-3	9/11/14	EPA 8260B
GWS2463	14-09-0919	14-09-0919-4	9/11/14	EPA 8260B
GWS2466	14-09-0919	14-09-0919-5	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2498 (Field Duplicate of GWS2466)	14-09-0919	14-09-0919-6	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2426	14-09-0919	14-09-0919-7	9/11/14	EPA 8260B
GWS2495 (Field Duplicate of GWS2426)	14-09-0919	14-09-0919-8	9/11/14	EPA 8260B
GWS2420	14-09-0919	14-09-0919-9	9/11/14	EPA 8260B
FBS2050 (Equipment Blank)	14-09-0919	14-09-0919-10	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2032 (Trip Blank)	14-09-0920	14-09-0920-1	9/11/14	EPA 8260B
GWS2454	14-09-0920	14-09-0920-2	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2485	14-09-0920	14-09-0920-3	9/11/14	EPA 8260B
GWS2499 (Field Duplicate of GWS2485)	14-09-0920	14-09-0920-4	9/11/14	EPA 8260B

Table 1
Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
GWS2445	14-09-0920	14-09-0920-5	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2447	14-09-0920	14-09-0920-6	9/11/14	EPA 8260B
GWS2415	14-09-0920	14-09-0920-7	9/11/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2450	14-09-0920	14-09-0920-8	9/11/14	EPA 8260B
GWS2500 (Field Duplicate of GWS2450)	14-09-0920	14-09-0920-9	9/11/14	EPA 8260B
FBS2051 (Equipment Blank)	14-09-0920	14-09-0920-10	9/11/14	EPA 8260B
FBS2036 (Trip Blank)	14-09-1056	14-09-1056-1	9/12/14	EPA 8260B
GWS2427	14-09-1056	14-09-1056-2	9/12/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2052 (Equipment Blank)	14-09-1056	14-09-1056-3	9/12/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2034 (Trip Blank)	14-09-2079	14-09-2079-1	9/25/14	EPA 8260B
GWS2433	14-09-2079	14-09-2079-2	9/25/14	EPA 8260B
GWS2462	14-09-2079	14-09-2079-3	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2490	14-09-2079	14-09-2079-4	9/25/14	EPA 8260B
GWS2477	14-09-2079	14-09-2079-5	9/25/14	EPA 8260B
GWS2456	14-09-2079	14-09-2079-6	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2475	14-09-2079	14-09-2079-7	9/25/14	EPA 8260B
FBS2060 (Equipment Blank)	14-09-2079	14-09-2079-8	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2035 (Trip Blank)	14-09-2095	14-09-2095-1	9/25/14	EPA 8260B
GWS2412	14-09-2095	14-09-2095-2	9/25/14	EPA 8260B
GWS2493 (Field Duplicate of GWS2412)	14-09-2095	14-09-2095-3	9/25/14	EPA 8260B
GWS2416	14-09-2095	14-09-2095-4	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2464	14-09-2095	14-09-2095-5	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
GWS2434	14-09-2095	14-09-2095-6	9/25/14	EPA 8260B
GWS2496	14-09-2095	14-09-2095-7	9/25/14	EPA 8260B
GWS2465	14-09-2095	14-09-2095-8	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
FBS2061 (Equipment Blank)	14-09-2095	14-09-2095-9	9/25/14	EPA 8260B, 6010B, 300.0; RSK-175M SM 4500-CO2D, 2320B, 3500-FeB
IWS0278	14-09-2095	14-09-2095-10	9/25/14	EPA 8260B

SDG:	Sample Delivery Group		
EPA 8260B:	Volatile Organic Compounds (VOCs)	EPA 6010B:	Manganese
EPA 300.0:	Nitrate, Sulfate	EPA 8015B:	Gasoline Range Organics
RSK-175M:	Methane	SM 3500-FeB:	Ferrous Iron
SM4500-CO2D:	Carbon Dioxide	SM 2320:	Alkalinity

ATTACHMENT A
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by URS Data Review Team

DATA QUALIFIER DEFINITIONS FOR ORGANIC ANALYES

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

DATA QUALIFIER DEFINITIONS FOR INORGANIC ANALYSES

U The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

URS DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS

a Analytical sequence deficiency or omission.
b Gross compound breakdown (4,4'-DDT/Endrin).
c Calibration failure; poor or unstable response.
d Laboratory duplicate imprecision.
e Laboratory duplicate control sample imprecision.
f Field duplicate imprecision.
g Poor chromatography.
h Holding time violation.
i Internal standard failure.
j Poor mass spectrographic performance.
k Serial dilution imprecision.
l Laboratory control sample recovery failure.
m Matrix spike/matrix spike duplicate recovery failure.
n Interference check sample recovery failure.
o Calibration blank contamination (metals/inorganics only).
p Preparation blank contamination (metals/inorganics only).
q Quantitation outside linear range.
r Linearity failure in initial calibration.
s Surrogate spike recovery failure (GC organics and GC/MS organics only).
t Instrument tuning failure.
u No valid confirmation column (GC Organics only).
v Value is estimated below the MDA (Rads only).
w Retention time (RT) outside of RT window.
x Field blank contamination.
y Trip blank contamination.
z Method blank contamination.

INTERPRETATION KEY

The following example shows how an analytical result which includes qualifiers assigned by both the URS data review team and the analytical laboratory could be displayed in the data tables:

<5.20 Uz | JB

The qualifier assigned by the URS data review team precedes the "|"; the qualifier assigned by the laboratory follows it. In this example, the result is qualified as a non-detection data to the bias introduced by contamination of the associated method blank. Presence of the analyte in the method blank is indicated by the laboratory qualifier (B). The qualifier assigned by the URS data review team (Uz) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.