September 27, 2019

Alyx Karpowicz, P.G.
Groundwater Protection Division
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Subject: **Semi-annual Post-Remediation Monitoring Report**
Former VWR Facility
3745 Bayshore Boulevard (Parcel A)
Brisbane, California 94005

Dear Alyx,

EHS Support LLC ("EHS Support") is providing this *Semi-annual Post-Remediation Monitoring Report* (Report) to Univar USA Inc. ("Univar") and VWR International LLC ("VWR") for the property located at 3745 Bayshore Boulevard in Brisbane, California (Parcel A). Parcel A is adjacent to the property located at 3775 Bayshore Boulevard (Parcel B). Collectively, Parcel A and Parcel B are referred to as the "Site" or "Property" as shown on **Figures 1** and **2**. This report covers the semi-annual monitoring event conducted at Parcel A in January 2019.

Background

Univar/VWR has performed environmental investigation activities at the Site since 2013 with regulatory oversight provided by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). Environmental investigations at Parcel A have focused on assessment of soil, soil vapor, groundwater, and indoor air conditions in the vicinity of the former VWR Chemical Handling Room, which consisted of three smaller rooms identified as the Chemist Room, Safe Storage Room, and Chemical Repack Room (**Figure 3**). Metals (associated with artificial fill and not associated with historical operations), petroleum hydrocarbons, and chlorinated volatile organic compounds (CVOCs) were identified in the subsurface beneath the former Chemical Handling Room. Previous environmental investigation results from activities conducted at Parcel A are summarized in the *Draft On-site Remedial Investigation Data Summary Report* (ERM, 2015).

Following site investigation, remedial action activities were completed from March to September 2016. As detailed in the *Final Parcel A Remedial Design and Implementation Plan* (RDIP) (ERM, 2016), remedial action included soil source removal (excavation) and in-situ chemical reduction (ISCR) for impacted soil, soil vapor, and groundwater within the Parcel A target remediation area (TRA). The TRA was defined as the area containing soil, subslab soil vapor, and/or groundwater concentrations (predominantly CVOCs and/or total petroleum hydrocarbons [TPH]) above risk based cleanup levels (RBCLs) (**Figure 3**). RBCLs were developed for Parcel A based on protection of human health and the environment, which include protection of the potential future beneficial uses of site resources (e.g., groundwater). Implementation of the remedial actions was subsequently documented in the *Final Parcel A Remedial Action Implementation Report* (RAIR) (ERM, 2017).

A post-remediation monitoring program described in the RDIP includes monitoring subslab soil vapor, groundwater, and indoor air to determine whether conditions meet the RBCLs (ERM, 2016). Subslab vapor, soil vapor, groundwater, and indoor air are to be monitored semi-annually for a period of at least 3 years with analytical results documented in semi-annual monitoring reports and submitted to the RWQCB. Should conditions meet RBCLs at the end of the 3-year monitoring period, then the remediation at Parcel A would be deemed complete and site closure will be requested. If RBCLs are not attained at the end of the 3-year monitoring program, additional monitoring or remedial options may be recommended. As described in the RAIR, a baseline groundwater sampling event was conducted prior to remediation in March 2016. The first post-remediation semi-annual monitoring event was conducted in December 2016.

The work scope and schedule for the post-remediation monitoring program as summarized in the RDIP are included in **Table 1**. A summary of the Parcel A property description and environmental setting is included as **Attachment A**.

Purpose and Objective

The purpose of this Report is to summarize procedures, results, conclusions, and recommendations of semi-annual post-remediation monitoring conducted to identify constituent concentrations in excess of specified RBCLs. The objective of the post-remediation monitoring is to obtain sufficient data to either confirm completion of remediation for Parcel A or assess whether contingency measures may be warranted if the RBCLs are not attained following the initial planned 3-year monitoring period.

Field Activities

Indoor and Outdoor Air Sampling

On January 22, 2019, EHS Support conducted indoor and outdoor air sampling. EHS Support collected one indoor air sample (IA-01A) from inside the former Chemical Handling Room and one outdoor air sample (OA-01A) outside and northeast of the building. The sample locations are shown on **Figure 3**. In addition to the primary samples, one duplicate sample was collected at the indoor air sample location. Field activities were conducted in accordance with California Environmental Protection Agency, *Department of Toxic Substances Control (DTSC) Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (*DTSC Vapor Intrusion Guidance*; DTSC, 2011), and consistent with previously conducted air sampling assessments conducted by ERM.

In accordance with the *DTSC Vapor Intrusion Guidance*, a pre-sampling site inspection and materials inventory was conducted on January 22, 2019 within the Parcel A building prior to sampling. The pre-sampling inspection and materials inventory did not indicate any materials were present in the Parcel A building that would impact sampling and that the concrete slab was in good condition. The Building Survey Form is included as **Attachment B**.

Samples were collected in 6-liter SUMMA® canisters equipped with dedicated flow controllers that were pre-set by the laboratory to collect the air samples over the 8-hour sampling period. Prior to sampling, the SUMMA canisters were checked and verified to have sufficient vacuum for the test. The sampling

devices were placed in the breathing zone, approximately 3 to 5 feet off the ground surface. As per the *DTSC Vapor Intrusion Guidance*, the heating, ventilation, and air conditioning (HVAC) systems were operated normally for the season and time of day. The weather conditions during the sampling event were monitored and deemed acceptable per the sampling guidance. The wind was variable, but generally blowing from the east to northeast. A copy of the hourly weather conditions is included with the sampling logs in **Attachment B**.

The sample collection was implemented by opening the SUMMA canister flow controller and leaving the sampling device for an 8-hour period. Upon completion of the 8-hour test period, the flow controller valve on the canisters were closed and the canisters were labeled with the sample name, location, time and date of sample collection, analytical method, and flow controller serial number. Applicable sampling information for each sampling location was recorded on air sampling logs (**Attachment B**).

Samples were submitted to Eurofins CalScience, a California-certified laboratory, and analyzed for a standard list of volatile organic compounds (VOCs) plus naphthalene by United States Environmental Protection Agency (USEPA) Method TO-15 and TPH as gasoline by USEPA Method TO-3. Select constituents were analyzed using USEPA Method TO-15 selective ion monitoring (SIM) to ensure the reporting limits were below the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) for commercial/industrial indoor workers or the applicable RBCLs.

Subslab Vapor and Soil Vapor Sampling

On January 23, 2019, samples were collected from three subslab vapor locations (SSV-01A, SSV-02A, and SSV-08A) and a duplicate was collected from SSV-01A. SSV-08A was not originally part of the semi-annual monitoring program but was included to monitor soil vapor conditions adjacent to groundwater monitoring well MW-03. Samples were collected from three soil vapor sample probes (SVP-01A through SVP-03A). All subslab and soil vapor probes are located inside the former Chemical Handling Room (except for SSV-08A) (**Figure 3**) and samples were collected in accordance with the *DTSC Vapor Intrusion Guidance* (DTSC, 2011) and the *Advisory, Active Soil Gas Investigations* (DTSC, 2015). Applicable purging and sampling information for each sampling location was recorded on the Soil Vapor Sampling Data Sheets provided as **Attachment C.** Subslab vapor and soil vapor probe construction details are summarized in **Table 2.**

Subslab vapor and soil vapor samples were collected using 1-liter Summa-passivated canisters and soil gas manifolds equipped with 200 milliliters per minute flow restrictor. Before purging and sampling, a shut-in test was performed to check for leaks in the above-ground sampling train. No leaks in the sampling trains were observed. Leak testing was performed at each location using a helium tracer gas, where a shroud covering the sample probes and sampling train was injected with helium such that average concentrations were maintained at approximately 30 percent helium. The subslab and soil vapor samples were submitted to Eurofins CalScience and analyzed for VOCs plus 1,4-dioxane by modified USEPA Method TO-15, and for helium by ASTM D-1946.

Groundwater Sampling

On January 23, 2019, groundwater samples were collected from seven monitoring wells (MW-01 through MW-07) and a duplicate was collected from MW-03. The groundwater monitoring well

locations are shown on **Figure 3** and construction details are provided in **Table 2**. Prior to sampling, the monitoring wells were gauged using an electronic water level meter to measure water levels and total wells depths. The measurements were recorded on field forms, which are provided as **Attachment D**. All monitoring wells were purged and sampled via low-flow procedures provided in "Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures" (Puls and Barcelona, USEPA, 1996).

Water quality parameters were collected during low-flow purging and samples were collected directly from the pump tubing within laboratory-supplied glassware, properly preserved and labeled, placed directly on ice, and shipped under chain of custody (COC) to Eurofins CalScience. Groundwater samples were collected and analyzed for the following analytes at all well locations:

- Total petroleum hydrocarbon as gasoline-range organics (TPH-GRO) by USEPA Method 8015B
- Total extractable petroleum hydrocarbon as diesel-range organics (TPH-DRO) and oil-range organics (TPH-ORO) by USEPA Method 8015B with and without silica cleanup gel
- VOCs by USEPA Method 5035/8260B
- 1,4-Dioxane by USEPA Method 8260B SIM
- Dissolved iron, calcium, magnesium, and manganese by USEPA Method 6010B
- Total calcium, magnesium, and manganese by USEPA Method 6010B
- Total iron by USEPA Method 200.7
- Total organic carbon by Method SM 5310C
- Anions chloride, sulfate, nitrate, and nitrite by USEPA Method 300
- Dissolved gases (ethane, ethene, and methane) by Method RSK 175

General water quality parameters including pH, temperature, electrical conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity were recorded during purging using a multi-parameter water quality meter and flow-through cell.

Investigation-Derived Waste

No investigation-derived waste (IDW) was generated during the indoor air, subslab vapor, or soil vapor sampling activities. Approximately 6 gallons of purge groundwater were generated during the groundwater sampling activities. The wastewater was characterized and disposed of in accordance with applicable state and federal regulations.

Summary of Monitoring Results

A summary of the indoor air, subslab vapor, soil vapor, and groundwater sampling results is discussed below and compared to the pre-remediation monitoring results from March 2016. Sample analytical reports are included as **Attachment E**.

Indoor and Outdoor Air Sampling Results

Indoor and outdoor air sampling results are summarized in **Table 3**. Benzene was reported above the RBCL (0.42 micrograms per cubic meter [$\mu g/m^3$]) in the primary indoor air (IA-01A) sample (0.52 J $\mu g/m^3$), below the RBCL in the duplicate indoor air sample (0.27 J $\mu g/m^3$), and below the RBCL based on the average concentration of the primary and duplicate samples (0.40 $\mu g/m^3$). Benzene was also

reported in the outdoor air sample at a concentration of 0.19 µg/m^3. The average benzene concentrations for indoor and outdoor air from these sampling locations based on data collected from 2014 to 2019 are below the RBCL (0.38 µg/m^3 at both locations). Consistent with previous Semi-annual Post-Remediation Monitoring Reports, the indoor air results are not attributed to vapor intrusion as benzene was reported in outdoor air. No other constituents were detected above RBCLs during the January 2019 sampling event at IA-01A or OA-01A.

Subslab Vapor Results

The subslab vapor results are summarized in **Table 4.** There were no VOC detections in subslab vapor above the subslab RBCLs in the January 2019 from locations SSV-01A, SSV-02A, or SSV-08A. Helium was used as a tracer gas during the sampling process and was detected above the laboratory reporting limit in one sample (SSV-01A). In accordance with DTSC 2015 Guidance, an ambient air leak of up to 5 percent is acceptable when performing a quantitative tracer test. The concentration of helium in the shroud is maintained above 30 percent by volume; therefore, 5 percent of 30 percent (in the shroud) is 1.5 percent by volume and is acceptable to be detected in the subslab probes. The concentration of leak compound detected in samples SSV-01A was 0.0101 percent and was less than 5 percent of the total gas in the shroud.

Soil Vapor Results

The soil vapor results are summarized in **Table 4**. RBCLs have not been established for deeper soil vapor, however the results are compared to subslab RBCLs and previous results to assess concentration trends at each of the three vapor probe locations.

VOCs detected in deeper soil vapor above subslab RBCLs were identified in samples from SVP-01A and SVP-03A, but are lower than concentrations detected during baseline sampling in December 2016. Vapor probes with constituents identified above subslab RBCLs included the following:

- SVP-01A tetrachloroethene (PCE), trichloroethene (TCE)
- SVP-03A PCE, TCE, and vinyl chloride

Like subslab vapor sampling, helium was used as a tracer gas during the deeper soil vapor sampling process and helium concentrations were within acceptable tolerances. Helium tracer gas analytical results are summarized in **Table 4**.

Groundwater Results

- <u>Groundwater Elevations and Flow Direction:</u>
  Water level and groundwater elevation data are presented in **Table 5**. Groundwater elevations ranged from 6.8 feet above mean sea level (msl) (MW-05) to 8.57 feet msl (MW-01) with an overall average gradient of approximately 0.018 foot/foot (ft/ft). Groundwater elevations observed in January 2019 indicate that the hydraulic gradient is toward the east in the direction of Brisbane Lagoon, similar to the previous monitoring events. The groundwater potentiometric surface map depicting the January 2019 elevations and flow are shown on **Figure 4**.

- General Water Quality and Natural Attenuation Parameters:
  General water quality and natural attenuation parameters are presented in **Table 6**. The table has been divided into groupings of terminal electron acceptors used to evaluate whether the aquifer has achieved reducing conditions, biotic pathway indicators used to determine whether reductive dechlorination is occurring or is capable of occurring (evaluates the electron donor injection), and abiotic pathway indicators used to determine whether the abiotic dechlorination pathway is occurring (evaluates the zero-valent iron [ZVI] injection). It should be noted that the pre-remediation conditions are quantified by the March 2016 groundwater sampling event. MW-3 was not installed until after remediation and was first sampled in December 2016. General water quality data results are summarized below:
  - Terminal Electron Acceptors:
    - DO was measured at concentrations less than 1 mg/L, which is indicative of reducing conditions, at all wells with the exception of downgradient well MW-5.
    - Nitrate was depleted (not detected at or above laboratory reporting limits) in all wells with the exception of downgradient well MW-5 located outside the TRA. Nitrate reduction is an indicator of reducing conditions in groundwater.
    - Dissolved manganese concentrations are increased from baseline monitoring in all wells with the exception of downgradient well MW-5. Dissolved manganese is an indicator of reducing conditions in groundwater.
    - Total iron and dissolved iron concentrations are increased following ISCR injections in all wells. Dissolved iron is an indicator of reducing conditions in groundwater.
    - Sulfate concentrations are reduced from baseline monitoring in upgradient wells MW-01 and MW-04, indicating that sulfate reduction has started in upgradient groundwater. All other wells are noted with similar or slightly decreased concentrations compared to baseline monitoring, except for TRA well MW-07. The ISCR plan was designed such that as sulfate reduction begins within the source area, sulfate and dissolved iron will precipitate iron sulfides on the soil matrix beyond the original injection area. Once reduced, iron sulfides will further promote abiotic degradation of chlorinated ethenes.
    - Methane was detected at increased concentrations compared to the baseline monitoring event in upgradient well MW-04. The source area wells detected methane at similar concentrations to baseline and/or the first groundwater monitoring event; however, methane has always been higher than background in this area. Downgradient well MW-05 reported low concentrations of methane. Elevated methane concentrations indicate that methanogenesis (i.e., the formation of methane) is occurring, a positive sign that biologically-mediated reductive dechlorination is occurring.
  - Biotic Pathway Indicators:
    - Total organic carbon (TOC) concentrations are increased compared to the baseline event in all wells except MW-06. TOC concentrations indicate an abundance of carbon as an energy source, which supports reductive dechlorination.
    - The pH was near neutral during the January 2019 event, ranging from 6.13 (MW-01) to 7.24 (MW-05) standard units, which means that conditions are favorable for reductive dechlorination.

        - ORP was negative in all wells with the exception of downgradient well MW-05. ORP was generally greater than +100 mV during the baseline event (March 2016) in all wells except MW-03, which was at -64 mV after ISCR activities. Conditions are favorable for reductive dechlorination.
        - The electrical conductivity of site groundwater ranged from 5,396 to 19,850 microSiemens per centimeter. Based on the elevated conductivity the aquifer is saline.
        - Ethane and/or ethene concentrations are detected at greater concentrations in samples from wells located in the vicinity of the TRA (MW-02, MW-03, MW-06, MW-07) as compared to wells at the perimeter of the TRA (MW-01, MW-04, and MW-05). Both ethane and ethene are non-toxic end products via complete reductive dechlorination of CVOCs.
    - Abiotic Pathway Indicators
        - Naturally occurring calcium and magnesium tend to precipitate out of groundwater following a ZVI injection due to the increase in pH. As the pH has remained near neutral (the injection mixture contained a pH buffer) a reduction in the calcium or magnesium has not been observed.
        - TCE is converted to ethene or chloride via the abiotic pathway. Chloride concentrations have not significantly increased since the baseline event. Given the high concentrations of chloride in the baseline samples due to the brackish groundwater system, it is likely that significant changes in concentration will not be observable.

- Chemical Water Quality Parameters (Petroleum Hydrocarbons):
  Petroleum hydrocarbons include TPH-GRO, TPH-DRO, TPH-ORO, benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents. These results are summarized in **Table 7**. Petroleum hydrocarbons were above the RBCLs in January 2019 samples from the following wells:
    - MW-03 (TPH-GRO, TPH-DRO, and BTEX)
    - MW-06 (benzene)
    - MW-07 (benzene)

  BTEX results are shown on **Figure 5**. Overall, petroleum hydrocarbon concentrations remained stable or decreased since the December 2016 event with the exception of benzene concentrations that were higher than the baseline event at MW-07 (note that MW-03 did not have a baseline event as the well was installed after the March 2016 monitoring event). Petroleum hydrocarbons did not exceed RBCLs in the January 2019 samples from MW-01, MW-02, MW-04, and MW-05.

- Chemical Water Quality Parameters (Chlorinated Ethenes):
  Chlorinated ethenes include PCE, TCE, cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-DCE, and vinyl chloride constituents. These results are summarized in **Table 7.** The distribution of PCE, TCE, cis-1,2-DCE, 1,1-DCE, and vinyl chloride in groundwater is shown on **Figure 6**. All of these chlorinated ethenes were detected above their respective RBCLs in the sample from MW-03 with the exception of PCE (detected at a concentration of 120 J µg/L that is equal to the RBCL and less than previous monitoring events). The TCE concentration trend in MW-3 has been

decreasing since January 2018. Concentrations of daughter products cis-1,2-DCE and vinyl chloride were greater than the December 2016 event and indicate the continued generation of daughter products via reductive dechlorination of parent products (PCE and/or TCE). The concentrations of chlorinated ethenes did not exceed the RBCL in any of the other wells, including the most downgradient well MW-5.

- Chemical Water Quality Parameters (Chlorinated Ethanes and 1,4-Dioxane)
  Chlorinated ethanes include 1,1,1-trichloroethane (TCA), 1,1-DCA, 1,2-DCA, and chloroethane constituents. The distribution of chlorinated ethanes and 1,4-dioxane in groundwater is shown on **Figure 7**. Chlorinated ethanes detected above their respective RBCLs were identified in samples from the following wells:
  - MW-03 (1,1-DCA, 1,2-DCA), and
  - MW-07 (chloroethane).

  The concentration trends of 1,1-DCA and 1,2-DCA at MW-03 have been decreasing since August 2017 and indicate the continued generation of these daughter products via reductive dechlorination of a parent product (e.g., 1,1,1-TCA). The concentrations of chlorinated ethanes did not exceed the RBCL in any other wells, including the most downgradient well MW-05. In addition, concentrations of 1,4-dioxane remained below the RBCL in all wells.
- Chemical Water Quality Parameters (Other VOCs)
  Other VOCs detected at concentrations above their respective RBCLs during the January 2019 sampling event were limited to acetone at MW-03, and chlorobenzene and 1,2-dichlorobenzene at MW-06.

Data Quality Assurance Review

A data usability review was conducted to review Quality Assurance/Quality Control (QA/QC) parameters and their overall effect on the data including sample custody, holding times, surrogate recoveries, method blanks, laboratory control spikes, calibration verification standards, field QA/QC samples, and reportable results. The data usability reviews, included as **Attachment F**, concluded the overall QC associated with results reported in this sample delivery group (SDG) is considered acceptable. Results reported in this SDG are considered usable for the intended purpose.

Findings and Conclusions

The following summary of findings and conclusions was developed based on the results from this semi-annual reporting period:

Indoor Air

- Indoor air sampling results were below RBCLs or attributed to ambient air quality (benzene); thus, there is no evidence of human health risk to workers inside the former Chemical Handling Room associated with subslab soil vapor.

Subslab Vapor

- Subslab vapor sampling results at the TRA were below RBCLs, consistent with previous results; thus, there is no evidence of unacceptable risk associated with subslab soil vapor air within the former Chemical Handling Room.

Soil Vapor

- Concentrations are lower than concentrations detected during baseline sampling in December 2016. Based on indoor air and subslab vapor results, soil vapor concentrations detected in samples from SVP-01A and SVP-03A do not pose a current human health exposure risk.

Groundwater Monitoring and Natural Attenuation Evaluation

- Groundwater elevations during the January 2019 event were similar to previous events. The overall groundwater gradient direction and magnitude were consistent with previous events.
- Groundwater is in an anaerobic state with geochemical conditions suitable for ongoing reductive dechlorination.
- Evidence that reductive dechlorination is occurring at the TRA is based on the generation of intermediate daughter products and degradation end products including ethane, ethene, and methane.
- Groundwater impacts noted above RBCLs were identified in the vicinity of the TRA within wells MW-03, MW-06, and MW-07. The locations of these wells are downgradient of the source area and TRA that were subject to ISCR activities. Concentrations of site-related chemicals remain below the RBCLs in the most downgradient well MW-5.

Activities for Next Reporting Period

Groundwater monitoring will continue on a semi-annual basis to observe concentration changes over time and to determine whether concentrations will decrease below the RBCLs. As specified in the RDIP, activities for the next semi-annual period include post-remediation groundwater, soil vapor, subslab vapor, and indoor air monitoring completed in July/August 2019. The results of this event will be compared to RBCLs and documented in the next semi-annual post-remediation monitoring report.

If you have any questions or comments regarding this submittal, please feel free to call me at 224-422-6261.

Sincerely,

PROFESSIONAL GEOLOGIST • GREGORY CHRISTOPHER WHITE No. 8415 Jun 30 2020 • STATE OF CALIFORNIA

PROFESSIONAL GEOLOGIST • TIMOTHY JAY DAVIS No. 9260 11/30/2020 • STATE OF CALIFORNIA

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References

Department of Toxic Substances Control (DTSC), California Environmental Protection Agency. (2011). *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (Vapor Intrusion Guidance). October.

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Tables

Table 1
Semi-annual Monitoring Program
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Media	Depth (ft bgs)	Analysis	Frequency[1]	Duration[1]
Indoor Air					
IA-01A	Indoor Air	-	Standard List of VOCs + 1,4-D by TO-15	Semi-annually	at least 3 years
OA-01A	Outdoor Air	-	Standard List of VOCs + 1,4-D by TO-15	Semi-annually	at least 3 years
Subslab Vapor					
SSV-01A	Subslab Vapor	1.5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
SSV-02A	Subslab Vapor	1.5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
SSV-08A	Subslab Vapor	1.5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
Soil Vapor					
SVP-01A	Soil Vapor	5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
SVP-02A	Soil Vapor	5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
SVP-03A	Soil Vapor	5	Standard List of VOCs + 1,4-D by TO-15 He by ASTM D-1946 (leak check compound)	Semi-annually	at least 3 years
Groundwater					
MW-1 to MW-07	Groundwater	Varies (5 to 17)	TVPH by 8150B TEPH by 8015B with and without SGC Standard List of VOCs by 8260B 1,4-D by 8270C-SIM General Water Quality Parameters[2] Suite of Geochemical Parameters[3]	Semi-annually	up to 3 years

Notes:

1,4-D = 1,4-dioxane
ASTM = ASTM International
ft bgs = feet below ground surface
He = Helium
IA = indoor air
OA = outdoor air
SGC = silica gel cleanup
SSV = subslab vapor
SVP = soil vapor probe
TEPH = total extractable petroleum hydrocarbons
TVPH = total volatile petroleum hydrocarbons
VOC = volatile organic compound

1) Source: Section 7.1 of the Final Remedial Design and Implementation Plan, dated March 2016.

2) General Water Quality Parameters include: temperature, pH, electrical conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity

3) Suite of Geochemical Parameter includes: dissolved (i.e., field filtered) iron, calcium, magnesium, and manganese by 6010B; total iron by 200.7, total organic carbon by SM5310C; anions (chloride, sulfate, and nitrate) by 300.0; dissolved gases (ethane, ethene, and methane) by RSK 175.

Table 2
Monitoring Well, Soil Vapor, and Subslab Probe Construction Details
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Well or Probe ID	Installation Date	Type of Monitor Location	Drilling Method	Borehole Diameter (inch)	Latitude	Longitude	TOC Elevation (ft msl)	Boring Depth (ft bgs)	Surface Completion	Casing Diameter (inch)	Screened Interval (ft bgs)	Screen Slot Size (inch)	Casing Material	Filter Pack (sand size)	Filter Pack Interval (ft bgs)	Transition Seal Material	Transition Seal Interval (ft bgs)	Grout Interval (ft bgs)	Well/Probe Depth (ft bgs)
MW-01	3/7/16	Groundwater	Hollow-Stem Auger	8	37.6785654	122.3921715	15.75	17	Flush Mount	2	7 - 17	0.020	SCH 40 PVC	#2/12	6 - 17	Bentonite Chips	4 - 6	1 - 4	17
MW-02	3/4/16	Groundwater	Hollow-Stem Auger	8	37.6785555	-122.3919235	15.54	17	Flush Mount	2	7 - 17	0.020	SCH 40 PVC	#2/12	6 - 17	Bentonite Chips	4 - 6	1 - 4	17
MW-03	6/17/16	Groundwater	Hollow-Stem Auger	8	37.6786535	-122.3919517	15.73	17	Flush Mount	2	7 - 17	0.020	SCH 40 PVC	#2/12	6 - 17	Bentonite Chips	4 - 6	1 - 4	17
MW-04	3/4/16	Groundwater	Hollow-Stem Auger	8	37.6787894	-122.3921772	15.60	17	Flush Mount	2	7 - 17	0.020	SCH 40 PVC	#2/12	6 - 17	Bentonite Chips	4 - 6	1 - 4	17
MW-05	3/8/16	Groundwater	Hollow-Stem Auger	8	37.6787152	-122.3918892	11.01	15	Flush Mount	2	5 - 15	0.020	SCH 40 PVC	#2/12	4 - 15	Bentonite Chips	2 - 4	1 - 2	15
MW-06	3/4/16	Groundwater	Hollow-Stem Auger	8	37.6787189	-122.3919607	14.95	16	Flush Mount	2	6 - 16	0.020	SCH 40 PVC	#2/12	5 - 16	Bentonite Chips	3 - 5	1 - 3	16
MW-07	3/8/16	Groundwater	Hollow-Stem Auger	8	37.6786191	-122.3919336	15.79	17	Flush Mount	2	7 - 17	0.020	SCH 40 PVC	#2/12	6 - 17	Bentonite Chips	4 - 6	1 - 4	17
SVP-01A	6/17/16	Soil Vapor	Hand Auger	3	37.6786147	-122.3921285	NA	5.5	Flush Mount	0.25	4.5-5	NA	Stainless Steel	#2/16	4-5.5	Bentonite	NA	1-2.5	5
SVP-02A	6/10/16	Soil Vapor	Hand Auger	3	37.6787148	-122.3919582	NA	5.4	Flush Mount	0.25	4.5-5	NA	Stainless Steel	#2/16	4-5.4	Bentonite	NA	1-2.5	5
SVP-03A	6/10/16	Soil Vapor	Hand Auger	3	37.6786578	-122.3919787	NA	5.75	Flush Mount	0.25	4.75-5.25	NA	Stainless Steel	#2/16	4-5.75	Bentonite	NA	1-2.5	5.25
SSV-01A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6787390	-122.3921087	NA	1.9	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	1.9
SSV-02A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6787088	-122.3919842	NA	1.2	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	1.2
SSV-03A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6786430	-122.3921243	NA	1.2	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	1.2
SSV-04A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6787588	-122.3920690	NA	1.2	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	1.2
SSV-05A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6788400	-122.3920882	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-06A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6788030	-122.3921682	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-07A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6787210	-122.3921851	NA	1.5	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	1.5
SSV-08A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6786480	-122.3919433	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-09A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6785907	-122.3920546	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-10A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6786129	-122.3921885	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-11A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6785581	-122.3923217	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7
SSV-12A	4/2/15	Subslab Vapor	RotoHammer	0.625	37.6784849	-122.3924625	NA	0.7	Flush Mount	NA	NA	NA	Stainless Steel	NA	NA	NA	NA	NA	0.7

Legend:
ft bgs = below ground surface
ft msl = above mean sea level
NA = not applicable
NL = borehole was not logged
SCH 40 PVC = Schedule 40 Polyvinyl Chloride
TOC = top of casing

EHS Support

Table 3
Indoor Air Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Sample Date	Duplicate	Sampled By	Predominate Wind Direction (Out of)	Location	Benzene	Toluene	Ethylbenzene	M,P-Xylene	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethene	Vinyl Chloride	1,1-Dichloroethene	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	1,4-Dioxane (P-Dioxane)	Styrene	Benzyl Chloride	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene
Unit						µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
					Risk Based Cleanup Level	**0.42**	**1300**	**4.9**	**440**	**2.1**	**3**	**31**	**260**	**0.16**	**880**	**22000**	**0.58**	**7.7**	**1.6**	**3900**	**--**	**0.77**	**0.77**
Sample																							
OA-1	6/13/2013		Terraphase	NR	Parcel A	**0.16**	**0.36**	**0.095**	**0.34**	0.07 U	**0.38**	0.02 U	0.02 U	0.01 U	0.02 U	--	**0.037**	0.02 U	--	--	--	--	--
OA-AMBIENT	7/28/2014		Farallon	NR	Parcel A	**0.29**	**0.29**	**0.29**	**0.3**	**0.29**	0.13 U	0.099 U	0.099 U	0.026 U	0.099 U	0.14 U	0.1 U	0.1 U	--	--	--	--	--
OA-01A	11/20/2014		ERM	0 MPH	Parcel A	**0.36**	**0.84**	**0.14**	**0.42**	0.21 U	0.16 U	0.12 U	0.6 U	0.039 U	0.06 U	0.16 U	0.12 U	0.12 U	2.7 U	0.65 U	0.79 U	0.69 U	0.69 U
	4/2/2015		ERM	NR	Parcel A	**0.32**	**0.37**	0.13 U	0.26 U	0.2 U	0.16 U	0.12 U	0.59 U	0.038 U	0.059 U	0.16 U	0.12 U	0.12 U	0.54 U	0.63 U	0.77 U	0.68 U	0.68 U
	1/25/2016		ERM	1-2 MPH (N)	Parcel A	**0.51**	**0.76**	**0.14**	**0.43**	0.21 U	0.16 U	0.12 U	0.61 U	0.039 U	0.061 U	0.17 U	0.12 U	0.12 U	0.55 U	0.66 U	0.8 U	0.7 U	0.7 U
	12/15/2016		ERM	2-4 MPH (S)	Parcel A	**0.28 J**	**0.53 J**	**0.14 J**	**0.4 J**	0.64 U	0.51 U	3.8 U	3.8 U	0.24 U	3.8 U	5.2 U	3.3 U	0.77 U	1.4 U	4 U	4.9 U	0.43 U	0.43 U
	8/1/2017		EHS Support	3-22 MPH (WNW)	Parcel A	**0.26**	1.36 U	1.69 U	3.43 U	0.10 U	0.59 U	1.11 U	0.95 U	0.36 U	0.36 U	0.60 U	0.06 U	0.39 U	0.35 U	1.53 U	2.33 U	1.22 U	1.13 U
	1/17/2018		EHS Support	4-13 MPH (NE)	Parcel A	**0.99**	1.4 U	1.7 U	3.4 U	**0.45**	0.61 U	1.1 U	0.95 U	0.02 U	0.36 U	0.61 U	4.1 U	0.39 U	0.35 U	1.5 U	2.4 U	0.048 U	0.037 U
	8/2/2018		EHS Support	3-21 MPH (W)	Parcel A	**0.12**	1.9 U	2.2 U	17 U	0.17 U	**2.6 J**	2 U	2 U	0.13 U	2 U	2.7 U	0.1 U	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
	1/22/2019		EHS Support	3 - MPH (NE)	Parcel A	**0.19**	1.9 U	2.2 U	17 U	0.17 U	2.7 U	2 U	2 U	0.13 U	2 U	2.7 U	0.1 U	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
Indoor Air Sample																							
IA-4	6/13/2013		Terraphase	NA	Parcel A	**0.12**	**0.35**	**0.06**	**0.23**	**0.036**	**0.043**	0.02 U	0.02 U	0.01 U	0.02 U	--	**0.037**	0.02 U	--	--	--	--	--
IA-5	6/13/2013		Terraphase	NA	Parcel A	**0.12**	**0.23**	**0.047**	**0.18**	**0.11**	**0.065**	0.13 U	0.02 U	0.01 U	0.02 U	--	**0.033**	0.02 U	--	--	--	--	--
IA-6	6/13/2013		Terraphase	NA	Parcel A	**0.17**	**0.33**	**0.18**	**0.69**	**1.2**	**1.4**	**0.02**	0.02 U	0.01 U	0.02 U	--	**0.037**	0.02 U	--	--	--	--	--
IA-7	6/13/2013		Terraphase	NA	Parcel A	**0.12**	**0.23**	**0.056**	**0.19**	0.07 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	--	**0.037**	0.02 U	--	--	--	--	--
IA-8	6/13/2013		Terraphase	NA	Parcel A	**0.2**	**0.49**	**0.13**	**0.47**	**0.088**	**0.043**	0.25 U	0.02 U	0.01 U	0.02 U	--	**0.045**	0.02 U	--	--	--	--	--
IA-VWR	7/28/2014		Farallon	NA	Parcel A	**0.16**	**0.36**	**0.15**	**0.51**	**1.7**	**2**	**0.12**	0.099 U	0.026 U	0.099 U	0.14 U	0.1 U	**0.16**	--	--	--	--	--
IA-01A	11/20/2014		ERM	NA	Parcel A	**0.33**	**1.7**	**0.2**	**0.65**	**0.62**	**0.39**	0.19 U	0.6 U	0.039 U	0.06 U	0.16 U	0.12 U	0.12 U	2.7 U	0.65 U	0.79 U	0.69 U	0.69 U
	4/2/2015		ERM	NA	Parcel A	**0.34**	**0.48**	0.13 U	**0.39**	**1.2**	**1.5**	**0.13**	0.6 U	0.039 U	0.06 U	0.16 U	0.12 U	0.12 U	0.55 U	0.65 U	0.79 U	0.69 U	0.69 U
	1/25/2016		ERM	NA	Parcel A	**0.45**	**0.72**	**0.16**	**0.53**	**0.84**	**0.98**	**0.16**	0.58 U	0.037 U	0.058 U	0.16 U	0.12 U	0.12 U	0.53 U	0.62 U	0.76 U	0.66 U	0.66 U
	12/15/2016		ERM	NA	Parcel A	**0.26 J**	**3.7**	**0.22 J**	**0.78 J**	**0.36 J**	**0.14 J**	**1.1 J**	3.6 U	**0.14 J**	3.6 U	5 U	3.2 U	**0.089 J**	1.3 U	3.9 U	4.7 U	0.42 U	0.42 U
	8/1/2017		EHS Support	NA	Parcel A	**0.27**	**2.07**	1.69 U	3.43 U	**0.52**	0.59 U	1.11 U	0.95 U	0.36 U	0.36 U	0.60 U	0.06 U	0.39 U	0.35 U	1.53 U	2.33 U	1.22 U	1.13 U
	8/1/2017	X	EHS Support	NA	Parcel A	**0.27**	**2.75**	1.69 U	3.43 U	**0.51**	0.59 U	1.10 U	0.95 U	0.36 U	0.36 U	0.60 U	0.06 U	0.39 U	0.35 U	1.53 U	2.33 U	1.22 U	1.13 U
	1/17/2018		EHS Support	NA	Parcel A	**0.78**	**6.3**	1.7 U	3.4 U	**1.1**	**1.3 J**	1.11 U	0.95 U	**0.059**	0.36 U	0.61 U	4.1 U	0.39 U	0.35 U	1.5 U	2.4 U	0.048 U	0.037 U
	1/17/2018	X	EHS Support	NA	Parcel A	**0.82**	**7.3**	1.7 U	3.4 U	**1.2**	**0.66 J**	0.13 U	0.95 U	**0.059**	0.36 U	0.61 U	4.1 U	0.39 U	0.35 U	1.5 U	2.4 U	0.048 U	0.037 U
	8/2/2018		EHS Support	NA	Parcel A	**0.13**	**1.9**	2.2 U	17 U	**0.29**	2.7 U	2 U	2 U	0.13 U	2 U	2.7 U	0.1 U	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
	8/2/2018	X	EHS Support	NA	Parcel A	**0.12**	**2.2**	2.2 U	17 U	**0.3**	2.7 U	2 U	2 U	0.13 U	2 U	2.7 U	0.1 U	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
	1/22/2019		EHS Support	NA	Parcel A	**0.52 J**	**3.9**	2.2 U	17 U	**0.3**	2.7 U	2 U	2 U	0.13 U	2 U	2.7 U	**0.069 J**	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
	1/22/2019	X	EHS Support	NA	Parcel A	**0.27 J**	**3.4**	2.2 U	17 U	**0.27**	2.7 U	2 U	2 U	0.13 U	2 U	2.7 U	0.1 U	2 U	0.9 U	6.4 U	10 U	0.11 U	0.11 U
IA-02A	1/25/2016		ERM	NA	Parcel A	**0.45**	**0.79**	**0.16**	**0.5**	**0.47**	**0.37**	0.12 U	0.65 U	0.042 U	0.065 U	0.18 U	0.13 U	0.13 U	0.59 U	0.7 U	0.85 U	0.75 U	0.75 U
	11/20/2014	X	ERM	NA	Parcel A	**0.3**	**0.78**	**0.16**	**0.48**	0.2 U	0.16 U	0.12 U	0.59 U	0.038 U	0.059 U	0.16 U	0.12 U	0.12 U	2.7 U	0.63 U	0.77 U	0.67 U	0.67 U
IA-03A	11/20/2014		ERM	NA	Parcel A	**0.32**	**0.79**	**0.17**	**0.54**	0.21 U	0.16 U	0.12 U	0.61 U	0.039 U	0.061 U	0.17 U	0.12 U	0.12 U	2.8 U	0.66 U	0.8 U	0.7 U	0.7 U
IA-04A	1/25/2016		ERM	NA	Parcel A	**0.45**	**0.71**	**0.14**	**0.44**	**0.41**	**0.34**	0.12 U	0.61 U	0.039 U	0.061 U	0.17 U	0.12 U	0.12 U	0.55 U	0.65 U	0.79 U	0.69 U	0.69 U

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
µg/m3 = microgram per cubic meter
-- = not analyzed
Bold values indicate detections at or above the reportable detection limit
Values shaded gray are detections above the Risk-Based Cleanup Levels
NR = not recorded
MPH = mile per hour
NA = not applicable

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).

Table 3
Indoor Air Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Sample Date	Duplicate	Sampled By	Predominate Wind Direction (Out of)	Location	N-Propylbenzene	1,4-Dichlorobenzene	1,2-Dibromoethane	1,3-Butadiene	Allyl Chloride	Methyl Isobutyl Ketone	1,3,5-Trimethylbenzene	Chlorobenzene	Tetrahydrofuran	N-Hexane	Cyclohexane	1,2,4-Trichlorobenzene	Dibromochloromethane	N-Heptane	Tert-Butyl Methyl Ether	2,2,4-Trimethylpentane	1,3-Dichlorobenzene	Carbon Tetrachloride
Unit						µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
					Risk Based Cleanup Level	--	--	**0.17**	--	--	**13000**	--	**4400**	--	--	--	**18**	--	--	**47**	--	--	**0.29**
Sample																							
OA-1	6/13/2013		Terraphase	NR	Parcel A	--	--	--	--	--	**0.066**	**0.049**	--	--	--	--	--	--	--	--	--	--	0.03 U
OA-AMBIENT	7/28/2014		Farallon	NR	Parcel A	--	--	--	--	--	--	0.12 U	0.12 U	--	--	--	--	0.21 U	--	0.09 U	--	--	**0.48**
OA-01A	11/20/2014		ERM	0 MPH	Parcel A	0.75 U	0.91 U	1.2 U	0.34 U	2.4 U	0.62 U	0.75 U	0.7 U	2.2 U	0.54 U	0.52 U	5.6 U	1.3 U	0.62 U	0.55 U	3.6 U	0.91 U	0.96 U
	4/2/2015		ERM	NR	Parcel A	0.73 U	0.18 U	0.23 U	0.33 U	2.3 U	0.61 U	0.73 U	0.68 U	2.2 U	0.52 U	0.51 U	5.5 U	1.3 U	0.61 U	0.54 U	3.5 U	0.9 U	**0.39**
	1/25/2016		ERM	1-2 MPH (N)	Parcel A	0.76 U	0.18 U	0.24 U	0.34 U	2.4 U	0.63 U	0.76 U	0.71 U	2.3 U	0.54 U	0.53 U	5.7 U	1.3 U	0.63 U	0.56 U	3.6 U	0.92 U	**0.45**
	12/15/2016		ERM	2-4 MPH (S)	Parcel A	1.1 U	0.73 U	2.1 U	8.7 U	0.38 U	3.9 U	4.7 U	4.4 U	2.8 U	3.3 U	3.3 U	7.1 U	8.1 U	3.9 U	3.4 U	--	5.7 U	**0.39 J**
	8/1/2017		EHS Support	3-22 MPH (WNW)	Parcel A	1.92 U	1.68 U	1.15 U	1.90 U	--	4.09 U	1.87 U	0.46 U	3.83 U	2.71 U	0.65 U	10.38 U	0.94 U	4.51 U	2.41 U	0.70 U	1.86 U	**0.56**
	1/17/2018		EHS Support	4-13 MPH (NE)	Parcel A	1.8 U	0.096 U	0.02 U	0.058 U	3.6 U	3.9 U	1.8 U	0.46 U	--	--	--	11 U	0.96 U	--	2.4 U	--	1.8 U	**0.98**
	8/2/2018		EHS Support	3-21 MPH (W)	Parcel A	27 U	0.15 U	7.4 U	4.9 U	**4.5 J**	4.4 U	14 U	2.3 U	0.17 U	27 U	0.11 U	15 U	4.3 U	27 U	7.2 U	0.9 U	3 U	**0.52**
	1/22/2019		EHS Support	3 - MPH (NE)	Parcel A	--	0.15 U	0.19 U	--	--	4.4 U	4.9 U	2.3 U	--	--	--	15 U	4.3 U	--	7.2 U	--	3 U	0.31 U
Indoor Air Sample																							
IA-4	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	**0.07**	**0.22**	--	--	--	--	--	--		--	--	--	0.03 U
IA-5	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	**0.21**	**0.029**	--	--	--	--	--	--	--	--	--	--	0.03 U
IA-6	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	**0.29**	**0.17**	--	--	--	--	--	--	--	--	--	--	0.03 U
IA-7	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	**0.041**	**0.034**	--	--	--	--	--	--	--	--	--	--	0.03 U
IA-8	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	**0.19**	**0.098**	--	--	--	--	--	--	--	--	--	--	0.03 U
IA-VWR	7/28/2014		Farallon	NA	Parcel A	--	--	--	--	--	--	0.12 U	0.12 U	--	--	--	--	0.21 U	--	0.09 U	--	--	**0.48**
IA-01A	11/20/2014		ERM	NA	Parcel A	0.75 U	0.91 U	1.2 U	0.34 U	2.4 U	0.62 U	0.75 U	0.7 U	2.2 U	0.54 U	0.52 U	5.6 U	1.3 U	0.62 U	0.55 U	3.6 U	0.91 U	0.96 U
	4/2/2015		ERM	NA	Parcel A	0.75 U	0.18 U	0.23 U	0.34 U	2.4 U	0.62 U	0.75 U	0.7 U	2.2 U	0.54 U	0.52 U	5.6 UJ	1.3 U	0.62 U	0.55 U	3.6 U	0.91 U	**0.43**
	1/25/2016		ERM	NA	Parcel A	0.72 U	0.18 U	0.22 U	0.32 U	2.3 U	0.6 U	0.72 U	0.67 U	2.2 U	**0.74**	0.5 U	5.4 U	1.2 U	0.69	0.53 U	3.4 U	0.88 U	**0.48**
	12/15/2016		ERM	NA	Parcel A	**0.39 J**	0.7 U	2 U	**0.92 J**	0.37 U	3.7 U	4.5 U	4.2 U	2.7 U	**0.96 J**	3.1 U	6.8 U	7.8 U	3.7 U	3.3 U	--	5.5 U	**0.45 J**
	8/1/2017		EHS Support	NA	Parcel A	1.92 U	1.68 U	1.15 U	1.90 U	--	4.09 U	1.87 U	0.46 U	3.83 U	2.71 U	**1.38 J**	10.38 U	0.94 U	4.51 U	2.41 U	**1.31 J**	1.86 U	**0.54**
	8/1/2017	X	EHS Support	NA	Parcel A	1.92 U	1.68 U	1.15 U	1.90 U	--	4.09 U	1.87 U	0.46 U	3.83 U	2.71 U	0.65 U	10.38 U	0.94 U	4.51 U	2.41 U	**0.98 J**	1.86 U	**0.54**
	1/17/2018		EHS Support	NA	Parcel A	1.8 U	**1.3 J**	0.02 U	0.13	3.6 U	3.9 U	1.8 U	0.46 U	--	--	--	11 U	0.96 U	--	2.4 U	--	1.8 U	**0.51**
	1/17/2018	X	EHS Support	NA	Parcel A	1.8 U	**1 J**	0.02 U	0.13	3.6 U	3.9 U	1.8 U	0.46 U	--	--	--	11 U	0.96 U	--	2.4 U	--	1.8 U	**0.5**
	8/2/2018		EHS Support	NA	Parcel A	27 U	**0.52**	7.4 U	4.9 U	**14**	4.4 U	14 U	2.3 U	0.29	27 U	0.11 U	15 U	4.3 U	27 U	7.2 U	0.9 U	3 U	**0.55**
	8/2/2018	X	EHS Support	NA	Parcel A	27 U	**0.65**	7.4 U	4.9 U	**16**	4.4 U	14 U	2.3 U	0.3	27 U	0.11 U	15 U	4.3 U	27 U	7.2 U	0.9 U	3 U	**0.5**
	1/22/2019		EHS Support	NA	Parcel A	--	0.23	0.19 U	--	--	6.1 U	4.9 U	2.3 U	--	--	--	15 U	4.3 U	--	7.2 U	--	3 U	**0.29 J**
	1/22/2019	X	EHS Support	NA	Parcel A	--	**0.18**	0.19 U	--	--	6.1 U	4.9 U	2.3 U	--	--	--	15 U	4.3 U	--	7.2 U	--	3 U	0.31 U
IA-02A	1/25/2016		ERM	NA	Parcel A	0.81 U	0.2 U	0.25 U	0.36 U	2.6 U	0.68 U	0.81 U	0.76 U	2.4 U	0.58 U	0.57 U	6.1 U	1.4 U	0.68 U	0.59 U	3.8 U	0.99 U	**0.52**
	11/20/2014	X	ERM	NA	Parcel A	0.73 U	0.89 U	1.1 U	0.33 U	2.3 U	0.61 U	0.73 U	0.68 U	2.2 U	0.52 U	0.51 U	5.5 U	1.3 U	0.61 U	0.53 U	3.4 U	0.89 U	0.93 U
IA-03A	11/20/2014		ERM	NA	Parcel A	0.76 U	0.92 U	1.2 U	0.34 U	2.4 U	0.63 U	0.76 U	0.71 U	2.3 U	0.54 U	0.53 U	5.7 U	1.3 U	0.63 U	0.56 U	3.6 U	0.92 U	0.97 U
IA-04A	1/25/2016		ERM	NA	Parcel A	0.75 U	0.18 U	0.24 U	0.34 U	2.4 U	0.63 U	0.75 U	0.7 U	2.2 U	0.54 U	0.53 U	5.7 U	1.3 U	0.63 U	0.55 U	3.6 U	0.92 U	**0.5**

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
µg/m3 = microgram per cubic meter
-- = not analyzed
Bold values indicate detections at or above the reportable detection limit
Values shaded gray are detections above the Risk-Based Cleanup Levels
NR = not recorded
MPH = mile per hour
NA = not applicable

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).

Table 3
Indoor Air Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Sample Date	Duplicate	Sampled By	Predominate Wind Direction (Out of)	Location	2-Hexanone	4-Ethyltoluene	Ethanol	Isopropanol	Acetone	Chloroform	Bromomethane	Chloromethane	Chloroethane	Methylene Chloride	Carbon Disulfide	Bromoform	Bromodichloromethane	Trichlorofluoromethane	Dichlorodifluoromethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2-Dichlorotetrafluoroethane	1,2-Dichloropropane
Unit						µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
					Risk Based Cleanup Level	--	--	--	--	**140000**	**2.3**	**22**	**390**	**130000**	**26**	--	**11**	**0.33**	--	--	--	--	**1.2**
Sample																							
OA-1	6/13/2013		Terraphase	NR	Parcel A	--	--	--	--	**5.3**	--	--	--	--	--	--	--	--	--	--	--	--	--
OA-AMBIENT	7/28/2014		Farallon	NR	Parcel A	--	0.12 U	--	--	--	0.12 U	--	**0.97**	0.066 U	**0.19**	--	--	0.17 U	**1.1**	**2.2**	0.54	--	--
OA-01A	11/20/2014		ERM	0 MPH	Parcel A	3.1 U	0.75 U	**4.3**	1.9 U	**6.2**	0.74 U	3 U	1.6 U	2 U	1 U	**10**	1.6 U	1 U	**1.1**	**2.2**	1.2 U	1.1 U	0.7 U
	4/2/2015		ERM	NR	Parcel A	3 U	0.73 U	**2**	1.8 U	**4.4**	0.14 U	2.9 U	**0.84**	0.2 U	1 U	2.3 U	1.5 U	1 U	**1.2**	**2.1**	1.1 U	0.21 U	0.69 U
	1/25/2016		ERM	1-2 MPH (N)	Parcel A	3.2 U	0.76 U	**3.9**	1.9 U	**5.9**	0.15 U	3 U	**1.2**	0.2 U	1.1 U	2.4 U	1.6 U	1 U	**1.4**	**2.8**	1.2 U	0.22 U	0.71 U
	12/15/2016		ERM	2-4 MPH (S)	Parcel A	3.9 U	4.7 U	--	**1.2 J**	**3.3 J**	0.46 U	3.7 U	**0.69 J**	2.5 U	**0.55 J**	3 U	0.98 U	0.64 U	**0.95 J**	**1.8 J**	7.3 U	6.6 U	0.44 U
	8/1/2017		EHS Support	3-22 MPH (WNW)	Parcel A	3.32 U	1.62 U	3.72 U	7.34 U	**7.82**	**0.17**	1.01 U	**1.03**	0.87 U	3.82 U	2.33 U	3.10 U	0.63 U	4.60 U	**1.93 J**	4.90 U	5.94 U	0.37 U
	1/17/2018		EHS Support	4-13 MPH (NE)	Parcel A	3.3 U	1.6 U	--	**4.8 J**	**10**	**0.18**	1 U	**1.2**	0.86 U	3.8 U	0.19 U	3.1 U	0.075 U	4.6 U	**2.2 J**	4.9 U	5.9 U	0.066 U
	8/2/2018		EHS Support	3-21 MPH (W)	Parcel A	6.1 U	4.9 U	**2.3 J**	12 U	**4.5 J**	0.12 U	1.9 U	**1.1**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.3 J**	**2.3 J**	11 U	14 U	0.12 U
	1/22/2019		EHS Support	3 - MPH (NE)	Parcel A	6.1 U	4.9 U	--	12 U	**3.3 J**	**0.067 J**	1.9 U	**0.42**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.2 J**	**2.2 J**	11 U	14 U	0.12 U
Indoor Air Sample																							
IA-4	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	**5.8**	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-5	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	**13**	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-6	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	**11**	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-7	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	**7.7**	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-8	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	**11**	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-VWR	7/28/2014		Farallon	NA	Parcel A	--	0.12 U	--	--	--	**0.4**	--	**1.1**	0.066 U	**0.29**	--	--	0.17 U	**1.2**	**2.2**	**0.57**	--	--
IA-01A	11/20/2014		ERM	NA	Parcel A	3.1 U	0.75 U	9.9	1.9 U	**7**	0.74 U	3 U	1.6 U	2 U	1 U	2.4 U	1.6 U	1 U	**1.1**	**2**	1.2 U	1.1 U	0.7 U
	4/2/2015		ERM	NA	Parcel A	3.1 U	0.75 U	**23**	1.9 U	**7.4**	**0.35**	3 U	**0.84**	0.2 U	1 U	2.4 U	1.6 U	1 U	**1.1**	**2.1**	1.2 U	0.21 U	0.7 U
	1/25/2016		ERM	NA	Parcel A	3 U	0.72 U	**3.3**	1.8 U	**9.4**	**0.28**	2.8 U	**1.1**	0.19 U	1 U	2.3 U	1.5 U	0.98 U	**1.4**	**2.5**	1.1 U	0.2 U	0.67 U
	12/15/2016		ERM	NA	Parcel A	3.7 U	4.5 U	--	**3.3 J**	**14**	**0.089 J**	3.6 U	**0.68 J**	2.4 U	**0.6 J**	2.8 U	0.95 U	0.61 U	**0.97 J**	**1.9 J**	7 U	6.4 U	0.42 U
	8/1/2017		EHS Support	NA	Parcel A	3.32 U	1.62 U	3.72 U	**15.06**	**26.08**	**0.19**	1.01 U	**1.28**	0.87 U	3.82 U	2.33 U	3.10 U	0.63 U	4.60 U	**2.03 J**	4.90 U	5.94 U	0.37 U
	8/1/2017	X	EHS Support	NA	Parcel A	3.32 U	1.62 U	3.72 U	**15.06**	**23.71**	**0.15**	1.01 U	**0.99 J**	0.87 U	3.82 U	2.33 U	3.10 U	0.63 U	4.60 U	**2.03 J**	4.90 U	5.94 U	0.37 U
	1/17/2018		EHS Support	NA	Parcel A	3.3 U	1.6 U	--	**14**	**98 J**	**0.31**	1 U	**1.1**	0.86 U	3.8 U	0.19 U	3.1 U	0.075 U	4.6 U	**2.4 J**	4.9 U	5.9 U	0.066 U
	1/17/2018	X	EHS Support	NA	Parcel A	3.3 U	1.6 U	--	**13**	**46 J**	**0.32**	1 U	**1.2**	0.86 U	3.8 U	0.19 U	3.1 U	0.075 U	4.6 U	**2.3 J**	4.9 U	5.9 U	0.066 U
	8/2/2018		EHS Support	NA	Parcel A	6.1 U	4.9 U	**2.2 J**	**3.9 J**	**14**	0.12 U	1.9 U	**1**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.3 J**	**2.2 J**	11 U	14 U	0.12 U
	8/2/2018	X	EHS Support	NA	Parcel A	6.1 U	4.9 U	**2.2 J**	**4.5 J**	**16**	0.12 U	1.9 U	**1.1**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.2 J**	**2.2 J**	11 U	14 U	0.12 U
	1/22/2019		EHS Support	NA	Parcel A	6.1 U	4.9 U	--	**7.2 J**	**18**	**0.099 J**	1.9 U	**0.44**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.3 J**	**2.3** J	11 U	14 U	0.12 U
	1/22/2019	X	EHS Support	NA	Parcel A	6.1 U	4.9 U	--	**5.8 J**	**17**	**0.066 J**	1.9 U	**0.48**	1.3 U	17 U	1.6 U	5.2 U	0.17 U	**1.3 J**	**2.3 J**	11 U	14 U	**0.082 J**
IA-02A	1/25/2016		ERM	NA	Parcel A	3.4 U	0.81 U	**3.9**	2 U	**9.3**	**0.19**	3.2 U	**1.2**	0.22 U	1.1 U	2.6 U	1.7 U	1.1 U	**1.4**	**2.8**	1.3 U	0.23 U	0.76 U
	11/20/2014	X	ERM	NA	Parcel A	3 U	0.73 U	**4.1**	1.8 U	**7.5**	0.72 U	2.9 U	1.5 U	2 U	1 U	2.3 U	1.5 U	0.99 U	**1**	**2**	1.1 U	1 U	0.68 U
IA-03A	11/20/2014		ERM	NA	Parcel A	3.2 U	0.76 U	**4.6**	1.9 U	**7.5**	0.75 U	3 U	1.6 U	2 U	1.1 U	2.4 U	1.6 U	1 U	**1.1**	**2**	1.2 U	1.1 U	0.71 U
IA-04A	1/25/2016		ERM	NA	Parcel A	3.1 U	0.75 U	**2.3**	1.9 U	**6.2**	**0.19**	3 U	**1.2**	0.2 U	1.1 U	2.4 U	1.6 U	1 U	**1.4**	**2.7**	1.2 U	0.21 U	0.71 U

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
µg/m3 = microgram per cubic meter
-- = not analyzed
Bold values indicate detections at or above the reportable detection limit
Values shaded gray are detections above the Risk-Based Cleanup Levels
NR = not recorded
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Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).

Table 3
Indoor Air Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Sample Date	Duplicate	Sampled By	Predominate Wind Direction (Out of)	Location	Methyl Ethyl Ketone (2-Butanone)	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	Hexachlorobutadiene	Naphthalene	O-Xylene (1,2-Dimethylbenzene)	1,2-Dichlorobenzene	1,2,4-Trimethylbenzene	Isopropylbenzene (Cumene)	1,1-Difluoroethane	Ethyl Acetate	T-Butylbenzene	Butane, 2-Methoxy-2-Methyl	Sec-Butylbenzene	Ethyl Tert-Butyl Ether	Tert-Butyl Alcohol	N-Butylbenzene	Butane
Unit						µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
					Risk Based Cleanup Level	**22000**	**0.77**	**0.21**	**--**	**0.36**	**440**	**880**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Sample																							
OA-1	6/13/2013		Terraphase	NR	Parcel A	0.02 U	--	--	--	**0.37**	**0.12**	--	**0.2**	--	--	--	--	--	--	--	--	--	--
OA-AMBIENT	7/28/2014		Farallon	NR	Parcel A	--	0.14 U	0.17 U	0.27 U	--	0.11 U	--	**0.18**	--	**0.079**	--	--	--	--	--	--	--	--
OA-01A	11/20/2014		ERM	0 MPH	Parcel A	2.2 U	0.16 U	0.21 U	8.1 U	0.4 U	**0.14**	0.91 U	0.75 U	0.75 U	--	--	--	--	--	--	--	--	--
	4/2/2015		ERM	NR	Parcel A	2.2 U	0.16 U	0.2 U	7.9 U	0.39 U	0.13 U	0.9 U	0.73 U	0.73 U	--	--	--	--	--	--	--	--	--
	1/25/2016		ERM	1-2 MPH (N)	Parcel A	2.3 U	0.17 U	0.21 U	8.2 U	0.4 U	**0.22**	0.92 U	0.76 U	0.76 U	--	--	--	--	--	--	--	--	--
	12/15/2016		ERM	2-4 MPH (S)	Parcel A	2.8 U	0.52 U	0.65 U	10 U	5 U	**0.19 J**	5.7 U	1.6 U	--	--	3.4 U	--	--	--	--	--	--	--
	8/1/2017		EHS Support	3-22 MPH (WNW)	Parcel A	2.09 U	0.60 U	2.71 U	12.79 U	**0.25**	1.35 U	1.68 U	4.91 U	1.57 U	3.30 U	--	--	--	--	--	--	1.81 U	3.80 U
	1/17/2018		EHS Support	4-13 MPH (NE)	Parcel A	2.1 U	0.085 U	0.084 U	0.19 U	**0.12**	1.4 U	1.7 U	5 U	--	2.9 U	--	1.4 U	3.3 U	1.4 U	3.7 U	5.1 U	--	--
	8/2/2018		EHS Support	3-21 MPH (W)	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	8.4 U	5.4 U	**2.3 J**	27 U	8.4 U	27 U	8.4 U	6.1 U	27 U	1.9 U
	1/22/2019		EHS Support	3 - MPH (NE)	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	--	5.4 U	--	27 U	8.4 U	27 U	8.4 U	6.1 U	27 U	--
Indoor Air Sample																							
IA-4	6/13/2013		Terraphase	NA	Parcel A	0.02 U	--	--	--	**0.082**	**0.083**	--	--	--	--	--	--	--	--	--	--	--	--
IA-5	6/13/2013		Terraphase	NA	Parcel A	0.02 U	--	--	--	**0.3**	**0.065**	--	**0.13**	--	--	--	--	--	--	--	--	--	--
IA-6	6/13/2013		Terraphase	NA	Parcel A	0.02 U	--	--	--	**0.48**	**0.25**	--	**0.54**	--	--	--	--	--	--	--	--	--	--
IA-7	6/13/2013		Terraphase	NA	Parcel A	0.02 U	--	--	--	**0.078**	**0.069**	--	**0.12**	--	--	--	--	--	--	--	--	--	--
IA-8	6/13/2013		Terraphase	NA	Parcel A	0.02 U	--	--	--	**0.39**	**0.17**	--	**0.39**	--	--	--	--	--	--	--	--	--	--
IA-VWR	7/28/2014		Farallon	NA	Parcel A	--	0.14 U	0.17 U	0.27 U	--	**0.15**	--	**0.2**	--	**0.087**	--	--	--	--	--	--	--	--
IA-01A	11/20/2014		ERM	NA	Parcel A	2.2 U	0.16 U	0.21 U	8.1 U	0.4 U	**0.25**	0.91 U	0.75 U	0.75 U	--	--	--	--	--	--	--	--	--
	4/2/2015		ERM	NA	Parcel A	2.2 U	0.16 U	0.21 U	8.1 U	0.4 U	**0.14**	0.91 U	0.75 U	0.75 U	--	--	--	--	--	--	--	--	--
	1/25/2016		ERM	NA	Parcel A	2.2 U	0.16 U	0.2 U	7.8 U	0.38 U	**0.22**	0.88 U	0.72 U	0.72 U	--	--	--	--	--	--	--	--	--
	12/15/2016		ERM	NA	Parcel A	**0.8 J**	0.5 U	0.63 U	9.8 U	4.8 U	**0.3 J**	5.5 U	1.5 U	--	--	3.3 U	--	--	--	--	--	--	--
	8/1/2017		EHS Support	NA	Parcel A	2.09 U	0.60 U	2.71 U	12.79 U	**0.48**	1.35 U	1.68 U	4.91 U	1.57 U	3.30 U	--	--	--	--	--	--	1.81 U	3.80 U
	8/1/2017	X	EHS Support	NA	Parcel A	2.09 U	0.60 U	2.71 U	12.79 U	**0.40**	1.35 U	1.68 U	4.91 U	1.57 U	3.30 U	--	--	--	--	--	--	1.81 U	3.80 U
	1/17/2018		EHS Support	NA	Parcel A	**24 J**	0.085 U	0.084 U	0.19 U	**0.2 J**	1.4 U	1.7 U	5 U	--	**15 J**	--	1.4 U	3.3 U	1.4 U	3.7 U	5.1 U	--	--
	1/17/2018	X	EHS Support	NA	Parcel A	**5.1 J**	0.085 U	0.084 U	0.19 U	**0.27 J**	1.4 U	1.7 U	5 U	--	**18 J**	--	1.4 U	3.3 U	1.4 U	3.7 U	5.1 U	--	--
	8/2/2018		EHS Support	NA	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	8.4 U	**36**	**2.2 J**	27 U	8.4 U	27 U	8.4 U	**2.3 J**	27 U	1.9 U
	8/2/2018	X	EHS Support	NA	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	8.4 U	**34**	**2.2 J**	27 U	8.4 U	27 U	8.4 U	**3.1 J**	27 U	1.9 U
	1/22/2019		EHS Support	NA	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	--	**15 J**	--	27 U	8.4 U	27 U	8.4 U	6.1 U	27 U	--
	1/22/2019	X	EHS Support	NA	Parcel A	4.4 U	0.14 U	0.17 U	1.1 U	0.26 U	8.7 U	3 U	7.4 U	--	**22 J**	--	27 U	8.4 U	27 U	8.4 U	6.1 U	27 U	--
IA-02A	1/25/2016		ERM	NA	Parcel A	2.4 U	0.18 U	0.23 U	8.8 U	0.43 U	**0.2**	0.99 U	0.81 U	0.81 U	--	--	--	--	--	--	--	--	--
	11/20/2014	X	ERM	NA	Parcel A	2.2 U	0.16 U	0.2 U	7.9 U	0.39 U	**0.22**	0.89 U	0.73 U	0.73 U	--	--	--	--	--	--	--	--	--
IA-03A	11/20/2014		ERM	NA	Parcel A	2.3 U	0.17 U	0.21 U	8.2 U	0.4 U	**0.21**	0.92 U	0.76 U	0.76 U	--	--	--	--	--	--	--	--	--
IA-04A	1/25/2016		ERM	NA	Parcel A	2.2 U	0.17 U	0.21 U	8.2 U	0.4 U	**0.18**	0.92 U	0.75 U	0.75 U	--	--	--	--	--	--	--	--	--

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
µg/m3 = microgram per cubic meter
-- = not analyzed
Bold values indicate detections at or above the reportable detection limit
Values shaded gray are detections above the Risk-Based Cleanup Levels
NR = not recorded
MPH = mile per hour
NA = not applicable

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).

Table 3
Indoor Air Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Sample Date	Duplicate	Sampled By	Predominate Wind Direction (Out of)	Location	Acrolein	Acrylonitrile	Vinyl Acetate	Isopropyl Ether	Propylene	Sec-Butylbenzene	Ethyl Acetate	Methanol	Isopropanol	Propane	2-Methyl Propane	1,1-Difluoroethane	Tert-Butyl Alcohol	Methyl Methacrylate	Norflurane	2-Chlorotoluene	1,2,3-Trichloropropane	T-Butylbenzene	Gasoline Range Organics
Unit						µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
					Risk Based Cleanup Level	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sample																								
OA-1	6/13/2013		Terraphase	NR	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OA-AMBIENT	7/28/2014		Farallon	NR	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2400**
OA-01A	11/20/2014		ERM	0 MPH	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/2/2015		ERM	NR	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/25/2016		ERM	1-2 MPH (N)	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2016		ERM	2-4 MPH (S)	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/2017		EHS Support	3-22 MPH (WNW)	Parcel A	0.76 U	1.71 U	3.52 U	3.84 U	1.89 U	1.35 U	2.81 U	**7.60 J**	2.46 U	**5.59 J**	8.08 U	2.97 U	5.15 U	3.44 U	3.84 U	2.33 U	2.35 U	1.43 U	--
	1/17/2018		EHS Support	4-13 MPH (NE)	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/2/2018		EHS Support	3-21 MPH (W)	Parcel A	**4.5 J**	**4.5 J**	7 U	8.4 U	8.7 U	27 U	**2.30 J**	17 U	12 U	8.7 U	6.1 U	5.4 U	6.1 U	6.1 U	27 U	0.9 U	5.4 U	27 U	2.2 U
	1/22/2019		EHS Support	3 - MPH (NE)	Parcel A	--	--	7 U	8.4 U	--	27 U	--	--	12 U	--	--	5.4 U	6.1 U	--	--	--	--	27 U	--
Indoor Air Sample																								
IA-4	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-5	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-6	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-7	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-8	6/13/2013		Terraphase	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-VWR	7/28/2014		Farallon	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-01A	11/20/2014		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2200**
	4/2/2015		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/25/2016		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2016		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/2017		EHS Support	NA	Parcel A	**1.12 J**	1.71 U	3.52 U	3.84 U	1.89 U	1.35 U	2.81 U	**144.06**	**2.95 J**	**15.32 J**	8.08 U	**23.22**	**10.30**	3.44 U	3.84 U	2.33 U	2.35 U	1.43 U	--
	8/1/2017	X	EHS Support	NA	Parcel A	**0.94 J**	1.71 U	3.52 U	3.84 U	1.89 U	1.35 U	2.81 U	**144.06**	**2.95 J**	**15.14 J**	8.08 U	**23.22**	**10.30**	3.44 U	3.84 U	2.33 U	2.35 U	1.43 U	--
	1/17/2018		EHS Support	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/17/2018	X	EHS Support	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/2/2018		EHS Support	NA	Parcel A	**14**	**14**	7 U	8.4 U	8.7 U	27 U	**2.2 J**	17 U	**3.9 J**	8.7 U	6.1 U	**36**	**2.3 J**	6.1 U	27 U	0.9 U	**36**	27 U	2.2 U
	8/2/2018	X	EHS Support	NA	Parcel A	**16**	**16**	7 U	8.4 U	8.7 U	27 U	**2.2 J**	17 U	**4.5 J**	8.7 U	6.1 U	**34**	**3.1 J**	6.1 U	27 U	0.9 U	**34**	27 U	2.2 U
	1/22/2019		EHS Support	NA	Parcel A	--	--	7 U	8.4 U	--	27 U	--	--	**7.2 J**	--	--	**15 J**	6.1 U	--	--	--	--	27 U	--
	1/22/2019	X	EHS Support	NA	Parcel A	--	--	7 U	8.4 U	--	27 U	--	--	**5.8 J**	--	--	**22 J**	6.1 U	--	--	--	--	27 U	--
IA-02A	1/25/2016		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/2014	X	ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-03A	11/20/2014		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-04A	1/25/2016		ERM	NA	Parcel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
µg/m3 = microgram per cubic meter
-- = not analyzed
Bold values indicate detections at or above the reportable detection limit
Values shaded gray are detections above the Risk-Based Cleanup Levels
NR = not recorded
MPH = mile per hour
NA = not applicable

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Benzene	Toluene	Ethylbenzene	M,P-Xylene	O-Xylene (1,2-Dimethylbenzene)	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane (P-Dioxane)
			Risk Based Clean-up Levels	420	1300000	4900	440000	440000	2100	3000	31000	260000	160	22000000	580	7700	880000	1600
Subslab Soil Vapor																		
SSV-01A	22.5		8/27/2013	8 U	9.4 U	41	140	59	1500	3300	480	55	6.4 U	140	10 U	140	9.9 U	--
		X	4/2/2015	6.6 U	8.9 U	9 U	12 U	9 U	1600	2200	320	24	5.3 U	76	8.4 U	200	8.2 U	44
			4/2/2015	6.6 U	8.4 U	9 U	11 U	9 U	1600	2300	330	26	5.3 U	82	8.4 U	200	8.2 U	46
		X	1/28/2016	3.5 U	4.1 U	4.7 U	4.7 U	4.7 U	920	1500	190	17	2.8 U	63	4.4 U	120	4.3 U	86
			1/28/2016	3.4 U	4.1 U	4.7 U	4.7 U	4.7 U	920	1500	190	17	2.8 U	61	4.4 U	120	4.3 U	88
			12/16/2016	4.4	7.3	7.3	22	7.8	46	92	8.8	0.61 J	2.7	9.3	0.81	39	1.2 J	8
		X	8/2/2017	1 J	5.1	2.3 UJ	7.3 J	10 J	350	260	11	1.3 U	0.47 U	16	0.73 U	43	2.3 J	450
			8/2/2017	1.9 J	5.2	33 J	52 J	19 J	360	280	10	1.3 U	0.5 U	15	0.77 U	42	2.2 J	440
		X	1/18/2018	0.88 J	14 J	19 J	68 J	31 J	340	560 J	23	1 U	0.38 U	37	0.59 U	97	2 J	130
			1/18/2018	0.75 J	8.4 J	12 J	45 J	21 J	410	420 J	24	1 U	0.38 U	34	0.59 U	86	1.7 J	160
			8/2/2018	1.6 U	1.9 U	2.2 U	17 U	8.7 U	340	370	12	2 U	0.91 J	16	2 U	26	2 U	140
		X	1/23/2019	4.9 J	9.8 J	1.2 J	4.9 J	8.7 U	240 J	180	8	2 U	1.3 U	8.5 J	2 U	26 J	2 U	140 J
			1/23/2019	0.58 J	2.2 J	2.2 U	17 U	8.7 U	360 J	230	6.8	2 U	1.3 U	12 J	2 U	37 J	2 U	91 J
SSV-02A	14.5		8/27/2013	32 U	100	43 U	66	43 U	320	370	46	39 U	25 U	54 U	40 U	40 U	39 U	--
			4/2/2015	3.3 U	18 U	6.2 U	14 U	6.8 U	290	500	61	4.1 U	2.6 U	19	4.2 U	56	4.1 U	15 U
			1/28/2016	1.3 U	3.4	1.7 U	1.8	1.7 U	300	520	62	4.5	1 U	22	1.6 U	59	1.6	8.9
			12/16/2016	2	240	16	80	37	190	110	10	0.34 J	1.2	14	0.92	54	0.87 J	1.4 U
			8/2/2017	0.74 J	14	2.3 U	4.9 J	3.1	290	160	5.7	1.3 U	0.48 U	17	0.74 U	64	2.1 J	190
			1/18/2018	2.3	12	14	46	20	790	470	19	1.3 U	0.48 U	67	0.75 U	380	10	44 J
			8/2/2018	3.3 U	3.9 U	4.5 U	36 U	18 U	190	110	2.2 J	4.1 U	2.6 U	8.1	4.2 U	41	4.1 U	75 U
			1/23/2019	1.6 U	0.83 J	2.2 U	17 U	8.7 U	770	360	7.3	2 U	1.3 U	20	2 U	110	4.1 U	47
SSV-03A	14.5	X	8/27/2013	2.9	10 J	10 J	12 J	6.4 J	460	830	93	7.8	2.2 U	55	3.5 U	44	3.4 U	--
			8/27/2013	2.8 U	10 J	8.8 J	13 J	6.5 J	480	830	90	7.6	2.2 U	50	3.5 U	43	3.4 U	--
			4/2/2015	3.3 U	20 U	7.4 U	20 U	9.7 U	830	1400	180	14	2.6 U	72	4.1 U	130	4.1 U	15 U
SSV-04A	14.5		8/27/2013	5.1 U	120	32 J	95	37	210	340	55	6.3 U	4.1 U	31	6.5 U	32	6.3 U	--
			4/2/2015	3.4 U	8.9 U	4.6 U	9.6 U	4.6 U	620	900	110	7.5	2.7 U	46	4.2 U	84	4.2 U	15 U
SSV-05A	8		4/2/2015	3.5 U	12 U	5.8 U	14 U	6.9 U	40	96	16	4.4 U	2.8 U	14	4.5 U	12	4.4 U	16 U
SSV-06A	8		4/2/2015	3.5 U	8.3 U	5 U	12 U	6 U	55	100	16	4.3 U	2.8 U	14	4.4 U	11	4.3 U	16 U
			1/28/2016	0.66 U	0.93	0.89 U	0.89 U	0.89 U	12	22	1.8	0.82 U	0.53 U	3.5	0.83 U	1.6	0.82 U	0.74 U
SSV-07A	18		4/2/2015	3.4 U	10 U	16 U	43 U	14 U	690	1100	120	11	2.7 U	70	4.3 U	100	4.2 U	170
SSV-08A	8		4/2/2015	3.6 U	6.5 U	4.9 U	8.6 U	4.9 U	170	200	22	4.4 U	2.9 U	11	4.5 U	62	4.4 U	16 U
			8/2/2017	0.58 J	12	2.1 U	4.2 U	1.6 U	470	330	25	1.1 U	0.42 U	32	1.8 J	330	6.5	4.4 U
			1/18/2018	0.99 J	8.5	12	46	20	230	250	19	1.3 U	0.51 J	23	0.73 U	170	2.8	4.8 U
			8/2/2018	2.1 U	2.5 U	2.8 U	23 U	11 U	280	270	18	2.6 U	1.7 U	15	2.6 U	85	2.6 U	47 U
			1/23/2019	3.6 U	4.2 U	4.9 U	39 U	20 U	230	200	6.7	4.5 U	2.9 U	9.8	4.6 U	45	4.5 U	81 U
SSV-09A	8		4/2/2015	3.5 U	13 U	7.3 U	16 U	7.9 U	92	160	24	4.3 U	2.8 U	14	4.4 U	42	4.3 U	16 U
SSV-10A	8		4/2/2015	3.6 U	8.2 U	4.9 U	12 U	5.6 U	120	240	43	4.5 U	2.9 U	22	4.6 U	27	4.5 U	16 U
			1/28/2016	0.89	9.6	2.1	6.2	2	51	110	24	2.4	0.55 U	11	0.88 U	7.2	0.86 U	1.8
SSV-11A	8		4/2/2015	3.5 U	11 U	5.6 U	13 U	6 U	82	150	22	4.4 U	2.8 U	19	4.5 U	21	4.4 U	16 U
SSV-12A	8		4/2/2015	3.4 U	7.4 U	4.7 U	9.7 U	4.7 U	53	85	9	4.3 U	2.8 U	14	4.4 U	7.8	4.3 U	16 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Benzene	Toluene	Ethylbenzene	M,P-Xylene	O-Xylene (1,2-Dimethylbenzene)	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dioxane (P-Dioxane)
			Risk Based Clean-up Levels	**420**	**1300000**	**4900**	**440000**	**440000**	**2100**	**3000**	**31000**	**260000**	**160**	**22000000**	**580**	**7700**	**880000**	**1600**
Deep Soil Vapor																		
SVP-01A	20		12/16/2016	70	7.3 J	4.9 U	1.9 J	1.4 J	8900	71000	17000	1300	1000	850	23	2100	140	16 U
			8/2/2017	81	3.8	1.8 U	3.7 U	1.5 U	6100	42000	10000	910	1100	530	0.58 U	1300	280	3.8 U
			1/18/2018	5.4 U	27 U	34 U	69 U	27 U	4400	43000	2900	36 J	7 U	210	11 U	600	48	72 U
		X	8/2/2018	2.6	2.3 U	2.7 U	21 U	11 U	4500	32000	4400	220	7	490	15	620	47	44 U
			8/2/2018	3.1	2.4 U	2.8 U	22 U	11 U	4500	31000	4200	210	7.7	520	16	560	46	46 U
			1/23/2019	110 U	130 U	150 U	1200 U	610 U	6600	65000	6300	160	90 U	320	140 U	830	140 U	2500 U
SVP-02A	20		12/16/2016	81	3.4 J	1.3	3.6 J	2.4 J	1500	370	91	12	600	13	5.1	230	10	1.3 U
			8/2/2017	0.36 U	1.8 U	2.3 U	4.6 U	1.8 U	990	380	13	4	0.46 U	34	11	72	2.5 J	4.8 U
			1/18/2018	0.33 U	1.7 U	2.1 U	4.2 U	1.7 U	530	170	4.4	1.3 J	0.43 U	14	6.3	46	0.57 J	4.4 U
			8/2/2018	2.7 U	3.2 U	3.7 U	30 U	15 U	86	31	3.4 U	3.4 U	2.2 U	3.2 J	3.4 U	5.7	3.4 U	61 U
			1/23/2019	1.6 U	0.83 J	2.2 U	17 U	8.7 U	770	360	7.3 0	2 U	1.3 U	20	2 U	110	1.6 J	47
SVP-03A	20		12/16/2016	6100	150	11	81	120	58000	35000	58000	1800	15000	1200	910	15000	850	18 U
			8/2/2017	3300	91	12	72	120	38000	20000	33000	870	13000	1100	810	8700	710	11 U
			1/18/2018	1400	54 U	68 U	140 U	54 U	20000	8900	12000	270	14 U	460	390	5800	15 U	140 U
			8/2/2018	1800	27	25 U	200 U	60 J	32000	14000	13000	280	3700	790	640	7300	350	410 U
			1/23/2019	410	11 J	24 U	190 U	96 U	6400	4300	2300	51	840	180	120	1600	78	400 U

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
All values are in micrograms per meter cubed with the exception of Helium (percent)
ft bgs = feet below ground surface
NA = not analyzed
NS = no standard
Dup = field duplicate
ESLs = Environmental Screening Levels
Grey scale values indicate detections at or below the reportable detection limit
Subslab vapor values shaded gray are detections above the Risk-Based Cleanup Levels
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Styrene	Benzyl Chloride	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	N-Butylbenzene	1,4-Dichlorobenzene	1,2-Dibromoethane (Ethylene Dibromide)	Vinyl Acetate	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	Isopropyl Ether	1,3,5-Trimethylbenzene (Mesitylene)	Chlorobenzene
			Risk Based Clean-up Levels	**3900000**	**--**	**770**	**770**	**--**	**--**	**170**	**--**	**13000000**	**--**	**--**	**4400000**
Subslab Soil Vapor															
SSV-01A	22.5		8/27/2013	11 U	13 U	11 U	11 U	--	15 U	19 U	8.8 U	10 U	--	12 U	12 U
		X	4/2/2015	8.8 U	11 U	9.4 U	9.4 U	--	12 U	16 U	--	8.5 U	--	10 U	9.6 U
			4/2/2015	8.8 U	11 U	9.4 U	9.4 U	--	12 U	16 U	--	8.5 U	--	10 U	9.6 U
		X	1/28/2016	4.6 U	5.6 U	4.9 U	4.9 U	--	6.6 U	8.4 U	--	4.5 U	--	5.4 U	5 U
			1/28/2016	4.6 U	5.6 U	4.9 U	4.9 U	--	6.5 U	8.3 U	--	4.4 U	--	5.3 U	5 U
			12/16/2016	5.4 U	6.5 U	0.57 U	0.57 U	--	1.5 U	0.97 U	4.4 U	6.2	--	6.2 U	5.8 U
		X	8/2/2017	2.1 U	3.2 U	1.7 U	1.5 U	2.4 UJ	2.3 U	1.6 U	5 J	5.5 U	5.2 U	2.5 UJ	0.62 U
			8/2/2017	2.2 U	3.3 U	1.8 U	1.6 U	13 J	2.4 U	1.7 U	5.4 J	5.8 U	5.4 U	17 J	0.65 U
		X	1/18/2018	2.4 J	2.6 U	1.4 U	1.2 U	2 U	1.9 U	1.3 U	4 U	24 J	4.2 U	4.4	0.5 U
			1/18/2018	1.7 U	2.6 U	1.4 U	1.2 U	2 U	1.9 U	1.3 U	4 U	11 J	4.2 U	3.2	0.5 U
			8/2/2018	6.4 U	10 U	2.3 U	4.5 U	27 U	3 U	3.8 U	7 U	6.1 U	8.4 U	4.9 U	2.3 U
		X	1/23/2019	6.4 U	10 U	2.3 U	4.5 U	27 U	3 U	3.8 U	7 U	6.1 U	8.4 U	4.9 U	2.3 U
			1/23/2019	6.4 U	10 U	2.3 U	4.5 U	27 U	3 U	3.8 U	7 U	6.1 U	8.4 U	4.9 U	2.3 U
SSV-02A	14.5		8/27/2013	42 U	52 U	45 U	45 U	--	60 U	77 U	35 U	41 U	--	49 U	46 U
			4/2/2015	4.4 U	5.4 U	4.7 U	4.7 U	--	6.2 U	8 U	--	4.3 U	--	5.1 U	4.8 U
			1/28/2016	1.7 U	2.1 U	1.8 U	1.8 U	--	2.4 U	3.1 U	--	1.6 U	--	2 U	1.8 U
			12/16/2016	4.3 U	5.2 U	0.46 U	0.46 U	--	0.31 J	0.77 U	3.5 U	3.6 J	--	15	4.6 U
			8/2/2017	2.1 U	3.2 U	1.7 U	1.5 U	2.5 U	2.3 U	1.6 U	4.9 U	5.5 U	5.2 U	2.5 U	0.63 U
			1/18/2018	2.1 U	3.2 U	1.7 U	1.6 U	2.5 U	2.3 U	1.6 U	5 U	8.2 J	5.3 U	2.8 J	0.63 U
			8/2/2018	13 U	21 U	4.7 U	9.4 U	57 U	6.2 U	8 U	15 U	13 U	17 U	10 U	4.8 U
			1/23/2019	6.4 U	10 U	2.3 U	4.5 U	27 U	3 U	3.8 U	7 U	6.1 U	8.4 U	4.9 U	2.3 U
SSV-03A	14.5	X	8/27/2013	3.7 U	4.5 U	3.9 U	3.9 U	--	5.2 U	6.7 U	3.1 U	3.6 U	--	4.3 U	4 U
			8/27/2013	3.7 U	4.5 U	3.9 U	3.9 U	--	5.2 U	6.7 U	3.1 U	3.6 U	--	4.3 U	4 U
			4/2/2015	4.4 U	5.3 U	4.6 U	4.6 U	--	6.2 U	7.9 U	--	4.2 U	--	5 U	4.7 U
SSV-04A	14.5		8/27/2013	6.8 U	8.3 U	7.3 U	7.3 U	--	9.6 U	12 U	5.6 U	6.6 U	--	8	7.4 U
			4/2/2015	4.5 U	5.4 U	4.8 U	4.8 U	--	6.3 U	8.1 U	--	4.3 U	--	5.2 U	4.8 U
SSV-05A	8		4/2/2015	4.7 U	5.7 U	5 U	5 U	--	6.7 U	8.5 U	--	4.5 U	--	5.4 U	5.1 U
SSV-06A	8		4/2/2015	4.6 U	5.6 U	4.9 U	4.9 U	--	6.5 U	8.3 U	--	4.4 U	--	5.3 U	5 U
			1/28/2016	0.88 U	1.1 U	0.93 U	0.93 U	--	1.2 U	1.6 U	--	0.84 U	--	1 U	0.95 U
SSV-07A	18		4/2/2015	4.6 U	5.5 U	4.8 U	4.8 U	--	6.4 U	8.2 U	--	4.4 U	--	5.3 U	4.9 U
SSV-08A	8		4/2/2015	4.8 U	5.8 U	5.1 U	5.1 U	--	6.7 U	8.6 U	--	4.6 U	--	5.5 U	5.2 U
			8/2/2017	1.9 U	2.9 U	1.5 U	1.4 U	2.2 U	2.1 U	1.4 U	4.4 U	4.9 U	4.7 U	2.2 U	0.56 U
			1/18/2018	2.1 U	3.2 U	1.7 U	1.5 U	2.4 U	2.3 U	1.6 U	4.8 U	8.6	5.2 U	2.7 J	0.62 U
			8/2/2018	8.3 U	13 U	3 U	5.9 U	36 U	3.9 U	5 U	9.2 U	8 U	11 U	6.4 U	3 U
			1/23/2019	14 U	23 U	5.1 U	10 U	62 U	6.8 U	8.6 U	16 U	14 U	19 U	11 U	5.2 U
SSV-09A	8		4/2/2015	4.7 U	5.7 U	5 U	5 U	--	6.6 U	8.4 U	--	4.5 U	--	5.4 U	5 U
SSV-10A	8		4/2/2015	4.8 U	5.8 U	5.1 U	5.1 U	--	6.8 U	8.7 U	--	4.6 U	--	5.6 U	5.2 U
			1/28/2016	0.92 U	1.1 U	0.98 U	0.98 U	--	1.3 U	1.7 U	--	0.89 U	--	1.1 U	1 U
SSV-11A	8		4/2/2015	4.7 U	5.7 U	5 U	5 U	--	6.6 U	8.5 U	--	4.5 U	--	5.4 U	5.1 U
SSV-12A	8		4/2/2015	4.6 U	5.6 U	4.9 U	4.9 U	--	6.5 U	8.3 U	--	4.4 U	--	5.3 U	5 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Styrene	Benzyl Chloride	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	N-Butylbenzene	1,4-Dichlorobenzene	1,2-Dibromoethane (Ethylene Dibromide)	Vinyl Acetate	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	Isopropyl Ether	1,3,5-Trimethylbenzene (Mesitylene)	Chlorobenzene
			Risk Based Clean-up Levels	**3900000**	**--**	**770**	**770**	**--**	**--**	**170**	**--**	**13000000**	**--**	**--**	**4400000**
Deep Soil Vapor															
SVP-01A	20		12/16/2016	48 U	58 U	5.1 U	5.1 U	--	13 U	8.6 U	40 U	46 U	--	55 U	52 U
			8/2/2017	1.7 U	2.5 U	1.3 U	1.2 U	1.9 U	1.8 U	1.3 U	3.9 U	4.4 U	4.1 U	2 U	6.9
			1/18/2018	31 U	47 U	25 U	23 U	36 U	34 U	23 U	72 U	82 U	77 U	37 U	9.2 U
		X	8/2/2018	7.8 U	13 U	2.8 U	5.6 U	34 U	3.7 U	4.7 U	8.6 U	7.5 U	10 U	6 U	5.5
			8/2/2018	8.1 U	13 U	2.9 U	5.8 U	35 U	3.8 U	4.9 U	9 U	7.8 U	11 U	6.3 U	5.4
			1/23/2019	450 U	730 U	160 U	320 U	1900 U	210 U	270 U	490 U	430 U	590 U	340 U	160 U
SVP-02A	20		12/16/2016	3.9 U	4.7 U	0.42 U	0.42 U	--	1.8	0.7 U	3.2 U	3.7 U	--	4.5 U	4.2 U
			8/2/2017	2 U	3.1 U	1.7 U	1.5 U	2.4 U	2.3 U	1.6 U	4.8 U	5.4 U	5.1 U	2.4 U	0.61 U
			1/18/2018	1.9 U	2.9 U	1.5 U	1.4 U	2.2 U	2.1 U	1.4 U	4.5 U	5 U	4.7 U	2.3 U	0.57 U
			8/2/2018	11 U	18 U	3.9 U	7.7 U	47 U	5.1 U	6.5 U	12 U	10 U	14 U	8.4 U	3.9 U
			1/23/2019	6.4 U	10 U	2.3 U	4.5 U	27 U	3 U	3.8 U	7 U	6.1 U	8.4 U	4.9 U	2.3 U
SVP-03A	20		12/16/2016	54 U	65 U	5.7 U	5.7 U	--	15 U	9.7 U	44 U	52 U	--	62 U	230
			8/2/2017	5 U	7.5 U	4 U	3.6 U	5.8 U	5.5 U	3.8 U	12 U	13 U	12 U	5.9 U	270
			1/18/2018	62 U	94 U	50 U	45 U	72 U	68 U	47 U	140 U	160 U	150 U	74 U	110
			8/2/2018	73 U	120 U	26 U	52 U	310 U	34 U	44 U	80 U	70 U	95 U	56 U	200
			1/23/2019	71 U	110 U	25 U	50 U	300 U	33 U	43 U	78 U	68 U	93 U	55 U	44

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
All values are in micrograms per meter cubed with the exception of Helium (percent)
ft bgs = feet below ground surface
NA = not analyzed
NS = no standard
Dup = field duplicate
ESLs = Environmental Screening Levels
Grey scale values indicate detections at or below the reportable detection limit
Subslab vapor values shaded gray are detections above the Risk-Based Cleanup Levels
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	1,2,4-Trichlorobenzene	Dibromochloromethane	Sec-Butylbenzene	Tert-Butyl Methyl Ether	1,3-Dichlorobenzene	Carbon Tetrachloride	2-Hexanone	4-Ethyltoluene	Ethyl Tert-Butyl Ether	Isopropanol
			Risk Based Clean-up Levels	**18000**	**--**	**--**	**47000**	**--**	**290**	**--**	**--**	**--**	**--**
Subslab Soil Vapor													
SSV-01A	22.5		8/27/2013	19 U	21 U	--	9 U	15 U	16 U	10 U	12 U	--	1000 J
		X	4/2/2015	62 U	18 U	--	7.5 U	12 U	13 U	34 U	10 U	--	55 U
			4/2/2015	62 U	18 U	--	7.5 U	12 U	13 U	34 U	10 U	--	56 U
		X	1/28/2016	40 U	9.3 U	--	3.9 U	6.6 U	6.8 U	22 U	5.4 U	--	13 U
			1/28/2016	40 U	9.2 U	--	3.9 U	6.5 U	6.8 U	22 U	5.3 U	--	13 U
			12/16/2016	9.4 U	11 U	--	0.77 J	1.1 J	0.84	4.8 J	6.2 U	--	74
		X	8/2/2017	14 U	1.3 U	1.9 U	3.3 U	2.5 U	1 J	4.5 U	2.2 UJ	5.1 U	3.5 U
			8/2/2017	15 U	1.4 U	3.6 J	3.4 U	2.6 U	1 J	4.7 U	23 J	5.3 U	3.6 U
		X	1/18/2018	12 U	1 U	1.5 U	2.6 U	2 U	0.95 J	3.6 U	6	4.1 U	5.2 J
			1/18/2018	12 U	1 U	1.5 U	2.6 U	2 U	0.87 J	3.6 U	4.3	4.1 U	4.1 J
			8/2/2018	15 U	4.3 U	27 U	7.2 U	3 U	1.1 J	6.1 U	4.9 U	8.4 U	12 U
		X	1/23/2019	15 U	4.3 U	27 U	7.2 U	3 U	3.1 U	6.1 U	4.9 U	8.4 U	6.1 J
			1/23/2019	15 U	4.3 U	27 U	7.2 U	3 U	3.1 U	6.1 U	4.9 U	8.4 U	16
SSV-02A	14.5		8/27/2013	74 U	85 U	--	36 U	60 U	63 U	41 U	49 U	--	4500
			4/2/2015	31 U	8.8 U	--	3.7 U	6.2 U	6.5 U	17 U	5.1 U	--	88 U
			1/28/2016	15 U	3.4 U	--	1.4 U	2.4 U	2.5 J	8.2 U	2 U	--	4.9
			12/16/2016	7.5 U	8.6 U	--	3.6 U	1 J	0.51 J	1.9 J	10	--	2.7 J
			8/2/2017	14 U	1.3 U	1.9 U	3.3 U	2.5 U	0.99 J	4.5 U	2.2 U	5.1 U	3.5 U
			1/18/2018	14 U	1.3 U	1.9 U	3.3 U	2.5 U	1.2 J	4.5 U	3.9	5.1 U	4.2 J
			8/2/2018	31 U	8.8 U	57 U	15 U	6.2 U	6.5 U	13 U	10 U	17 U	25 U
			1/23/2019	15 U	4.3 U	27 U	7.2 U	3 U	1.3 J	6.1 U	4.9 U	8.4 U	5.6 J
SSV-03A	14.5	X	8/27/2013	6.5 U	7.4 U	--	3.1 U	5.2 U	5.5 U	3.6 U	4.3 U	--	190 J
			8/27/2013	6.5 U	7.4 U	--	3.1 U	5.2 U	5.5 U	3.6 U	4.3 U	--	110 J
			4/2/2015	30 U	8.7 U	--	3.7 U	6.2 U	6.4 U	17 U	5 U	--	66 U
SSV-04A	14.5		8/27/2013	12 U	14 U	--	5.8 U	9.6 U	10 U	6.6 U	7.9 U	--	730 J
			4/2/2015	31 U	8.9 U	--	3.8 U	6.3 U	6.6 U	17 U	5.2 U	--	59 U
SSV-05A	8		4/2/2015	33 U	9.4 U	--	4 U	6.7 U	7 U	18 U	5.4 U	--	130 U
SSV-06A	8		4/2/2015	32 U	9.2 U	--	3.9 U	6.5 U	6.8 U	18 U	5.3 U	--	78 U
			1/28/2016	7.6 U	1.8 U	--	0.74 U	1.2 U	1.3 U	4.2 U	1 U	--	3.8
SSV-07A	18		4/2/2015	32 U	9.1 U	--	3.8 U	6.4 U	6.7 U	18 U	5.3 U	--	280 U
SSV-08A	8		4/2/2015	33 U	9.5 U	--	4 U	6.7 U	7 U	18 U	5.5 U	--	62 U
			8/2/2017	13 U	1.2 U	1.7 U	2.9 U	2.2 U	1.1 J	4 U	2 U	4.5 U	3.1 U
			1/18/2018	14 U	1.3 U	1.9 U	3.2 U	2.5 U	0.82 U	4.4 U	4.1	5 U	3.4 U
			8/2/2018	19 U	5.5 U	36 U	9.4 U	3.9 U	4.1 U	8 U	6.4 U	11 U	16 U
			1/23/2019	33 U	9.6 U	62 U	16 U	6.8 U	7.1 U	14 U	11 U	19 U	28 U
SSV-09A	8		4/2/2015	32 U	9.3 U	--	3.9 U	6.6 U	6.9 U	18 U	5.4 U	--	200 U
SSV-10A	8		4/2/2015	34 U	9.6 U	--	4.1 U	6.8 U	7.1 U	18 U	5.6 U	--	90 U
			1/28/2016	8 U	1.8 U	--	0.78 U	1.3 U	1.4 U	4.4 U	1 J	--	4.2
SSV-11A	8		4/2/2015	33 U	9.4 U	--	4 U	6.6 U	7 U	18 U	5.4 U	--	100 U
SSV-12A	8		4/2/2015	32 U	9.2 U	--	3.9 U	6.5 U	6.8 U	18 U	5.3 U	--	110 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	1,2,4-Trichlorobenzene	Dibromochloromethane	Sec-Butylbenzene	Tert-Butyl Methyl Ether	1,3-Dichlorobenzene	Carbon Tetrachloride	2-Hexanone	4-Ethyltoluene	Ethyl Tert-Butyl Ether	Isopropanol
			Risk Based Clean-up Levels	**18000**	**--**	**--**	**47000**	**--**	**290**	**--**	**--**	**--**	**--**
Deep Soil Vapor													
SVP-01A	20		12/16/2016	83 U	96 U	--	40 U	67 U	7.1 U	46 U	55 U	--	110 U
			8/2/2017	11 U	1 U	1.5 U	2.6 U	2 U	0.66 U	3.5 U	1.7 U	4 U	2.7 U
			1/18/2018	210 U	19 U	28 U	48 U	37 U	12 U	66 U	33 U	75 U	51 U
		X	8/2/2018	18 U	5.2 U	34 U	8.8 U	3.7 U	1.8 J	7.5 U	6 U	10 U	15 U
			8/2/2018	19 U	5.4 U	35 U	9.2 U	3.8 U	1.8 J	7.8 U	6.3 U	11 U	12 J
			1/23/2019	1000 U	300 U	1900 U	510 U	210 U	220 U	430 U	340 U	590 U	860 U
SVP-02A	20		12/16/2016	6.8 U	7.8 U	--	3.3 U	0.35 J	0.58 U	3.7 U	4.5 U	--	0.76 J
			8/2/2017	14 U	1.3 U	1.8 U	3.2 U	2.4 U	0.96 J	4.4 U	2.2 U	5 U	3.4 U
			1/18/2018	13 U	1.2 U	1.7 U	3 U	2.3 U	0.75 U	4.1 U	2 U	4.6 U	3.2 U
			8/2/2018	25 U	7.2 U	47 U	12 U	5.1 U	5.3 U	10 U	8.4 U	14 U	27
			1/23/2019	15 U	4.3 U	27 U	7.2 U	3 U	1.3 J	6.1 U	4.9 U	8.4 U	5.6 J
SVP-03A	20		12/16/2016	94 U	110 U	--	45 U	76 U	7.9 U	52 U	62 U	--	26 J
			8/2/2017	34 U	3.1 U	4.5 U	7.7 U	5.9 U	2 U	11 U	5.2 U	12 U	8.2 U
			1/18/2018	420 U	38 U	56 U	96 U	73 U	25 U	130 U	65 U	150 U	100 U
			8/2/2018	170 U	48 U	310 U	82 U	34 U	36 U	70 U	56 U	95 U	140 U
			1/23/2019	160 U	47 U	300 U	80 U	33 U	35 U	68 U	55 U	93 U	590 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Acetone	Chloroform	Bromomethane	Chloromethane	Chloroethane	Methylene Chloride	Carbon Disulfide	Bromoform	Bromodichloromethane	1,1-Difluoroethane	Tert-Butyl Alcohol	Trichlorofluoromethane	Dichlorodifluoromethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2-Dichlorotetrafluoroethane
			Risk Based Clean-up Levels	**140000000**	**2300**	**22000**	**390000**	**130000000**	**26000**	**--**	**11000**	**330**	**--**	**--**	**--**	**--**	**--**	**--**
Subslab Soil Vapor																		
SSV-01A	22.5		8/27/2013	3800	450	9.7 U	5.2 U	6.6 U	8.7 U	7.8 U	26 U	17 U	--	--	14 U	12 U	19 U	18 U
		X	4/2/2015	49 U	400	80 U	43 U	22 U	72 U	26 U	21 U	14 U	--	--	12 U	10 U	16 U	14 U
			4/2/2015	49 U	410	80 U	43 U	22 U	72 U	26 U	21 U	14 U	--	--	12 U	10 U	19	14 U
		X	1/28/2016	13 U	260	21 U	11 U	14 U	7.6 U	17 U	11 U	7.3 U	--	--	6.1 U	5.4 U	26	7.6 U
			1/28/2016	13 U	250	21 U	11 U	14 U	7.5 U	17 U	11 U	7.2 U	--	--	6.1 U	5.3 U	24	7.6 U
			12/16/2016	1400	9.8	4.9 U	0.52 J	2.1 J	4.2	3.9 U	1.3 U	0.84 U	--	--	1.2 J	1.8 J	2.4 J	8.8 U
		X	8/2/2017	25	22	1.4 U	2.9 J	1.3 J	5.2 U	3.2 U	4.2 U	0.85 U	4 U	12	6.2 U	2.9 J	7.7 J	8 U
			8/2/2017	22	21	1.4 U	0.53 J	1.2 U	5.4 U	3.3 U	4.4 U	0.89 U	4.2 U	9.5	6.5 U	2.8 J	7.6 J	8.4 U
		X	1/18/2018	170 J	41	1.1 U	0.43 J	0.94 U	4.2 U	2.5 U	3.4 U	0.69 U	3.2 U	8	5 U	2.4 J	6.2 J	6.5 U
			1/18/2018	120 J	38	1.1 U	0.43 J	0.94 U	4.2 U	2.5 U	3.4 U	0.69 U	3.2 U	5.6 U	5 U	2.3 J	5.4 J	6.5 U
			8/2/2018	8.3	49	1.9 U	2.1 U	1.3 U	17 U	6.2 U	5.2 U	3.4 U	5.5	6.1 U	1.8 J	2.4 J	11 U	14 U
		X	1/23/2019	11 J	13 J	1.9 U	2.1 U	1.3 U	17 U	6.2 U	5.2 U	3.4 U	5.4 U	6.1 U	1.5 J	2.6	11 U	14 U
			1/23/2019	23 J	17 J	1.9 U	2.1 U	1.3 U	17 U	6.2 U	5.2 U	3.4 U	5.4 U	2.3 J	1.6 J	2.7	11 U	14 U
SSV-02A	14.5		8/27/2013	4100	60	39 U	21 U	26 U	35 U	31 U	100 U	67 U	--	--	56 U	49 U	76 U	70 U
			4/2/2015	33 U	74	40 U	21 U	11 U	36 U	13 U	11 U	7 U	--	--	5.8 U	5.1 U	11	7.3 U
			1/28/2016	13	75	7.8 U	4.2 U	5.3 U	2.8 U	6.2 U	4.2 U	2.7 U	--	--	2.2 U	2	15	2.8 U
			12/16/2016	340	5.4	3.9 U	2.1 U	2.2 J	0.72 J	4	1 U	0.67 U	--	--	0.99 J	1.7 J	7.7 U	7 U
			8/2/2017	22	14	1.4 U	0.4 U	1.6 J	5.2 U	3.2 U	4.2 U	0.85 U	4 U	17	6.3 U	2.9 J	6.6 U	8 U
			1/18/2018	110	35	1.4 U	0.41 U	2.8	5.2 U	3.2 U	4.3 U	0.86 U	4 U	7 U	6.4 U	2.7 J	11 J	8.1 U
			8/2/2018	8.6 J	10	4 U	4.3 U	2.7 U	36 U	13 U	11 U	6.9 U	11 U	13 U	12 U	2.5 J	24 U	29 U
			1/23/2019	5.5	18	1.9 U	2.1 U	1.3 U	17 U	6.2 U	5.2 U	3.4 U	5.4 U	2.3 J	1.7 J	2.7	11 U	14 U
SSV-03A	14.5	X	8/27/2013	81 J	140	3.4 U	1.8 U	2.3 U	3 U	2.7 U	9 U	5.8 U	--	--	4.9 U	4.3 U	6.7 U	6.1 U
			8/27/2013	81 J	140	3.4 U	1.8 U	2.3 U	3 U	2.7 U	9 U	5.8 U	--	--	4.9 U	4.3 U	6.7 U	6.1 U
			4/2/2015	49 U	290	40 U	21 U	11 U	36 U	13 U	10 U	6.9 U	--	--	5.8 U	5.1 U	13	7.2 U
SSV-04A	14.5		8/27/2013	1700	56	6.2 U	3.3 U	4.2 U	5.6 U	5 U	17 U	11 U	--	--	9 U	7.9 U	12 U	11 U
			4/2/2015	25 U	160	41 U	22 U	11 U	36 U	13 U	11 U	7 U	--	--	5.9 U	5.2 U	14	7.3 U
SSV-05A	8		4/2/2015	26 U	17	43 U	23 U	12 U	38 U	14 U	11 U	7.4 U	--	--	6.2 U	5.5 U	8.5 U	7.8 U
SSV-06A	8		4/2/2015	26 U	16	42 U	22 U	11 U	38 U	14 U	11 U	7.3 U	--	--	6.1 U	5.4 U	8.3 U	7.6 U
			1/28/2016	5.8	4.5	4 U	2.1 U	2.7 U	1.4 U	3.3	2.1 U	1.4 U	--	--	1.2 U	1.8	1.6 U	1.4 U
SSV-07A	18		4/2/2015	91 U	220	42 U	22 U	11 U	37 U	13 U	11 U	7.2 U	--	--	6 U	5.3 U	9.6	7.5 U
SSV-08A	8		4/2/2015	27 U	25	43 U	23 U	12 U	39 U	14 U	12 U	7.5 U	--	--	6.3 U	5.5 U	8.6 U	7.8 U
			8/2/2017	41	16	1.2 U	0.36 U	10	4.6 U	2.8 U	3.8 U	0.76 U	3.6 U	6.2 U	5.6 U	3	5.9 U	7.2 U
			1/18/2018	100	20	1.3 U	0.63 J	8.2	5.1 U	3.1 U	4.2 U	0.84 U	5.1 J	6.8 U	6.2 U	2.1 J	6.5 U	7.9 U
			8/2/2018	18	16	2.5 U	2.7 U	2.1	23 U	8.1 U	6.7 U	4.4 U	7.2	7.9 U	1.5 J	2.2 J	15 U	18 U
			1/23/2019	11 U	18	4.4 U	4.6 U	3 U	39 U	14 U	12 U	7.5 U	12 U	14 U	13 U	2.9 J	26 U	31 U
SSV-09A	8		4/2/2015	48 U	30	42 U	23 U	12 U	38 U	14 U	11 U	7.3 U	--	--	6.2 U	5.4 U	8.4 U	7.6 U
SSV-10A	8		4/2/2015	27 U	34	44 U	23 U	12 U	39 U	14 U	12 U	7.6 U	--	--	6.3 U	5.6 U	8.7 U	7.9 U
			1/28/2016	28	18	4.2 U	2.2 U	2.9 U	1.5 U	3.4 U	2.2 U	1.4 U	--	--	1.3	2.3	1.7 U	1.5 U
SSV-11A	8		4/2/2015	35 U	26	43 U	23 U	12 U	38 U	14 U	11 U	7.4 U	--	--	6.2 U	5.5 U	8.5 U	7.7 U
SSV-12A	8		4/2/2015	27 U	17	42 U	22 U	11 U	38 U	13 U	11 U	7.2 U	--	--	6.1 U	5.3 U	8.3 U	7.6 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	Acetone	Chloroform	Bromomethane	Chloromethane	Chloroethane	Methylene Chloride	Carbon Disulfide	Bromoform	Bromodichloromethane	1,1-Difluoroethane	Tert-Butyl Alcohol	Trichlorofluoromethane	Dichlorodifluoromethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2-Dichlorotetrafluoroethane
			Risk Based Clean-up Levels	**140000000**	**2300**	**22000**	**390000**	**130000000**	**26000**	**--**	**11000**	**330**	**--**	**--**	**--**	**--**	**--**	**--**
Deep Soil Vapor																		
SVP-01A	20		12/16/2016	110 U	1500	44 U	23 U	30 U	8.6 J	35 U	12 U	7.5 U	--	--	63 U	55 U	86 U	78 U
			8/2/2017	2.8 U	960	1.1 U	0.32 U	0.92 U	13 J	2.5 U	3.3 U	0.67 U	3.1 U	5.9 J	4.9 U	1.4 J	7.1 J	6.3 U
			1/18/2018	52 U	540	20 U	5.9 U	17 U	76 U	47 U	63 U	13 U	59 U	100 U	92 U	21 U	97 U	120 U
		X	8/2/2018	5.9	710	2.4 U	2.5 U	1.6 U	5 J	14	6.3 U	4.1 U	6.6 U	7.4 U	4.4 J	1.6 J	14 U	17 U
			8/2/2018	6.1 U	670	2.5 U	2.6 U	1.7 U	4.9 J	7.9 U	6.6 U	4.3 U	6.9 U	7.7 U	4.4 J	1.9 J	15 U	18 U
			1/23/2019	330 U	820	140 U	140 U	92 U	1200 U	440 U	360 U	230 U	380 U	430 U	390 U	170 U	810 U	980 U
SVP-02A	20		12/16/2016	3.5 J	14	1.2 J	1.9 U	260	1.1 U	0.58 J	0.95 U	0.61 U	--	--	1 J	2.1 J	7 U	6.4 U
			8/2/2017	8.6	90	1.3 U	0.72 J	1.1 U	5.1 U	6.4 J	4.1 U	0.83 U	3.9 U	6.7 U	6.1 U	2.3 J	6.4 U	7.8 U
			1/18/2018	14	58	1.2 U	0.42 J	1.1 U	4.7 U	2.9 U	3.8 U	0.77 U	3.6 U	6.3 U	5.7 U	2.4 J	6 U	7.3 U
			8/2/2018	25	14	3.3 U	1.7 J	2.2 U	30 U	11 U	8.8 U	5.7 U	9.2 U	10 U	2.4 J	3.9 J	20 U	24 U
			1/23/2019	5.5	18	1.9 U	2.1 U	1.3 U	17 U	6.2 U	5.2 U	3.4 U	5.4 U	2.3 J	1.7 J	2.7 0	11 U	14 U
SVP-03A	20		12/16/2016	48 J	1200	49 U	26 U	13000	650	39 U	13 U	8.4 U	--	--	26 J	62 U	23 J	88 U
			8/2/2017	8.4 U	880	3.2 U	0.94 U	8600	470	8.9 J	10 U	2 U	9.4 U	730	15 J	8.1	20 J	19 U
			1/18/2018	100 U	320	40 U	12 U	35 U	150 U	93 U	130 U	25 U	120 U	200 U	180 U	42 U	190 U	240 U
			8/2/2018	54 U	490	22 U	23 U	6800	140 J	71 U	59 U	38 U	61 U	69 U	14 J	28 U	130 U	160 U
			1/23/2019	42 J	100	22 U	23 U	980	190 U	69 U	57 U	37 U	60 U	67 U	62 U	27 U	130 U	160 U

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
All values are in micrograms per meter cubed with the exception of Helium (percent)
ft bgs = feet below ground surface
NA = not analyzed
NS = no standard
Dup = field duplicate
ESLs = Environmental Screening Levels
Grey scale values indicate detections at or below the reportable detection limit
Subslab vapor values shaded gray are detections above the Risk-Based Cleanup Levels
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	1,2-Dichloropropane	Methyl Ethyl Ketone (2-Butanone)	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	Hexachlorobutadiene	1,2-Dichlorobenzene	1,2,4-Trimethylbenzene	Butane, 2-Methoxy-2-Methyl	Helium
			Risk Based Clean-up Levels	**1200**	**22000000**	**770**	**210**	**--**	**880000**	**--**	**--**	**--**
Subslab Soil Vapor												
SSV-01A	22.5		8/27/2013	12 U	8.6 J	14 U	17 U	27 U	15 U	18	--	--
		X	4/2/2015	9.6 U	24 U	11 U	14 U	88 U	12 U	10 U	--	0.1 U
			4/2/2015	9.6 U	24 U	11 U	14 U	88 U	12 U	10 U	--	0.1 U
		X	1/28/2016	5 U	16 U	5.9 U	7.5 U	58 U	6.6 U	5.4 U	--	0.11 U
			1/28/2016	5 U	16 U	5.9 U	7.4 U	58 U	6.5 U	5.3 U	--	0.11 U
			12/16/2016	0.44 J	86	0.69 U	0.86 U	13 U	7.6 U	1.4 J	--	620 J
		X	8/2/2017	1.1 J	2.8 U	0.85 U	3.6 U	18 U	2.2 U	6.7 UJ	4.5 U	0.00373 U
			8/2/2017	1 J	3.4 J	0.89 U	3.7 U	18 U	2.3 U	83 J	4.7 U	0.00373 U
		X	1/18/2018	1.8 J	2.3 U	0.68 U	2.9 U	14 U	1.8 U	14	3.6 U	0.0142
			1/18/2018	1.8 J	2.3 U	0.68 U	2.9 U	14 U	1.8 U	10	3.6 U	0.0136
			8/2/2018	0.8 J	4.4 U	2.7 U	6.9 U	16 U	3 U	7.4 U	8.4 U	0.025 U
		X	1/23/2019	2.3 U	4.4 U	2.7 U	6.9 U	16 U	3 U	7.4 U	8.4 U	0.0101
			1/23/2019	2.3 U	2.6 J	2.7 U	6.9 U	16 U	3 U	7.4 U	8.4 U	0.01 U
SSV-02A	14.5		8/27/2013	46 U	29 U	54 U	68 U	110 U	60 U	49 U	--	--
			4/2/2015	4.8 U	12	5.7 U	7.1 U	44 U	6.2 U	5.1 U	--	0.1 U
			1/28/2016	1.8 U	5.9 U	2.2 U	2.8 U	21 U	2.4 U	2 U	--	0.1 U
			12/16/2016	0.27 J	20	0.55 U	0.69 U	11 U	6 U	44	--	290 J
			8/2/2017	0.74 J	2.8 U	0.85 U	3.6 U	18 U	2.3 U	6.8 U	4.5 U	0.00373 U
			1/18/2018	0.95 J	2.9 U	0.86 U	3.6 U	18 U	2.3 U	8.9 J	4.5 U	0.018
			8/2/2018	4.8 U	9.2 U	5.6 U	14 U	33 U	6.2 U	15 U	17 U	0.025 U
			1/23/2019	2.3 U	4.4 U	2.7 U	6.9 U	16 U	3 U	7.4 U	8.4 U	0.01 U
SSV-03A	14.5	X	8/27/2013	4 U	2.6 U	4.7 U	6 U	9.3 U	5.2 U	4.3 U	--	--
			8/27/2013	4 U	2.6 U	4.7 U	6 U	9.3 U	5.2 U	4.3 U	--	--
			4/2/2015	4.7 U	20	5.6 U	7 U	44 U	6.2 U	5 U	--	0.1 U
SSV-04A	14.5		8/27/2013	7.4 U	4.7 U	8.7 U	11 U	17 U	130	23	--	--
			4/2/2015	4.8 U	13	5.7 U	7.2 U	45 U	6.3 U	5.2 U	--	0.1 U
SSV-05A	8		4/2/2015	5.1 U	15	6 U	7.6 U	47 U	6.7 U	5.4 U	--	0.11 U
SSV-06A	8		4/2/2015	5 U	13 U	5.9 U	7.4 U	46 U	6.5 U	5.3 U	--	0.11 U
			1/28/2016	0.95 U	3 U	1.1 U	1.4 U	11 U	1.2 U	1 U	--	0.1 U
SSV-07A	18		4/2/2015	4.9 U	13 U	5.8 U	7.3 U	46 U	6.4 U	7.2	--	0.11 U
SSV-08A	8		4/2/2015	5.2 U	13 U	6.1 U	7.7 U	48 U	6.7 U	5.5 U	--	0.11 U
			8/2/2017	0.48 J	5.5	0.76 U	3.2 U	16 U	2 U	6 U	4 U	0.00373 U
			1/18/2018	0.5 U	2.8 U	0.84 U	3.6 U	17 U	2.2 U	8.9 J	4.4 U	0.00952 J
			8/2/2018	3 U	5.8 U	3.6 U	8.9 U	21 U	3.9 U	9.6 U	11 U	0.025 U
			1/23/2019	5.2 U	10 U	6.1 U	15 U	36 U	6.8 U	17 U	19 U	0.01 U
SSV-09A	8		4/2/2015	5.1 U	19	6 U	7.5 U	47 U	6.6 U	5.4 U	--	0.11 U
SSV-10A	8		4/2/2015	5.2 U	13 U	6.2 U	7.8 U	48 U	6.8 U	5.6 U	--	0.11 U
			1/28/2016	1 U	6.3	1.2 U	1.5 U	12 U	1.3 U	1 J	--	0.11 U
SSV-11A	8		4/2/2015	5.1 U	15	6 U	7.6 U	47 U	6.6 U	5.4 U	--	0.11 U
SSV-12A	8		4/2/2015	5 U	13	5.9 U	7.4 U	46 U	6.5 U	5.3 U	--	0.11 U

Table 4
Subslab Vapor and Soil Vapor Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Slab Thickness (inches)	Dup	Sample Date	1,2-Dichloropropane	Methyl Ethyl Ketone (2-Butanone)	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	Hexachlorobutadiene	1,2-Dichlorobenzene	1,2,4-Trimethylbenzene	Butane, 2-Methoxy-2-Methyl	Helium
			Risk Based Clean-up Levels	**1200**	**22000000**	**770**	**210**	**--**	**880000**	**--**	**--**	**--**
Deep Soil Vapor												
SVP-01A	20		12/16/2016	820	33 U	15	7.7 U	120 U	67 U	18 U	--	490 J
			8/2/2017	560	2.2 U	14	2.8 U	14 U	1.8 U	5.3 U	3.5 U	0.00373 U
			1/18/2018	260	42 U	13 U	53 U	260 U	33 U	99 U	66 U	0.0133
		X	8/2/2018	2.8 U	5.4 U	9.8	8.4 U	20 U	3.7 U	9 U	10 U	0.025 U
			8/2/2018	2.9 U	5.6 U	12	8.7 U	20 U	3.8 U	9.4 U	11 U	0.025 U
			1/23/2019	370	310 U	190 U	480 U	1100 U	210 U	520 U	590 U	0.01 U
SVP-02A	20		12/16/2016	4.1	2.7 U	0.29 J	0.63 U	9.8 U	1 J	1.5	--	320 J
			8/2/2017	2.2 J	2.8 U	0.83 U	3.5 U	17 U	2.2 U	6.6 U	4.4 U	0.00373 U
			1/18/2018	0.64 J	2.6 U	0.77 U	3.3 U	16 U	2 U	6.1 U	4.1 U	0.0148
			8/2/2018	3.9 U	7.5 U	4.6 U	12 U	27 U	5.1 U	13 U	14 U	0.025 U
			1/23/2019	2.3 U	4.4 U	2.7 U	6.9 U	16 U	3 U	7.4 U	8.4 U	0.0106
SVP-03A	20		12/16/2016	45	37 U	20	8.6 U	130 U	76 U	21 U	--	400 J
			8/2/2017	36	6.7 U	19	8.5 U	42 U	5.3 U	16 U	11 U	0.00373 U
			1/18/2018	15 U	84 U	25 U	110 U	520 U	66 U	200 U	130 U	0.0108
			8/2/2018	16 J	50 U	31 U	78 U	180 U	34 U	84 U	95 U	0.025 U
			1/23/2019	26 U	49 U	30 U	76 U	180 U	33 U	82 U	93 U	0.01 U

Notes

U = Analyte not detected at or above the stated laboratory reportable detection limit
All values are in micrograms per meter cubed with the exception of Helium (percent)
ft bgs = feet below ground surface
NA = not analyzed
NS = no standard
Dup = field duplicate
ESLs = Environmental Screening Levels
Grey scale values indicate detections at or below the reportable detection limit
Subslab vapor values shaded gray are detections above the Risk-Based Cleanup Levels
J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample

Table 5
Water Levels and Groundwater Elevations
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Well ID	Date	Time	Screened Interval (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water[1] (ft toc)	Groundwater Elevation[2] (ft msl)
MW-01	3/11/16	13:27	7 - 17	15.75	7.18	8.57
	3/16/16	7:30	7 - 17	15.75	6.81	8.94
	12/16/16	8:20	7 - 17	15.75	7.05	8.70
	8/2/17	9:00	7 - 17	15.75	7.54	8.21
	1/18/18	8:50	7 - 17	15.75	7.40	8.35
	8/2/18	9:00	7 - 17	15.75	7.64	8.11
	1/23/19	8:52	7 - 17	15.75	7.18	8.57
MW-02	3/11/16	10:40	7 - 17	15.54	NM	NM
	3/16/16	7:30	7 - 17	15.54	13.18	2.36
	12/16/16	8:31	7 - 17	15.54	7.89	7.65
	8/2/17	9:18	7 - 17	15.54	8.25	7.29
	1/18/18	8:40	7 - 17	15.54	8.12	7.42
	8/2/18	12:10	7 - 17	15.54	8.43	7.11
	1/23/19	8:56	7 - 17	15.54	7.93	7.61
MW-03	NM[3]	NM[3]	7 - 17	15.73	NM[3]	NM
	NM[3]	NM[3]	7 - 17	15.73	NM[3]	NM
	12/16/16	8:39	7 - 17	15.73	7.83	7.90
	8/2/17	9:17	7 - 17	15.73	8.26	7.47
	1/18/18	8:51	7 - 17	15.73	8.34	7.39
	8/2/18	9:05	7 - 17	15.73	8.40	7.33
	1/23/19	8:57	7 - 17	15.73	8.08	7.65
MW-04	3/11/16	9:50	7 - 17	15.60	7.25	8.35
	3/16/16	7:30	7 - 17	15.60	6.85	8.75
	12/16/16	8:18	7 - 17	15.60	7.04	8.56
	8/2/17	9:09	7 - 17	15.60	7.60	8.00
	1/18/18	8:43	7 - 17	15.60	7.44	8.16
	8/2/18	9:02	7 - 17	15.60	7.46	8.14
	1/23/19	8:47	7 - 17	15.60	7.11	8.49
MW-05	3/11/16	14:53	5 - 15	11.01	5.30	5.71
	3/16/16	7:30	5 - 15	11.01	5.61	5.40
	12/16/16	8:15	5 - 15	11.01	4.96	6.05
	8/2/17	8:19	5 - 15	11.01	6.33	4.68
	1/18/18	9:05	5 - 15	11.01	5.67	5.34
	8/2/18	8:15	5 - 15	11.01	6.52	4.49
	1/23/19	7:58	5 - 15	11.01	4.21	6.80
MW-06	3/11/16	13:05	6 - 16	14.95	14.41	0.54
	3/16/16	7:30	6 - 16	14.95	12.64	2.31
	12/16/16	8:23	6 - 16	14.95	7.61	7.34
	8/2/17	9:13	6 - 16	14.95	8.15	6.80
	1/18/18	8:47	6 - 16	14.95	7.83	7.12
	8/2/18	8:55	6 - 16	14.95	8.04	6.91
	1/23/19	9:17	6 - 16	14.95	7.74	7.21
MW-07	3/11/16	11:35	7 - 17	15.79	7.93	7.86
	3/16/16	7:30	7 - 17	15.79	8.49	7.30
	12/16/16	8:28	7 - 17	15.79	7.66	8.13
	8/2/17	9:15	7 - 17	15.79	8.40	7.39
	1/18/18	9:17	7 - 17	15.79	8.34	7.45
	8/2/18	9:05	7 - 17	15.79	8.36	7.43
	1/23/19	9:04	7 - 17	15.79	7.98	7.81

Notes:

ft bgs = feet below ground surface

ft msl = feet above mean sea level

ft toc = feet top of casing

NM = not measured

1) Depth to water is measured from the top of well casing.

2) Elevations are given in feet above mean sea level.

3) Monitoring well had not yet been installed at the time of well gauging.

EHS Support

Table 6
General Water Quality and Natural Attenuation Parameters
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Duplicate	Sample Depth	Sample Date	Distance to nearest injection point (feet)	Terminal Electron Acceptors							Biotic Pathways Indicators							Abiotic Pathway Indicators		
					DO mg/L	Nitrate µg/L	Dissolved Manganese µg/L	Total Iron µg/L	Dissolved Iron µg/L	Sulfate µg/L	Methane µg/L	Total Organic Carbon mg/L	pH	ORP mV	EC µS/cm	Temperature C	Ethane µg/L	Ethene µg/L	Dissolved Magnesium µg/L	Dissolved Calcium µg/L	Chloride µg/L
Upgradient																					
MW-01		7-17 ft	3/11/2016	12	2	90 J	890 J	3,000	2,200 J	19,000	1,500	3.8	7.05	157.1	4,170	18.47	2 J	5 U	67,000 J	91,000 J	1,200,000
			12/16/2016		0.03	1,000 U	4,700	23,000	24,000	10,000 U	9,500 J-	27	6	-137	19,043	20	5 UJ	5 UJ	400,000	400,000	5,900,000
			8/2/2017		0.43	530 U	4,470	19,700	18,800	2,700 U	5,080	27	7.27	-57.8	12,541	21.2	0.431 J	0.1 U	418,000	345,000	5,300,000
			1/18/2018		0.39	270 U	4,600	17,000	17,700	1,300 U	3,270	13	7.09	-1715	18,121	19.7	0.254 J	0.1 U	454,000	361,000	6,000,000 J
			8/2/2018		6.28	500 U	4,080	19,900	20,000	5,000 U	3,060	22	6.85	-171.2	19,239	19.8	0.326 J	1 U	504,000	400,000	5,600,000
			1/23/2019		0.35	1000 U	4,080	18,600	18500	5000 J	537	25	6.13	-64.8	19,850	18	1 U	1 U	397,000	322,000	5,500,000
MW-04		7-17 ft	3/11/2016	32	0.78	340	530 J	2,000	1,400 J	31,000	600	2.8	6.85	119.8	2,923	17.9	5 U	5 U	55,000 J	90,000 J	870,000
			12/16/2016		0.07	520	940	4,500	4,600	29,000	2,700	5.1	6	-104	6,171	19	5 U	5 U	71,000	140,000	1,100,000
			8/2/2017		0.29	53 U	1,140	5,910	4,990	22,000	2,030	7.4	7.55	-28	5,458	20.9	0.27 J	0.229 J	98,900	118,000	840,000
	X		8/2/2017		--	53 U	1,050	6,060	5,070	22,000	1,780	6.0	--	--	--	--	0.557 J	0.948 J	83,900	111,000	890,000
			1/18/2018		0.024	110 U	1,820	8,260	6,410	23,000	2,840	5.9	7.53	-128.6	6,699	19	1.24	0.114 J	221,000	155,000	1,200,000 J
			8/2/2018		0.29	200 U	1,620 J	10,100	11,400	5,300	4,200	13	7.18	-132.5	2,866	19.5	0.119 J	1 U	121,000 J	131,000 J	1,800,000
			1/23/2019		0.47	200 U	985	6,120	7,160	6,000	3,400	11	6.77	-141.2	16,279	18.6	0.165 J	0.209 J	102,000	102,000	1,600,000
Source Area																					
MW-02		7-17 ft	3/14/2016	11	0.91	1,000 U	370	75 J	410	160,000	2,200	9.1	7.19	174.4	17,825	17.83	130 U	5 U	370,000	220,000	6,000,000
			12/16/2016		0.95	1,000 U	6,200	23,000	25,000	14,000	7,800 J-	13	7	-190	16,326	19	33 J-	5 UJ	270,000	330,000	4,200,000
			8/2/2017		1.75	270 U	5,300	19,000	19,200	54,000	2,900	22	7.02	-147.1	14,996	20.8	11.2	0.618 J	235,000	270,000	3,400,000
			1/18/2018		0.25	270 U	4,010	10,900	11,100	110,000	3,280	12	7.18	-182.5	20,871	19.4	5.8	0.114 J	257,000	301,000	3,700,000 J
			8/2/2018		2.77	500 U	3,140	19,400	12,800	48,000	2,490	19	6.87	76.3	11,608	19.5	9.08	1 U	303,000 J	271,000	3,800,000
			1/23/2019		0.29	500 U	3,650	11,000	11,500	130,000	612	14	6.18	-23.5	10,157	17.5	2.86	1 U	183,000	247,000	2,800,000
MW-03		7-17 ft	12/16/2016	8	0.06	500 U	4,400	18,000	17,000	31,000	2,400	130	6	-64	8,834	20	10	4,700	290,000	330,000	3,200,000
			8/2/2017		3.49	270 U	5,490	21,300	18,900	80,000	2,810	140	6.87	-111.4	21,598	21.9	11.2	7,580	261,000	319,000	3,600,000
			1/18/2018		0.39	270 U	6,500	32,000	35,700	23,000	2,000	150	7.11	-62.8	10,213	19	6.32	6,130	442,000	384,000	3,300,000 J
	X		8/2/2018		--	500 U	6,940	32,200	30,700	18,000	2,300	260	--	--	--	--	18.8	5,970	248,000	351,000	2,900,000
			8/2/2018		0.38	500 U	7,220	32,600	28,900	17,000	2,160	240	6.69	-99.2	3,528	19.3	17.4	6,080	262,000	386,000	2,800,000
			1/23/2019		--	500 U	5,450	19,600	18,800	30,000	2,290	81	--	--	--	--	10.9	5,950	179,000	314,000	2,500,000
	X		1/23/2019		0.41	500 U	5,490	22,600	18,400	27,000	2,760	79	6.46	-106.0	11,137	17.2	13.1	6,460	193,000	308,000	2,600,000
MW-06		6-16 ft	3/14/2016	16	1.50	330 J	310	2,100	980	280,000	3,900	15	7.3	172.7	10,849	17.44	130 U	97	210,000	160,000	3,300,000
			12/16/2016		0.05	500 U	3,600	15,000	14,000	89,000	4,300	31	6	-65	8,221	19	410	170	210,000	220,000	2,800,000
			8/2/2017		0.31	140 J	3,840	18,700	15,500	130,000	3,170	19	7.31	-7.1	7,896	21.6	177	133	163,000	215,000	2,100,000
			1/18/2018		0.4	110 U	3,440	9,760	12,900	170,000	2,020	15	7.44	-88.7	5,841	17.6	86.6	4.89	167,000	253,000	1,900,000 J
	X		1/18/2018		--	110 U	3,520	9,850	12,700	180,000	1,860	15	--	--	--	--	84.6	4.83	164,000	250,000	1,900,000 J
			8/2/2018		0.81	200 U	2,870	10,400	12,900	180,000	2,760	22	7.15	-100	3,074	19.6	133	4.11	200,000	259,000	1,800,000
			1/23/2019		0.87	200 U	2,710 J	7,800 J	5,980 J	200,000	1,370	11	6.55	-93.4	10,883	16.0	58.5	0.296 J	114,000	196,000	1,300,000
MW-07		7-17 ft	3/14/2016	13	2.80	1,300	320	450	38 J	140,000	3,000	4.4	7.13	173	5,857	17.9	130 U	110	79,000	82,000	1,400,000
			12/16/2016		0.04	500 U	4,300	14,000	12,000	120,000	2,500	27	6	-86	6,678	20	280	130	200,000	230,000	2,500,000
			8/2/2017		3.20	110 U	5,180	16,700	17,600	120,000	3,460	16	7.1	-125.2	14,998	21	323	10.4	189,000	264,000	2,300,000
			1/18/2018		0.26	270 U	5,030	11,500	13,000	340,000	2,400	12	7.09	-150.5	16,791	19.3	78.4	5.91	261,000	338,000	3,200,000 J
			8/2/2018		3.7	500 U	3,760	10,900	7,870	120,000	2,750	23	6.76	-54.1	12,694	19.4	109	0.1 J	321,000 J	385,000	4,600,000
			1/23/2019		0.62	500 U	4,020	11,900	11,100	220,000	3,160	12	6.92	-102.7	12,271	17.6	66.3	1.29	227,000	298,000	3,400,000
Downgradient																					
MW-05	X	5-15 ft	3/11/2016	25	--	390	390 J	370	150 J+	28,000	96	2.4	--	--	--	--	1 J	5 U	23,000 J	55,000 J	270,000
			3/11/2016		0.35	250	380 J	340	140 J+	28,000	93	2.5	6.91	188.9	1,107	15.83	1 J	5 U	23,000 J	55,000 J	270,000
			12/16/2016		2.23	990	240	2,200	99	30,000	21	3.3	7	-167	1,524	14	5 U	5 U	26,000	76,000	300,000
			8/2/2017		0.4	140	1,610	1,170	256	140,000	90.9	6.2	7.45	100.5	4,918	21.9	1.33	0.168 J	72,100	166,000	1,100,000
			1/18/2018		5.67	850	9.2	236	36.9 J	21,000	15.8	6.3	8.85	-5.1	1,338	14.1	0.08 U	0.1 U	11,500	31,800	130,000 J
			8/2/2018		1.12	170 J	1030	520	1980	140,000	18.9	4.3	6.88	33.9	3,968	19.6	0.163 J	1 U	75,500	166,000	1,100,000 J
			1/23/2019		4.02	1900	8.03 J	500 U	500 U	27,000	0.291 J	2.7	7.24	38.9	5,396	14.3	1 U	0.072 J	27,100	81,800	290,000

Legend:

µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
DO = dissolved oxygen
EC = electrical conductivity
ft bgs = feet below ground surface
mg/L = milligrams per liter
mV = millivolts
-- = not analyzed
NTU = Nephelometric turbidity units
ORP = oxidation-reduction potential
TDS = total dissolved solids
TOC = Total organic carbon

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met, or the concentration is below the reportable detection limit set by the laboratory).
J+ = the concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
J- = the concentration of the sample is considered to be biased low because the quality control results are outside the lower control limits.

Notes:

1) Total calcium, iron, manganese, and magnesium was analyzed by USEPA Method 200.7/6010B
2) Dissolved calcium, iron, manganese, and magnesium was field-filtered and analyzed by USEPA Method 6010B

EHS Support

Table 7
Groundwater Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Duplicate	Sample Depth	Sample Date	Benzene	Toluene	Ethylbenzene	M,P-Xylene	O-Xylene (1,2-Dimethylbenzene)	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloroethane	1,4-Dioxane (P-Dioxane)	Styrene	Cis-1,3-Dichloropropene	Trans-1,3-Dichloropropene	N-Propylbenzene
			Risk Based Cleanup Levels	**45**	**130**	**43**	**100**	**100**	**120**	**231**	**590**	**590**	**2.4**	**62**	**246**	**47**	**25**	**16**	**335000**	**--**	**--**	**--**	**--**
Upgradient																							
MW-01		7-17 feet	3/11/2016	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.6	9.3	0.3 J	7.9	0.5 U	0.2 J	1.2	0.5 U	0.3 J	110	0.5 U	0.5 U	0.5 U	0.5 U
			12/16/2016	3.2 J-	0.1 J-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.4 J-	4.3 J-	0.2 J-	0.6 J-	0.5 UJ	0.3 J-	2.2 J-	0.5 UJ	0.5 J-	560	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
			8/2/2017	1.9	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.37 U	1.5	0.37 U	0.5 J	0.3 U	0.24 U	0.97 J	0.43 U	2.3 U	680	0.17 U	0.25 U	0.25 U	0.17 U
			1/18/2018	2.1	0.47 U	0.28 U	0.6 U	0.46 U	0.77 U	0.74 U	3.2	0.74 U	0.6 U	0.61 U	0.48 U	1.2 J	0.86 U	4.6 U	680	0.34 U	0.49 U	0.51 U	0.35 U
			8/2/2018	2.8	2 U	2 U	2 U	2 U	2 U	2 U	3.6	2 U	0.81 J	2 U	1 U	1.2 J	2 U	10 U	430	2 U	1 U	1 U	2 U
			1/23/2019	1.2 J	2 U	2 U	4 U	2 U	2 U	2 U	1.2 J	2 U	1 U	2 U	1 U	2 U	2 U	10 U	680 J	2 U	1 U	1 U	2 U
MW-04		7-17 feet	3/11/2016	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.7	1.3	0.2 J	0.2 J	0.3 J	0.1 J	0.6	0.5 U	1 U	44	0.5 U	0.5 U	0.5 U	0.5 U
			12/16/2016	0.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4	2.1	0.2	0.5	0.5 U	0.3	1	0.5 U	0.1	180	0.5 U	0.5 U	0.5 U	0.5 U
	X		8/2/2017	0.14 U	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.37 U	3.3	0.37 U	0.53	0.3 U	0.24 U	1	0.43 U	2.3 U	270	0.17 U	0.25 U	0.25 U	0.17 U
			8/2/2017	0.14 U	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.37 U	3.3	0.37 U	0.62	0.3 U	0.24 U	1.1	0.43 U	2.3 U	280	0.17 U	0.25 U	0.25 U	0.17 U
			1/18/2018	0.18 J	0.24 U	0.14	0.3 U	0.23 U	0.39 U	0.37 U	2.3	0.37 U	0.55	0.3 U	0.24 U	1.5	0.43 U	2.3 U	640	0.17 U	0.25 U	0.25 U	0.17 U
			8/2/2018	0.15 J	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	0.71	1 U	0.5 U	1.3	1 U	5 U	170	1 U	0.5 U	0.5 U	1 U
			1/23/2019	0.45 J	1 U	1 U	2 U	1 U	1 U	0.29 J	2.5	1 U	1.2	1 U	0.5 U	1	1 U	5 U	480 J	1 U	0.5 U	0.5 U	1 U
Source Area																							
MW-02		7-17 feet	3/14/2016	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.7 J	0.7 J	1.7 U	1.7 U	1.7 U	1.7 U	1.2 J	1.7 U	3.3 U	2400	1.7 U	1.7 U	1.7 U	1.7 U
			12/16/2016	1.4	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.7	1.8	1.7 U	0.4	1.7 U	0.3	3.2	1.7 U	0.6	2700	1.7 U	1.7 U	1.7 U	1.7 U
			8/2/2017	1.2	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.88 J	1.5	0.37 U	1.3	0.3 U	0.37 J	3.1	0.43 U	2.3 U	4000	0.17 U	0.25 U	0.25 U	0.17 U
			1/18/2018	0.67	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.37 U	1.4	0.37 U	0.41 J	0.3 U	0.24 U	1.8	0.43 U	2.3 U	3700	0.17 U	0.25 U	0.25 U	0.17 U
			8/2/2018	1.2	1 U	1 U	1 U	1 U	1 U	0.89 J	1.5	1 U	0.41 J	1 U	0.32 J	2.2	1 U	5 U	2800	1 U	0.5 U	0.5 U	1 U
			1/23/2019	0.61 J	1 U	1 U	2 U	1 U	1 U	0.59 J	2	1 U	0.39 J	1 U	0.5 U	1.3	1 U	5 U	2800	1 U	0.5 U	0.5 U	1 U
MW-03		7-17 feet	12/16/2016	6100	4300	440	700	170	2500	36000	27000	130	6300	310 U	36000	33000	220	230	13000	310 U	310 U	310 U	310 U
			8/2/2017	16000	5600	260	530	150 J	2500	64000	71000	370	14000	76 U	81000	89000	390	570 U	28000	43 U	61 U	64 U	43 U
			1/18/2018	15000	7000	370 J	770	230 J	1500	72000	80000	290 J	12000	150 U	63000	82000	470 J	1100 U	34000	86 U	120 U	130 U	86 U
	X		8/2/2018	15000 J	8400 J	630	1200	340 J	860	65000 J	78000	440 J	16000	500 U	39000 J	77000 J	510	2500 U	18000 J	500 U	250 U	250 U	500 U
			8/2/2018	10000 J	6400 J	480 J	860	220 J	700	43000 J	93000	390 J	13000	500 U	19000 J	58000 J	380 J	2500 U	13000 J	500 U	250 U	250 U	500 U
			1/23/2019	9500	6000 J	520	960 J	280 J	230 J	33000 J	80000	320 J	13000	500 U	11000 J	48000	270 J	2500 U	12000	500 U	250 U	250 U	500 U
	X		1/23/2019	7600	4500 J	350 J	640 J	200 J	120 J	25000 J	67000	500 U	12000	500 U	6700 J	40000	210 J	2500 U	15000	500 U	250 U	250 U	500 U
MW-06		6-16 feet	3/14/2016	66	42	5.8 J	6 J	8 J	8.3 U	4.6 J	740	3.3 J	14	8.3 U	14	180	8.3 U	17 U	1500	8.3 U	8.3 U	8.3 U	8.3 U
			12/16/2016	130	17	17	9.1	8.2	8.3 U	8.3 U	21	8.3 U	25	8.3 U	4.3	61	8.3 U	25	2200	8.3 U	8.3 U	8.3 U	8.3 U
			8/2/2017	210	6.4	34	10	7.8	0.39 U	0.57 J	18	1.8	15	0.3 U	0.24 U	39	0.43 U	54	3200	0.17 U	0.25 U	0.25 U	0.35 J
	X		1/18/2018	160	1.1	24	2.9	1.7	0.39 U	0.37 U	3.1	1.2	0.5	0.3 U	0.24 U	9.4	0.43 U	36	2300	0.17 U	0.25 U	0.25 U	0.3 J
			1/18/2018	140	1 J	20	2.4	1.6 J	0.77 U	0.8 J	3.4	1.2 J	0.67 J	0.61 U	0.48 U	8.5	0.86 U	30	2400	0.34 U	0.49 U	0.51 U	0.35 U
			8/2/2018	230	1.4 J	17	2.7 J	1.3 J	5 U	5 U	5 U	5 U	2.5 U	5 U	2.5 U	11	5 U	72	910	5 U	2.5 U	2.5 U	5 U
			1/23/2019	64	0.32 J	0.42 J	4 U	2 U	2 U	2 U	1.4 J	2 U	1 U	2 U	1 U	3	2 U	13	1300	2 U	1 U	1 U	2 U
MW-07		7-17 feet	3/14/2016	1.9	0.5 U	0.1 J	0.5 U	0.5 U	4.1	15	77	0.4 J	16	0.2 J	0.3 J	250	0.5 U	7.5	1600	0.5 U	0.5 U	0.5 U	0.5 U
			12/16/2016	130	1.7	3.7	1.3	2.1	1.1	9.2	11	2.5	11	1.7 U	6.6	34	1.7 U	230	3200	1.7 U	1.7 U	1.7 U	1.7 U
			8/2/2017	570	1.5 J	1.4 J	0.6 U	0.46 U	0.77 U	1.8 J	2.8	0.74 J	2.3	0.61 U	0.48 U	6.6	0.86 U	410	8700	0.34 U	0.49 U	0.51 U	0.35 U
			1/18/2018	350	1.2 U	0.82 J	1.5 U	1.1 U	1.9 U	4.6 J	6.8	1.8 U	1.5 U	1.5 U	1.2 U	12	2.2 U	280	10000	0.86 U	1.2 U	1.3 U	0.86 U
			8/2/2018	100	5 U	5 U	5 U	5 U	5 U	5 U	8.9	5 U	2.5 U	5 U	2.5 U	7.1	5 U	130	5900	5 U	2.5 U	2.5 U	5 U
			1/23/2019	210	0.32 J	0.31 J	4 U	2 U	2 U	0.87 J	9.7	2 U	0.4 J	2 U	1 U	10	2 U	130	6900	2 U	1 U	1 U	2 U
Downgradient																							
MW-05	X	5-15 feet	3/11/2016	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.3 J	2.4	0.5 U	1.6	0.5 U	0.5 U	0.3 J	0.5 U	1 U	29	0.5 U	0.5 U	0.5 U	0.5 U
			3/11/2016	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.3 J	1.2	0.1 J	1.5	0.5 U	0.5 U	0.3 J	0.5 U	1 U	21	0.5 U	0.5 U	0.5 U	0.5 U
			12/16/2016	0.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2	0.3	0.5 U	0.4	0.5 U	0.5 U	0.2	0.5 U	1 U	7.7	0.5 U	0.5 U	0.5 U	0.5 U
			8/2/2017	0.16 J	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	0.37 U	1.4	0.37 U	1.1	0.3 U	0.24 U	1.6	0.43 U	2.3 U	300	0.17 U	0.25 U	0.25 U	0.17 U
			1/18/2018	0.24 J	0.24 U	0.14 U	0.3 U	0.23 U	0.39 U	1	0.71 J	0.37 U	0.3 U	0.3 U	0.24 U	0.66 J	0.43 U	2.3 U	4.8	0.17 U	0.25 U	0.25 U	0.17 U
			8/2/2018	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	0.5 U	1 U	0.5 U	0.47 J	1 U	5 U	94	1 U	0.5 U	0.5 U	1 U
			1/23/2019	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	0.5 U	1 U	1 U	5 U	4.2	1 U	0.5 U	0.5 U	1 U

Table 7
Groundwater Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Duplicate	Sample Depth	Sample Date	N-Butylbenzene	4-Chlorotoluene	1,4-Dichlorobenzene	1,2-Dibromoethane (Ethylene Dibromide)	Vinyl Acetate	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1,3,5-Trimethylbenzene (Mesitylene)	Bromobenzene	Chlorobenzene	1,2,4-Trichlorobenzene	Dibromochloromethane	Sec-Butylbenzene	1,3-Dichloropropane	Tert-Butyl Methyl Ether	1,3-Dichlorobenzene	Carbon Tetrachloride	1,1-Dichloropropene	2-Hexanone	2,2-Dichloropropane	1,1,1,2-Tetrachloroethane	Acetone
			Risk Based Cleanup Levels	--	--	--	--	--	**170**	--	--	**25**	**25**	--	--	**24**	--	**65**	**10**	--	--	--	--	**1500**
Upgradient																								
MW-01		7-17 feet	3/11/2016	0.5 U	0.5 U	0.5	0.5 U	10 U	10 U	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			12/16/2016	0.5 UJ	0.5 UJ	0.1 J-	0.5 UJ	10 UJ	10 UJ	0.5 UJ	0.5 UJ	0.6 J-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	10 UJ	0.5 UJ	0.5 UJ	10 UJ
			8/2/2017	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.35 J	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			1/18/2018	0.46 U	0.27 U	0.86 U	0.72 U	11 U	8.8 U	0.57 U	0.61 U	0.46 J	1 U	0.5 U	0.49 U	0.61 U	0.62 U	0.8 U	0.45 U	0.93 U	8.3 U	0.73 U	0.81 U	20 U
			8/2/2018	2 U	2 U	2 U	2 U	20 U	20 U	2 U	2 U	0.52 J	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	20 U	2 U	2 U	40 U
			1/23/2019	2 U	2 U	2 U	2 U	20 U	20 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	1 U	2 U	20 U	2 U	4 U	40 U
MW-04		7-17 feet	3/11/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			12/16/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
	X		8/2/2017	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	2.5	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			8/2/2017	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	2.3	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			1/18/2018	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.86 J	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			8/2/2018	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	0.89 J	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	1 U	20 U
			1/23/2019	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	1.1	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	2 U	21
Source Area																								
MW-02		7-17 feet	3/14/2016	1.7 U	1.7 U	1.7 U	1.7 U	33 U	33 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	33 U
			12/16/2016	1.7 U	1.7 U	1.7 U	1.7 U	33 U	33 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	33 U
			8/2/2017	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.25 J	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			1/18/2018	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.17 U	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			8/2/2018	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	0.35 J	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	1 U	20 U
			1/23/2019	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	2 U	20 U
MW-03		7-17 feet	12/16/2016	310 U	310 U	310 U	310 U	6300 U	340	310 U	310 U	89	310 U	310 U	310 U	310 U	310 U	310 U	310 U	310 U	6300 U	310 U	310 U	4700
			8/2/2017	57 U	33 U	110 U	90 U	1400 U	2100 J	71 U	76 U	83 J	120 U	62 U	61 U	76 U	77 U	100 U	56 U	120 U	1000 U	91 U	100 U	28000
			1/18/2018	110 U	66 U	220 U	180 U	2800 U	2200 U	140 U	150 U	120 J	250 U	120 U	120 U	150 U	150 U	200 U	110 U	230 U	2100 U	180 U	200 U	27000
	X		8/2/2018	500 U	500 U	500 U	500 U	5000 U	5000 U	500 U	500 U	150 J	500 U	500 U	500 U	500 U	500 U	500 U	250 U	500 U	5000 U	500 U	500 U	18000
			8/2/2018	500 U	500 U	500 U	500 U	5000 U	5000 U	500 U	500 U	120 J	500 U	500 U	500 U	500 U	500 U	500 U	250 U	500 U	5000 U	500 U	500 U	8200 J
			1/23/2019	500 U	500 U	500 U	500 U	5000 U	5000 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U	500 U	250 U	500 U	5000 U	500 U	1000 U	6100 J
	X		1/23/2019	500 U	500 U	500 U	500 U	5000 U	5000 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U	500 U	250 U	500 U	5000 U	500 U	1000 U	10000 U
MW-06		6-16 feet	3/14/2016	8.3 U	8.3 U	8.3 U	8.3 U	170 U	40 J	8.3 U	8.3 U	2.2 J	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	170 U	8.3 U	8.3 U	170 U
			12/16/2016	8.3 U	8.3 U	6.2	8.3 U	170 U	170 U	8.3 U	8.3 U	20	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U	170 U	8.3 U	8.3 U	170 U
			8/2/2017	0.23 U	0.13 U	9.3	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	25	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	1.8	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
	X		1/18/2018	0.23 U	0.13 U	7.5	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	26	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	1.6	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			1/18/2018	0.46 U	0.27 U	6.9	0.72 U	11 U	8.8 U	0.57 U	0.61 U	27	1 U	0.5 U	0.49 U	0.61 U	0.62 U	1.3 J	0.45 U	0.93 U	8.3 U	0.73 U	0.81 U	20 U
			8/2/2018	5 U	5 U	11	5 U	50 U	50 U	5 U	5 U	27	5 U	5 U	5 U	5 U	5 U	2.5 J	2.5 U	5 U	50 U	5 U	5 U	100 U
			1/23/2019	2 U	2 U	4	2 U	20 U	20 U	2 U	2 U	26	2 U	4 U	2 U	2 U	2 U	0.75 J	1 U	2 U	20 U	2 U	4 U	40 U
MW-07		7-17 feet	3/14/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.7 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			12/16/2016	1.7 U	1.7 U	1.7 U	1.7 U	33 U	33 U	1.7 U	1.7 U	2.8	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	33 U	1.7 U	1.7 U	33 U
			8/2/2017	0.46 U	0.27 U	0.86 U	0.72 U	11 U	8.8 U	0.57 U	0.61 U	2	1 U	0.5 U	0.49 U	0.61 U	0.62 U	0.8 U	0.45 U	0.93 U	8.3 U	0.73 U	0.81 U	20 U
			1/18/2018	1.1 U	0.66 U	2.2 U	1.8 U	28 U	22 U	1.4 U	1.5 U	2 J	2.5 U	1.2 U	1.2 U	1.5 U	1.5 U	2 U	1.1 U	2.3 U	21 U	1.8 U	2 U	50 U
			8/2/2018	5 U	5 U	5 U	5 U	50 U	50 U	5 U	5 U	3.3 J	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	5 U	50 U	5 U	5 U	100 U
			1/23/2019	2 U	2 U	2 U	2 U	20 U	20 U	2 U	2 U	1.8 J	2 U	4 U	2 U	2 U	2 U	2 U	1 U	2 U	20 U	2 U	4 U	40 U
Downgradient																								
MW-05	X	5-15 feet	3/11/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			3/11/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			12/16/2016	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	0.5 U	0.5 U	0.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	10 U
			8/2/2017	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.37 J	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			1/18/2018	0.23 U	0.13 U	0.43 U	0.36 U	5.6 U	4.4 U	0.28 U	0.3 U	0.17 U	0.5 U	0.25 U	0.25 U	0.3 U	0.31 U	0.4 U	0.23 U	0.46 U	4.2 U	0.36 U	0.4 U	10 U
			8/2/2018	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	1 U	20 U
			1/23/2019	1 U	1 U	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	10 U	1 U	2 U	20 U

Table 7
Groundwater Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Duplicate	Sample Depth	Sample Date	Chloroform	Bromomethane	Chloromethane	Dibromomethane	Bromochloromethane	Methylene Chloride	Carbon Disulfide	Bromoform	Bromodichloromethane	Trichlorofluoromethane	Dichlorodifluoromethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2-Dichloropropane	Methyl Ethyl Ketone (2-Butanone)	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	1,2,3-Trichlorobenzene	Hexachlorobutadiene	Naphthalene	2-Chlorotoluene	1,2-Dichlorobenzene
			Risk Based Cleanup Levels	**94**	**160**	**1100**	**--**	**--**	**1345**	**--**	**1100**	**--**	**21890**	**--**	**303267**	**312**	**14000**	**749**	**--**	**--**	**--**	**24**	**--**	**14**
Upgradient																								
MW-01		7-17 feet	3/11/2016	0.1 J	1 U	1 U	0.5 U	0.5 U	10 U	0.2 J	1 U	0.5 U	1 U	1 U	2 U	0.4 J	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	3.4
			12/16/2016	0.5 UJ	1 U	1 UJ	0.5 UJ	0.5 UJ	10 UJ	0.5 UJ	0.2 J-	0.5 UJ	1 UJ	1 UJ	2 UJ	0.7 J-	0.6 J-	0.5 UJ	0.5 UJ	0.5 UJ	2 UJ	2 UJ	0.5 UJ	1.6 J-
			8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.93 J
			1/18/2018	0.92 U	7.8 U	7.1 U	0.92 U	0.95 U	7.7 U	8.2 U	1 U	0.41 U	6.6 U	0.91 U	7.8 U	0.85 U	8.8 U	0.77 U	0.82 U	1 U	--	10 U	0.48 U	1.2 J
			8/2/2018	2 U	20 U	20 U	2 U	2 U	20 U	20 U	2 U	2 U	20 U	2 U	20 U	2 U	20 U	2 U	2 U	2 U	--	20 UJ	2 U	1.2 J
			1/23/2019	2 U	100 U	20 U	2 U	4 U	20 U	20 U	10 U	2 U	20 U	10 U	20 U	2 U	40 U	2 U	20 U	2 U	--	20 U	2 U	0.47 J
MW-04		7-17 feet	3/11/2016	0.4 J	1 U	1 U	0.5 U	0.5 U	0.2 J	0.1 J	1 U	0.5 U	1 U	1 U	2 U	0.5	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	1
			12/16/2016	0.2	1 U	1 U	0.5 U	0.5 U	10 U	0.5 U	1 U	0.5 U	1 U	1 U	2 U	0.4	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.9
	X		8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.47 J	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.94 J
			8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.5 J	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.86 J
			1/18/2018	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.46 U
			8/2/2018	1 U	10 U	10 U	1 U	1 U	10 U	10 U	1 U	1 U	10 U	1 U	10 U	1 U	10 U	1 U	1 U	1 U	--	10 UJ	1 U	1 U
			1/23/2019	1 U	50 U	10 U	1 U	2 U	10 U	10 U	5 U	1 U	10 U	5 U	10 U	1 U	20 U	1 U	10 U	1 U	--	10 U	1 U	1 U
Source Area																								
MW-02		7-17 feet	3/14/2016	1.7 U	3.3 U	3.3 U	1.7 U	1.7 U	33 U	1.7 U	3.3 U	1.7 U	3.3 U	3.3 U	6.7 U	1.7 U	33 U	1.7 U	1.7 U	1.7 U	6.7 U	6.7 U	1.7 U	1.7 U
			12/16/2016	1.7 U	3.3 U	3.3 U	1.7 U	1.7 U	33 U	1.7 U	3.3 U	1.7 U	3.3 U	3.3 U	6.7 U	1.7 U	33 U	1.7 U	1.7 U	1.7 U	6.7 U	6.7 U	1.7 U	1.7 U
			8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.46 U
			1/18/2018	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.46 U
			8/2/2018	1 U	10 U	10 U	1 U	1 U	10 U	10 U	1 U	1 U	10 U	1 U	10 U	1 U	10 U	1 U	1 U	1 U	--	10 UJ	1 U	1 U
			1/23/2019	1 U	50 U	10 U	1 U	2 U	10 U	10 U	5 U	1 U	10 U	5 U	10 U	1 U	20 U	1 U	10 U	1 U	--	10 U	1 U	1 U
MW-03		7-17 feet	12/16/2016	170	630 U	630 U	310 U	310 U	3000	310 U	630 U	310 U	630 U	630 U	1300 U	310 U	590	310 U	310 U	310 U	1300 U	1300 U	310 U	310 U
			8/2/2017	120 U	970 U	880 U	120 U	120 U	6200	1000 U	130 U	52 U	830 U	110 U	980 U	160 J	2600	96 U	100 U	130 U	--	1200 U	60 U	110 U
			1/18/2018	230 U	1900 U	1800 U	230 U	240 U	2400 J	2000 U	250 U	100 U	1700 U	230 U	2000 U	210 U	2200 U	190 U	200 U	250 U	--	2500 U	120 U	230 U
	X		8/2/2018	500 U	5000 U	5000 U	500 U	500 U	5000 U	5000 U	500 U	500 U	5000 U	500 U	5000 U	500 U	5000 U	500 U	500 U	500 U	--	5000 U	500 U	500 U
			8/2/2018	500 U	5000 U	5000 U	500 U	500 U	5000 U	5000 U	500 U	500 U	5000 U	500 U	5000 U	500 U	5000 U	500 U	500 U	500 U	--	5000 UJ	500 U	500 U
			1/23/2019	500 U	25000 U	5000 U	500 U	1000 U	5000 U	5000 U	2500 U	500 U	5000 U	2500 U	5000 U	500 U	10000 U	500 U	5000 U	500 U	--	5000 U	500 U	500 U
	X		1/23/2019	500 U	25000 U	5000 U	500 U	1000 U	5000 U	5000 U	2500 U	500 U	5000 U	2500 U	5000 U	500 U	10000 U	500 U	5000 U	500 U	--	5000 U	500 U	500 U
MW-06		6-16 feet	3/14/2016	8.3 U	17 U	17 U	8.3 U	8.3 U	6.1 J	3.3 J	17 U	8.3 U	17 U	17 U	33 U	8.3 U	170 U	8.3 U	8.3 U	8.3 U	33 U	33 U	8.3 U	36
			12/16/2016	8.3 U	17 U	17 U	8.3 U	8.3 U	170 U	8.3 U	17 U	8.3 U	17 U	17 U	33 U	8.3 U	170 U	8.3 U	8.3 U	8.3 U	33 U	33 U	8.3 U	220
			8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	310
	X		1/18/2018	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	240
			1/18/2018	0.92 U	7.8 U	7.1 U	0.92 U	0.95 U	7.7 U	8.2 U	1 U	0.41 U	6.6 U	0.91 U	7.8 U	0.85 U	8.8 U	0.77 U	0.82 U	1 U	--	10 U	0.48 U	230
			8/2/2018	5 U	50 U	50 U	5 U	5 U	50 U	50 U	5 U	5 U	50 U	5 U	50 U	5 U	50 U	5 U	5 U	5 U	--	50 U	5 U	400
			1/23/2019	2 U	100 U	20 U	2 U	4 U	20 U	20 U	10 U	2 U	20 U	10 U	20 U	2 U	40 U	2 U	20 U	2 U	--	20 U	2 U	130
MW-07		7-17 feet	3/14/2016	1.5	1 U	1 U	0.5 U	0.5 U	2 J	0.9	1 U	0.5 U	1 U	1 U	2 U	0.2 J	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.1 J
			12/16/2016	0.4	3.3 U	3.3 U	1.7 U	1.7 U	3.2	1.7 U	3.3 U	1.7 U	3.3 U	3.3 U	6.7 U	1.7 U	33 U	1.7 U	1.7 U	1.7 U	6.7 U	6.7 U	1.7 U	1.8
			8/2/2017	0.92 U	7.8 U	7.1 U	0.92 U	0.95 U	7.7 U	8.2 U	1 U	0.41 U	6.6 U	0.91 U	7.8 U	0.85 U	8.8 U	0.77 U	0.82 U	1 U	--	10 U	0.48 U	1.9 J
			1/18/2018	2.3 U	19 U	18 U	2.3 U	2.4 U	19 U	20 U	2.5 U	1 U	17 U	2.3 U	20 U	2.1 U	22 U	1.9 U	2 U	2.5 U	--	25 U	1.2 U	4.1 J
			8/2/2018	5 U	50 U	50 U	5 U	5 U	50 U	50 U	5 U	5 U	50 U	5 U	50 U	5 U	50 U	5 U	5 U	5 U	--	50 U	5 U	3.3 J
			1/23/2019	2 U	100 U	20 U	2 U	4 U	20 U	20 U	10 U	2 U	20 U	10 U	20 U	2 U	40 U	2 U	20 U	2 U	--	20 U	2 U	1.2 J
Downgradient																								
MW-05	X	5-15 feet	3/11/2016	0.5 U	1 U	1 U	0.5 U	0.5 U	10 U	0.1 J	1 U	0.5 U	1 U	1 U	2 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.7
			3/11/2016	0.5 U	1 U	1 U	0.5 U	0.5 U	10 U	0.1 J	1 U	0.5 U	1 U	1 U	2 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.6
			12/16/2016	0.5 U	1 U	1 U	0.5 U	0.5 U	10 U	0.5 U	1 U	0.5 U	1 U	1 U	2 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.3
			8/2/2017	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.79 J
			1/18/2018	0.46 U	3.9 U	3.5 U	0.46 U	0.48 U	3.8 U	4.1 U	0.5 U	0.21 U	3.3 U	0.46 U	3.9 U	0.42 U	4.4 U	0.38 U	0.41 U	0.51 U	--	5 U	0.24 U	0.46 U
			8/2/2018	1 U	10 U	10 U	1 U	1 U	10 U	10 U	1 U	1 U	10 U	1 U	10 U	1 U	10 U	1 U	1 U	1 U	--	10 UJ	1 U	1 U
			1/23/2019	1 U	50 U	10 U	1 U	2 U	10 U	10 U	5 U	1 U	10 U	5 U	10 U	1 U	20 U	1 U	10 U	1 U	--	10 U	1 U	1 U

Table 7
Groundwater Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Location ID	Duplicate	Sample Depth	Sample Date	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2,3-Trichloropropane	T-Butylbenzene	Isopropylbenzene (Cumene)	Cymene	Gasoline Range Organics	Diesel Range Organics (C10-C24)	Diesel Range Organics (C10-C24) Silica Gel	Motor Oil Range Organics ((C24-C36)	Motor Oil Range Organics ((C24-C36) Silica Gel
			Risk Based Cleanup Levels	**5077**	--	--	--	--	--	**500**	**640**	**640**	**640**	**640**
Upgradient														
MW-01		7-17 feet	3/11/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	41 NJ	70 NJ	50 U	300 U	300 U
			12/16/2016	0.5 UJ	2 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	160	1300 NJ	50 U	1200 NJ	300 U
			8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	66 J	30 U	69 J	49 U
			1/18/2018	0.72 U	2.5 U	1.3 U	0.55 U	1.2 U	0.32 U	38 U	50 U	37 J	53 U	250 U
			8/2/2018	2 U	10 U	10 U	2 U	2 U	2 U	50 U	50 U	50 U	250 U	250 U
			1/23/2019	2 U	10 U	10 U	2 U	2 U	2 U	50 U	36 J	50 U	250 U	250 U
MW-04		7-17 feet	3/11/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	46 J	52 U	310 U	310 U
			12/16/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	19	98 NJ	50 U	300 U	300 U
	X		8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	73 J	65 J	91 J	70 J
			8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	30 UJ	30 UJ	49 U	49 U
			1/18/2018	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	50 U	33 U	53 U	250 U
			8/2/2018	1 U	5 U	5 U	1 U	1 U	1 U	50 U	32 J	48 U	240 U	240 U
			1/23/2019	1 U	5 U	5 U	1 U	1 U	1 U	50 U	50 U	50 U	250 U	250 U
Source Area														
MW-02		7-17 feet	3/14/2016	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	56 NJ	230 NJ	50 U	150 J	300 U
			12/16/2016	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	70	530 NJ	50 U	430 NJ	300 U
			8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	51 J	180 J	110 J	190 J	120 J
			1/18/2018	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	40 J	50 U	33 U	53 U	250 U
			8/2/2018	1 U	5 U	5 U	1 U	1 U	1 U	50 U	49 U	49 U	250 U	250 U
			1/23/2019	1 U	5 U	5 U	1 U	1 U	1 U	50 U	50 U	50 U	250 U	250 U
MW-03		7-17 feet	12/16/2016	310 U	1300 U	310 U	310 U	310 U	310 U	34000	15000 NJ	620 NJ	1200 NJ	300 U
			8/2/2017	90 U	310 U	160 U	69 U	150 U	45 J	28000 J	4400 J	1600 J	610 J	220 J
			1/18/2018	180 U	620 U	320 U	140 U	290 U	79 U	21000 J	3100	3100 J	320 J	250 U
	X		8/2/2018	500 U	2500 U	2500 U	500 U	500 U	500 U	1300 J	1800 J	1100 J	420 J	230 J
			8/2/2018	500 U	2500 U	2500 U	500 U	500 U	500 U	6000 J	1700 J	1600 J	270 J	230 J
			1/23/2019	500 U	2500 U	2500 U	500 U	500 U	500 U	39000	2200 J	120	570 J	250 U
	X		1/23/2019	500 U	2500 U	2500 U	500 U	500 U	500 U	34000	3500 J	190	570 J	250 U
MW-06		6-16 feet	3/14/2016	8.3 U	33 U	8.3 U	8.3 U	8.3 U	8.3 U	580	2400	100 NJ	570	300 U
			12/16/2016	8.3 U	33 U	8.3 U	8.3 U	8.3 U	8.3 U	470	5500 NJ	190 NJ	270	300 U
			8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.61 J	0.16 U	540 J	280 J	190 J	92 J	51 J
	X		1/18/2018	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	270 J	160	160 J	53 U	250 U
			1/18/2018	0.72 U	2.5 U	1.3 U	0.55 U	1.2 U	0.32 U	260 J	190	190 J	53 U	250 U
			8/2/2018	5 U	25 U	25 U	5 U	5 U	5 U	240	61 J	56 J	250 U	250 U
			1/23/2019	2 U	10 U	10 U	2 U	2 U	2 U	100	110 J	50 U	61 J	250 U
MW-07		7-17 feet	3/14/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	110 NJ	120 NJ	50 U	300 U	300 U
			12/16/2016	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	400	1400 NJ	18 NJ	740 NJ	300 U
			8/2/2017	0.72 U	2.5 U	1.3 U	0.55 U	1.2 U	0.32 U	820 J	370 J	300 SG	370 J	340 J
			1/18/2018	1.8 U	6.2 U	3.2 U	1.4 U	2.9 U	0.79 U	390 J	60	60 J	53 U	250 U
			8/2/2018	5 U	25 U	25 U	5 U	5 U	5 U	250	38 J	50 U	250 U	250 U
			1/23/2019	2 U	10 U	10 U	2 U	2 U	2 U	50 U	55 J	50 U	250 U	250 U
Downgradient														
MW-05	X	5-15 feet	3/11/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	24 NJ	54 NJ	50 U	300 U	300 U
			3/11/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	29 NJ	25 J	51 U	310 U	310 U
			12/16/2016	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	43	160 NJ	20 NJ	300 U	300 U
			8/2/2017	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	30 U	30 U	49 U	49 U
			1/18/2018	0.36 U	1.2 U	0.64 U	0.28 U	0.58 U	0.16 U	38 U	45 J	45 J	53 U	250 U
			8/2/2018	1 U	5 U	5 U	1 U	1 U	1 U	50 U	47 U	47 U	240 U	240 U
			1/23/2019	1 U	5 U	5 U	1 U	1 U	1 U	50 U	50 U	50 U	250 U	250 U

Table 7
Groundwater Analytical Results
Parcel A, 3745 Bayshore Boulevard
Brisbane, California

Notes:

All values are in micrograms per liter

-- = not analyzed

Values shaded gray are detections above the Risk-Based Cleanup Levels

Data Qualifiers:

J = the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (qualified because certain quality control criteria were not met,
or the concentration is below the reportable detection limit set by the laboratory).

U = Analyte not detected at or above the stated laboratory reportable detection limit

J- = the concentration of the sample is considered to be biased low because the quality control results are outside the lower control limits.

J+ = the concentration of the sample is considered to be biased high because the quality control results exceed the upper control limits.

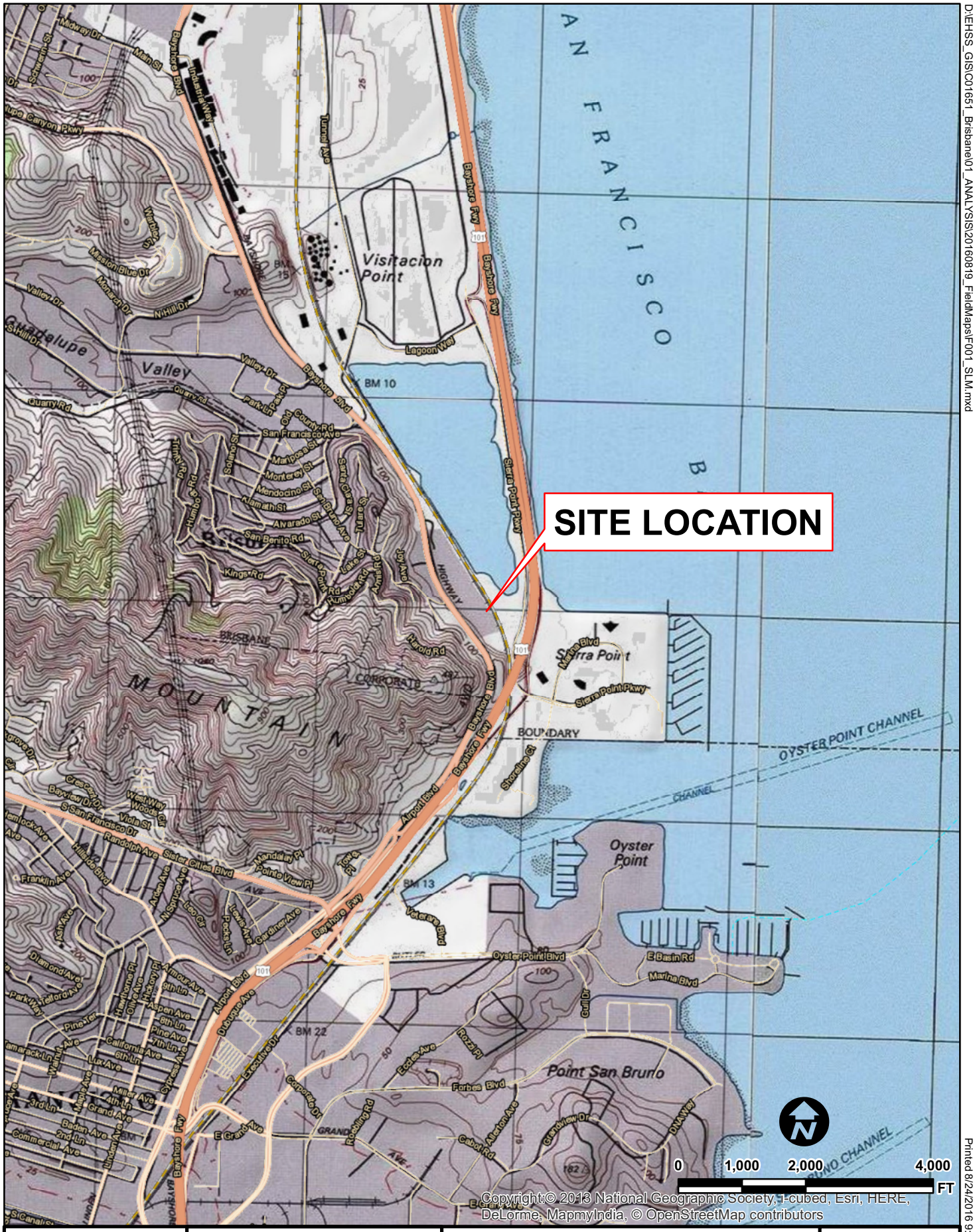
NJ = the laboratory noted that the total petroleum hydrocarbon results did not have the typical gasoline, diesel, or motor oil pattern. ERM qualified the affected samples as tentatively identified and estimated.

Chemical Abbreviations:

PCE = tetrachloroethene

TCE = trichloroethene

Figures



EHS Support	3745 and 3775 Bayshore Blvd Brisbane, CA	SITE LOCATION MAP	FIGURE 1

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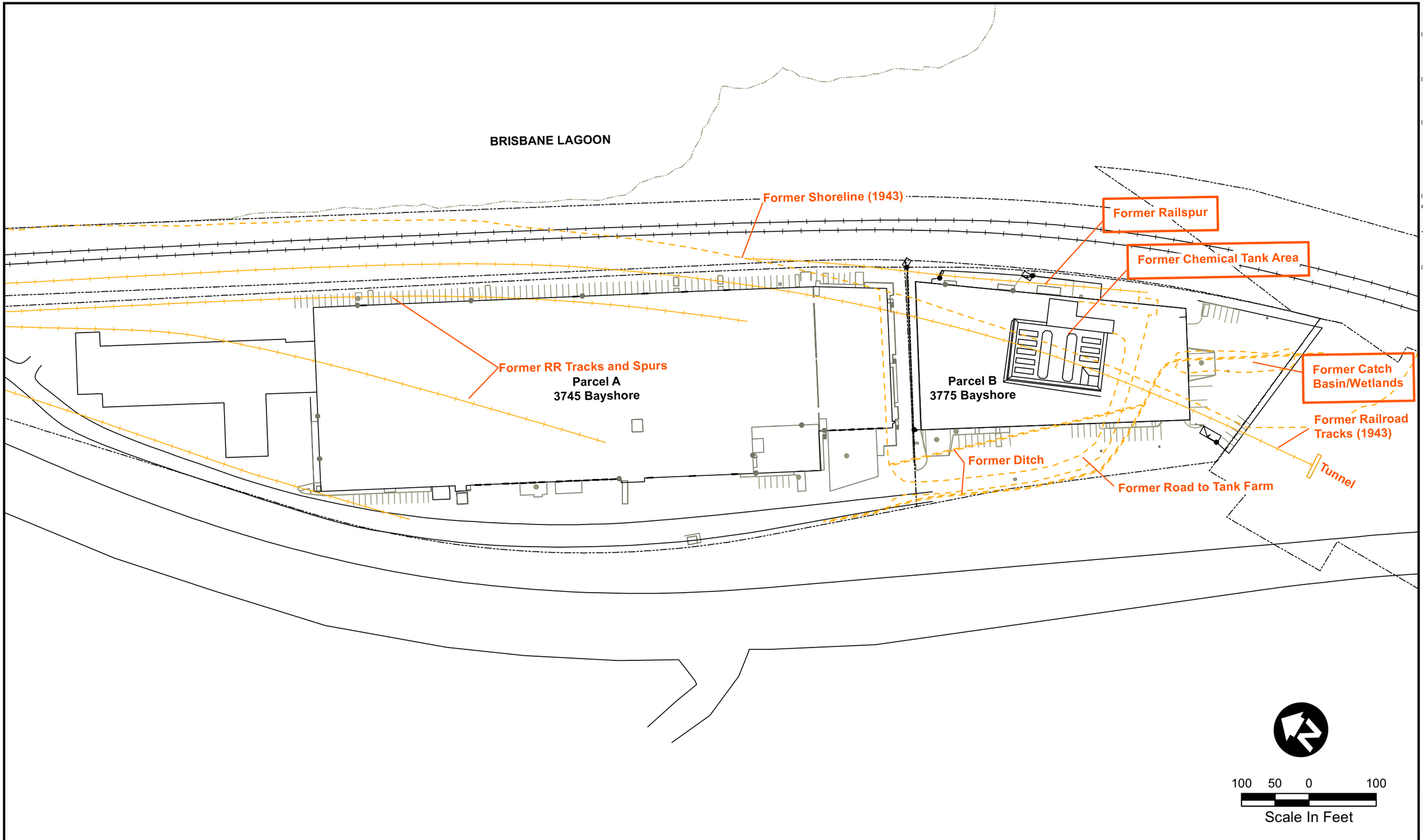

EHS Support	3745 and 3775 Bayshore Blvd Brisbane, CA	SITE PLAN MAP	FIGURE 2

Reviewed By: J. Engels

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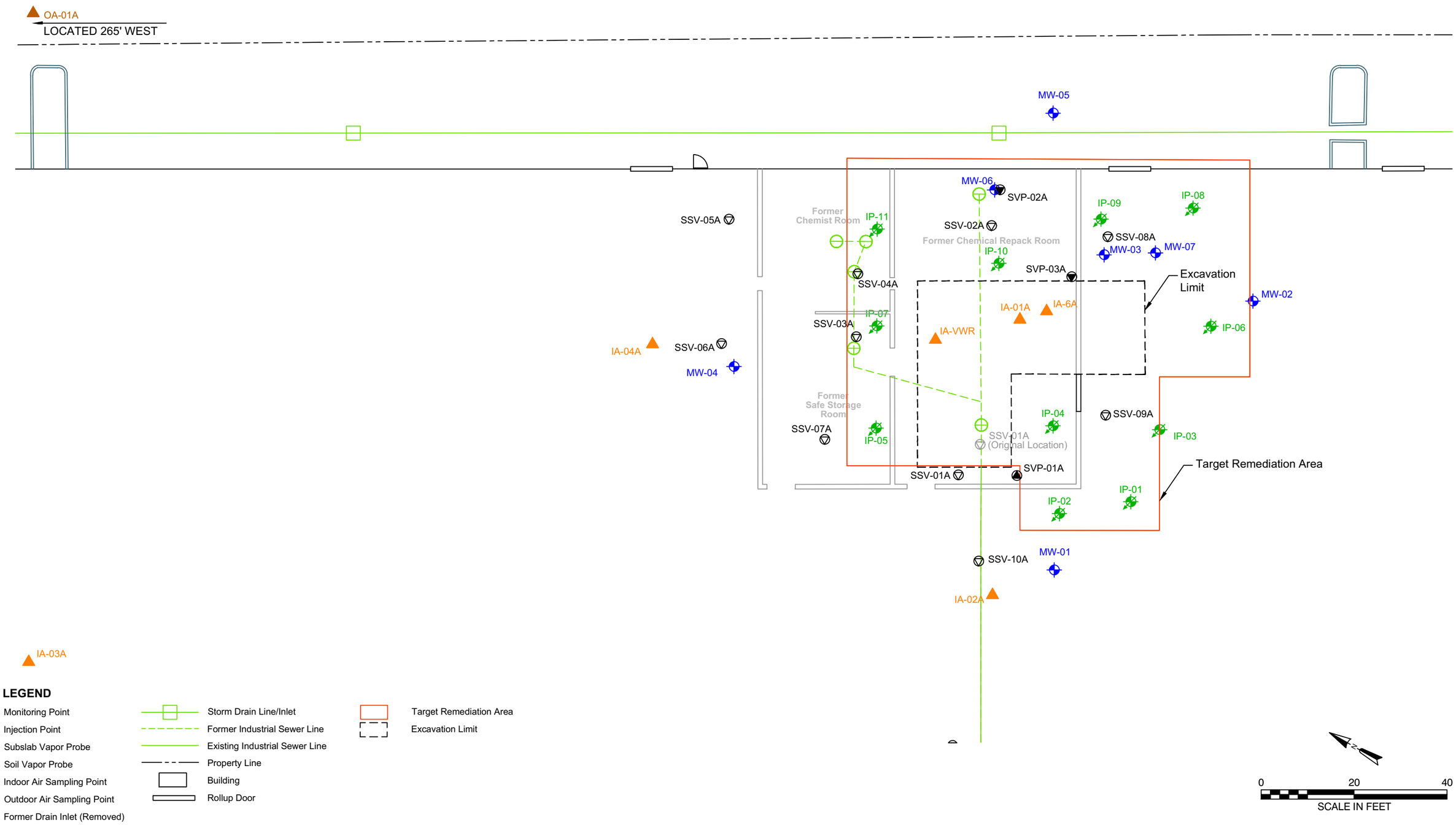


LEGEND

- Monitoring Point
- Injection Point
- Subslab Vapor Probe
- Soil Vapor Probe
- Indoor Air Sampling Point
- Outdoor Air Sampling Point
- Former Drain Inlet (Removed)
- Storm Drain Line/Inlet
- Former Industrial Sewer Line
- Existing Industrial Sewer Line
- Property Line
- Building
- Rollup Door
- Target Remediation Area
- Excavation Limit

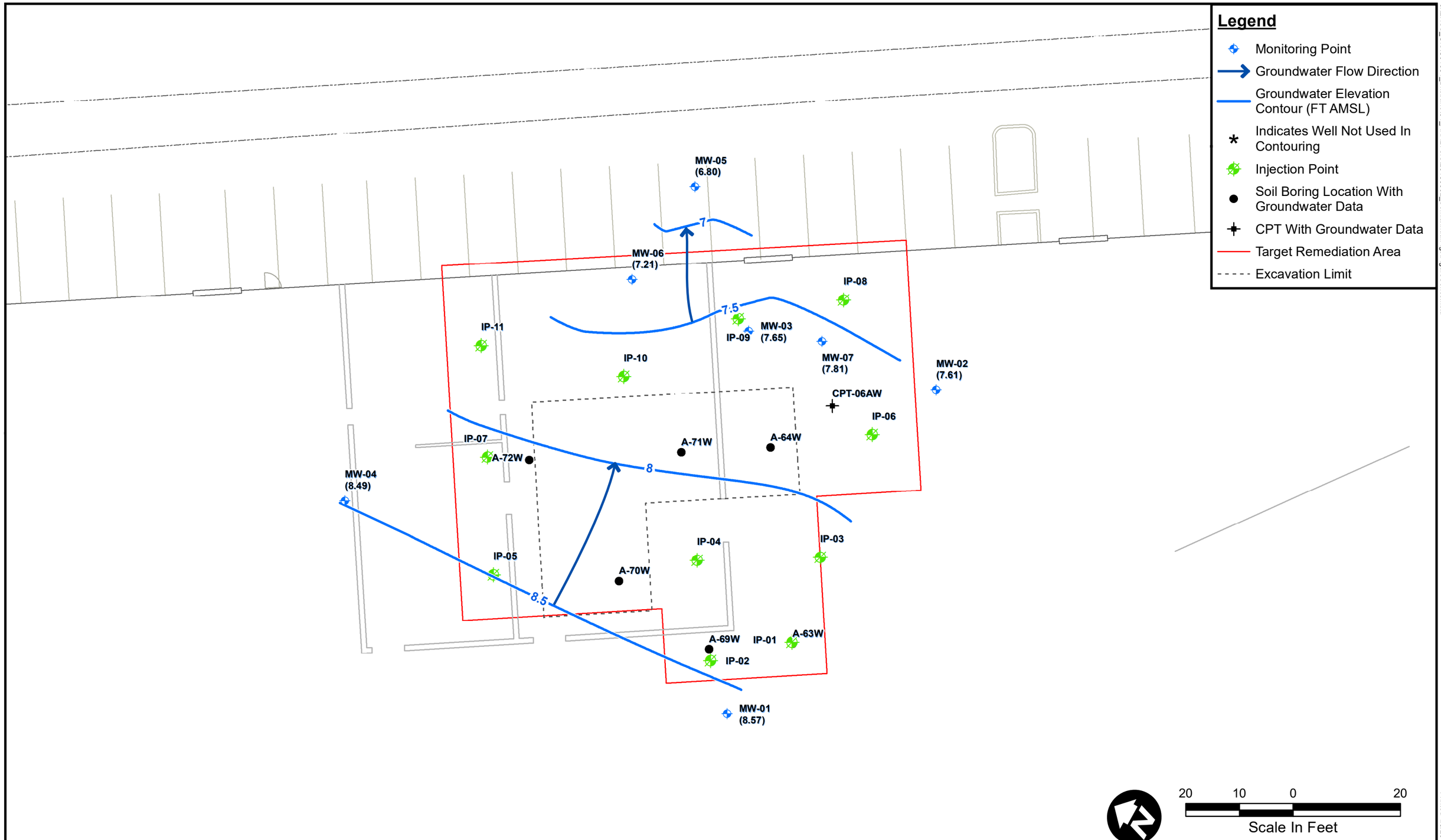
EHS Support

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

3745 BAYSHORE BLVD.
BRISBANE, CALIFORNIA

FIGURE 3
SITE PLAN MAP AND SAMPLE LOCATIONS

Drawn By:	MDO	Date Drawn:	09/2017
Reviewed By:	JE	Date Reviewed:	09/2017
Scale:	1" = 20'	Plot Date:	09/2017
Project Number.:	C01959_2017		



EHS Support	3745 Bayshore Blvd. Brisbane, CA	SITE PLAN AND POTENTIOMETRIC SURFACE MAP (JANUARY 23, 2019)	Figure 4

Reviewed by: G. White

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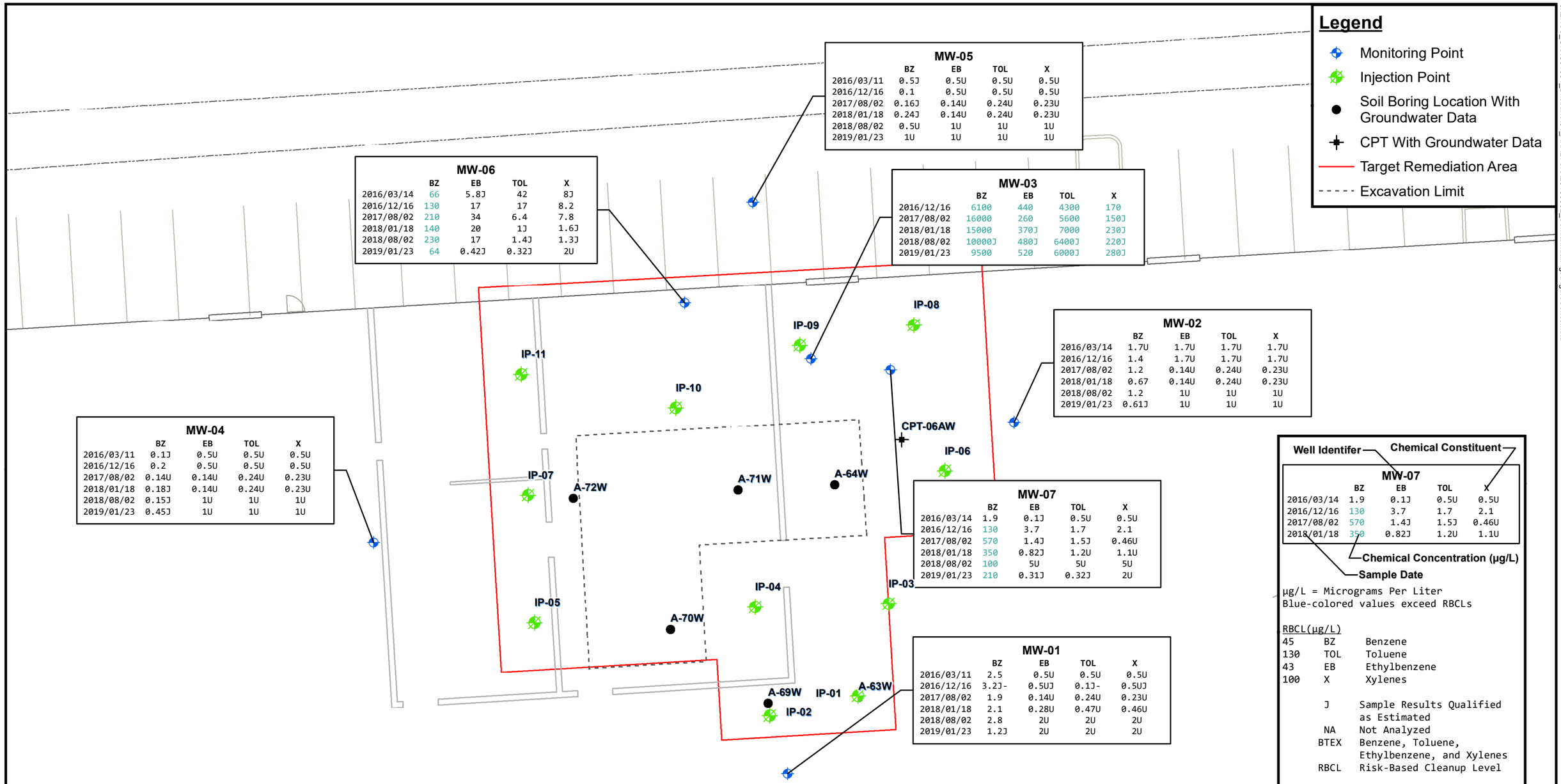

Legend

- Monitoring Point
- Injection Point
- Soil Boring Location With Groundwater Data
- CPT With Groundwater Data
- Target Remediation Area
- Excavation Limit

MW-05

	BZ	EB	TOL	X
2016/03/11	0.5J	0.5U	0.5U	0.5U
2016/12/16	0.1	0.5U	0.5U	0.5U
2017/08/02	0.16J	0.14U	0.24U	0.23U
2018/01/18	0.24J	0.14U	0.24U	0.23U
2018/08/02	0.5U	1U	1U	1U
2019/01/23	1U	1U	1U	1U

MW-06

	BZ	EB	TOL	X
2016/03/14	66	5.8J	42	8J
2016/12/16	130	17	17	8.2
2017/08/02	210	34	6.4	7.8
2018/01/18	140	20	1J	1.6J
2018/08/02	230	17	1.4J	1.3J
2019/01/23	64	0.42J	0.32J	2U

MW-03

	BZ	EB	TOL	X
2016/12/16	6100	440	4300	170
2017/08/02	16000	260	5600	150J
2018/01/18	15000	370J	7000	230J
2018/08/02	10000J	480J	6400J	220J
2019/01/23	9500	520	6000J	280J

MW-02

	BZ	EB	TOL	X
2016/03/14	1.7U	1.7U	1.7U	1.7U
2016/12/16	1.4	1.7U	1.7U	1.7U
2017/08/02	1.2	0.14U	0.24U	0.23U
2018/01/18	0.67	0.14U	0.24U	0.23U
2018/08/02	1.2	1U	1U	1U
2019/01/23	0.61J	1U	1U	1U

MW-04

	BZ	EB	TOL	X
2016/03/11	0.1J	0.5U	0.5U	0.5U
2016/12/16	0.2	0.5U	0.5U	0.5U
2017/08/02	0.14U	0.14U	0.24U	0.23U
2018/01/18	0.18J	0.14U	0.24U	0.23U
2018/08/02	0.15J	1U	1U	1U
2019/01/23	0.45J	1U	1U	1U

MW-07

	BZ	EB	TOL	X
2016/03/14	1.9	0.1J	0.5U	0.5U
2016/12/16	130	3.7	1.7	2.1
2017/08/02	570	1.4J	1.5J	0.46U
2018/01/18	350	0.82J	1.2U	1.1U
2018/08/02	100	5U	5U	5U
2019/01/23	210	0.31J	0.32J	2U

MW-01

	BZ	EB	TOL	X
2016/03/11	2.5	0.5U	0.5U	0.5U
2016/12/16	3.2J-	0.5UJ	0.1J-	0.5UJ
2017/08/02	1.9	0.14U	0.24U	0.23U
2018/01/18	2.1	0.28U	0.47U	0.46U
2018/08/02	2.8	2U	2U	2U
2019/01/23	1.2J	2U	2U	2U

Well Identifer — Chemical Constituent

MW-07

	BZ	EB	TOL	X
2016/03/14	1.9	0.1J	0.5U	0.5U
2016/12/16	130	3.7	1.7	2.1
2017/08/02	570	1.4J	1.5J	0.46U
2018/01/18	350	0.82J	1.2U	1.1U

Chemical Concentration (µg/L)

Sample Date

µg/L = Micrograms Per Liter
Blue-colored values exceed RBCLs

RBCL(µg/L)

45	BZ	Benzene
130	TOL	Toluene
43	EB	Ethylbenzene
100	X	Xylenes

J	Sample Results Qualified as Estimated
NA	Not Analyzed
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
RBCL	Risk-Based Cleanup Level

NOTE: In-situ chemical reduction (ISCR) injection activities were conducted from March 15 to 22, 2016.

20 10 0 20
Scale In Feet

Reviewed by: G. White

EHS Support

3745 Bayshore Blvd.
Brisbane, CA

DISTRIBUTION OF BTEX IN GROUNDWATER

Figure 5

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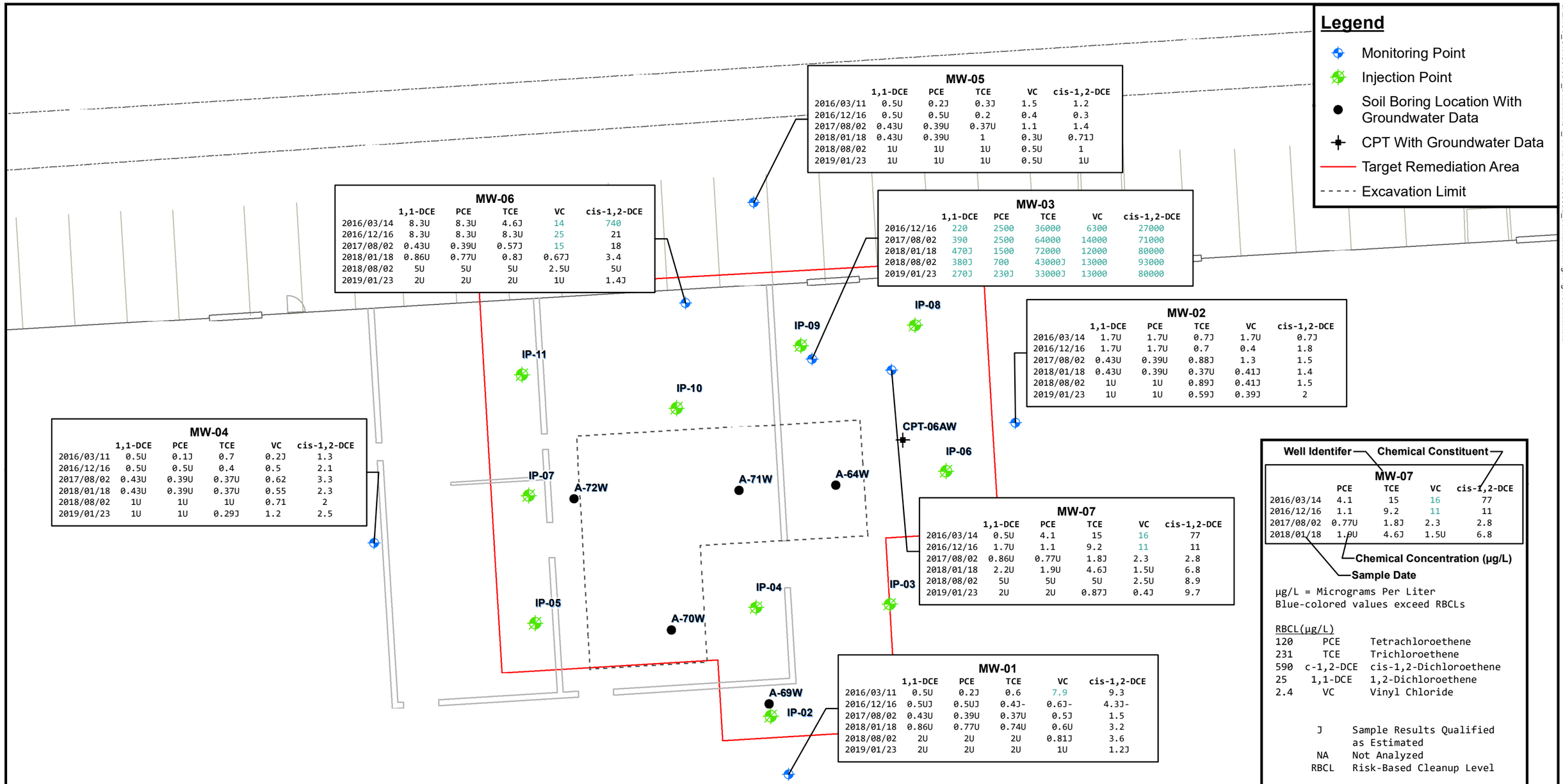

Legend

- Monitoring Point
- Injection Point
- Soil Boring Location With Groundwater Data
- CPT With Groundwater Data
- Target Remediation Area
- Excavation Limit

MW-05

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/11	0.5U	0.2J	0.3J	1.5	1.2
2016/12/16	0.5U	0.5U	0.2	0.4	0.3
2017/08/02	0.43U	0.39U	0.37U	1.1	1.4
2018/01/18	0.43U	0.39U	1	0.3U	0.71J
2018/08/02	1U	1U	1U	0.5U	1
2019/01/23	1U	1U	1U	0.5U	1U

MW-06

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/14	8.3U	8.3U	4.6J	14	740
2016/12/16	8.3U	8.3U	8.3U	25	21
2017/08/02	0.43U	0.39U	0.57J	15	18
2018/01/18	0.86U	0.77U	0.8J	0.67J	3.4
2018/08/02	5U	5U	5U	2.5U	5U
2019/01/23	2U	2U	2U	1U	1.4J

MW-03

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/12/16	220	2500	36000	6300	27000
2017/08/02	390	2500	64000	14000	71000
2018/01/18	470J	1500	72000	12000	80000
2018/08/02	380J	700	43000J	13000	93000
2019/01/23	270J	230J	33000J	13000	80000

MW-02

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/14	1.7U	1.7U	0.7J	1.7U	0.7J
2016/12/16	1.7U	1.7U	0.7	0.4	1.8
2017/08/02	0.43U	0.39U	0.88J	1.3	1.5
2018/01/18	0.43U	0.39U	0.37U	0.41J	1.4
2018/08/02	1U	1U	0.89J	0.41J	1.5
2019/01/23	1U	1U	0.59J	0.39J	2

MW-04

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/11	0.5U	0.1J	0.7	0.2J	1.3
2016/12/16	0.5U	0.5U	0.4	0.5	2.1
2017/08/02	0.43U	0.39U	0.37U	0.62	3.3
2018/01/18	0.43U	0.39U	0.37U	0.55	2.3
2018/08/02	1U	1U	1U	0.71	2
2019/01/23	1U	1U	0.29J	1.2	2.5

MW-07

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/14	0.5U	4.1	15	16	77
2016/12/16	1.7U	1.1	9.2	11	11
2017/08/02	0.86U	0.77U	1.8J	2.3	2.8
2018/01/18	2.2U	1.9U	4.6J	1.5U	6.8
2018/08/02	5U	5U	5U	2.5U	8.9
2019/01/23	2U	2U	0.87J	0.4J	9.7

MW-01

	1,1-DCE	PCE	TCE	VC	cis-1,2-DCE
2016/03/11	0.5U	0.2J	0.6	7.9	9.3
2016/12/16	0.5UJ	0.5UJ	0.4J-	0.6J-	4.3J-
2017/08/02	0.43U	0.39U	0.37U	0.5J	1.5
2018/01/18	0.86U	0.77U	0.74U	0.6U	3.2
2018/08/02	2U	2U	2U	0.81J	3.6
2019/01/23	2U	2U	2U	1U	1.2J

Well Identifer — Chemical Constituent

MW-07

	PCE	TCE	VC	cis-1,2-DCE
2016/03/14	4.1	15	16	77
2016/12/16	1.1	9.2	11	11
2017/08/02	0.77U	1.8J	2.3	2.8
2018/01/18	1.9U	4.6J	1.5U	6.8

Chemical Concentration (µg/L)

Sample Date

µg/L = Micrograms Per Liter
Blue-colored values exceed RBCLs

RBCL(µg/L)

120	PCE	Tetrachloroethene
231	TCE	Trichloroethene
590	c-1,2-DCE	cis-1,2-Dichloroethene
25	1,1-DCE	1,2-Dichloroethene
2.4	VC	Vinyl Chloride

J — Sample Results Qualified as Estimated
NA — Not Analyzed
RBCL — Risk-Based Cleanup Level

NOTE: In-situ chemical reduction (ISCR) injection activities were conducted from March 15 to 22, 2016.

20 10 0 20
Scale In Feet

Reviewed by: G. White

EHS Support

3745 Bayshore Blvd.
Brisbane, CA

DISTRIBUTION OF PCE, TCE, CIS-1,2-DCE, 1,1-DCE, AND VC IN GROUNDWATER

Figure 6

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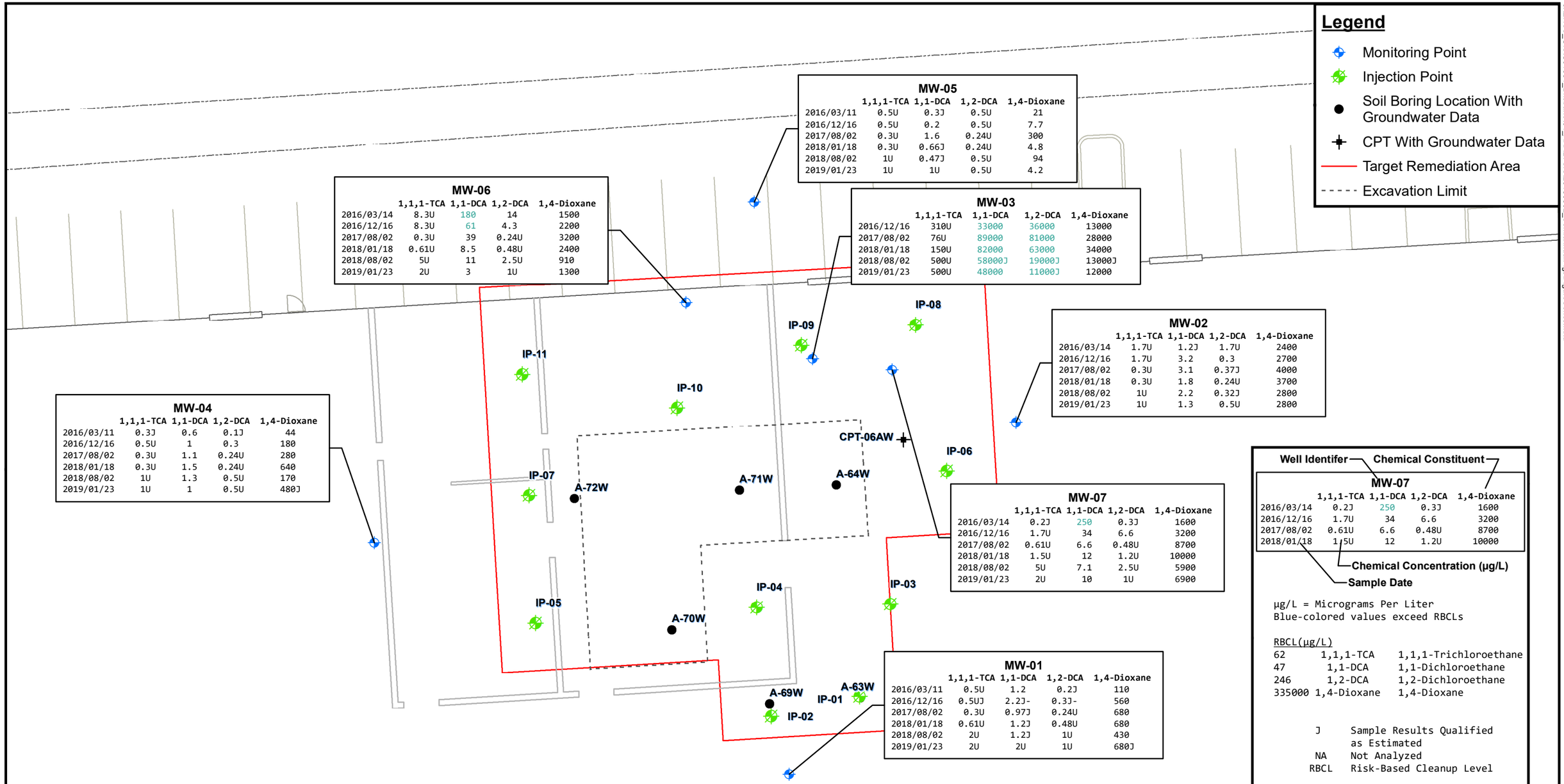

Legend

- Monitoring Point
- Injection Point
- Soil Boring Location With Groundwater Data
- CPT With Groundwater Data
- Target Remediation Area
- Excavation Limit

MW-05

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/11	0.5U	0.3J	0.5U	21
2016/12/16	0.5U	0.2	0.5U	7.7
2017/08/02	0.3U	1.6	0.24U	300
2018/01/18	0.3U	0.66J	0.24U	4.8
2018/08/02	1U	0.47J	0.5U	94
2019/01/23	1U	1U	0.5U	4.2

MW-06

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/14	8.3U	180	14	1500
2016/12/16	8.3U	61	4.3	2200
2017/08/02	0.3U	39	0.24U	3200
2018/01/18	0.61U	8.5	0.48U	2400
2018/08/02	5U	11	2.5U	910
2019/01/23	2U	3	1U	1300

MW-03

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/12/16	310U	33000	36000	13000
2017/08/02	76U	89000	81000	28000
2018/01/18	150U	82000	63000	34000
2018/08/02	500U	58000J	19000J	13000J
2019/01/23	500U	48000	11000J	12000

MW-02

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/14	1.7U	1.2J	1.7U	2400
2016/12/16	1.7U	3.2	0.3	2700
2017/08/02	0.3U	3.1	0.37J	4000
2018/01/18	0.3U	1.8	0.24U	3700
2018/08/02	1U	2.2	0.32J	2800
2019/01/23	1U	1.3	0.5U	2800

MW-04

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/11	0.3J	0.6	0.1J	44
2016/12/16	0.5U	1	0.3	180
2017/08/02	0.3U	1.1	0.24U	280
2018/01/18	0.3U	1.5	0.24U	640
2018/08/02	1U	1.3	0.5U	170
2019/01/23	1U	1	0.5U	480J

MW-07

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/14	0.2J	250	0.3J	1600
2016/12/16	1.7U	34	6.6	3200
2017/08/02	0.61U	6.6	0.48U	8700
2018/01/18	1.5U	12	1.2U	10000
2018/08/02	5U	7.1	2.5U	5900
2019/01/23	2U	10	1U	6900

MW-01

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/11	0.5U	1.2	0.2J	110
2016/12/16	0.5UJ	2.2J-	0.3J-	560
2017/08/02	0.3U	0.97J	0.24U	680
2018/01/18	0.61U	1.2J	0.48U	680
2018/08/02	2U	1.2J	1U	430
2019/01/23	2U	2U	1U	680J

Well Identifer — Chemical Constituent

MW-07

	1,1,1-TCA	1,1-DCA	1,2-DCA	1,4-Dioxane
2016/03/14	0.2J	250	0.3J	1600
2016/12/16	1.7U	34	6.6	3200
2017/08/02	0.61U	6.6	0.48U	8700
2018/01/18	1.5U	12	1.2U	10000

Chemical Concentration (µg/L)

Sample Date

µg/L = Micrograms Per Liter
Blue-colored values exceed RBCLs

RBCL(µg/L)

62	1,1,1-TCA	1,1,1-Trichloroethane
47	1,1-DCA	1,1-Dichloroethane
246	1,2-DCA	1,2-Dichloroethane
335000	1,4-Dioxane	1,4-Dioxane

J Sample Results Qualified as Estimated
NA Not Analyzed
RBCL Risk-Based Cleanup Level

NOTE: In-situ chemical reduction (ISCR) injection activities were conducted from March 15 to 22, 2016.

20 10 0 20
Scale In Feet

Reviewed by: G. White

EHS Support

3745 Bayshore Blvd.
Brisbane, CA

DISTRIBUTION OF 1,1,1-TCA, 1,1-DCA, 1,2-DCA, AND 1,4-DIOXANE IN GROUNDWATER

Figure 7

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Attachment A Site Background

ATTACHMENT A – SITE BACKGROUND
PARCEL A 3745 BAYSHORE BOULEVARD
BRISBANE, CA

Property Description

The property is located in the city of Brisbane, California, a small town on the lower slopes of San Bruno Mountain in San Mateo County (**Figure 1** of main report). The property consists of two parcels totaling 15.2 acres, 3745 and 3775 Bayshore Boulevard (Parcel A and Parcel B, respectively) as shown on **Figure 2** of main report. The former VWR facility was located on Parcel A and now includes a 225,000-square-foot, concrete warehouse and office building constructed in the early 1960's. Former VWR operations included warehousing and distribution of general scientific supplies and chemicals. A former bulk chemical storage facility was located on Parcel B. The Parcel B property includes an 80,000-square-foot, concrete warehouse and office building constructed in 1980. Both the Parcel A and B buildings are constructed on artificial fill, which was placed on above native soil. Since May 2016, the Parcel A and B property have been owned by Prologis.

Brisbane Lagoon is located to the north and east of the property. Brisbane Lagoon is a remnant of San Francisco Bay created during construction of the new United States Highway 101 in the 1950's. The historical SPR Bayshore Railroad Line is currently used by Caltrain and is located immediately east of the property. Land to the south is open space surrounding a freeway overpass and the convergence of Bayshore Boulevard and United States Highway 101. Land use to the west across Bayshore Boulevard includes both residential and commercial/light-industrial. The property is at the base of San Bruno Mountain. The elevation of Bayshore Boulevard immediately west of the property is generally 30 feet higher than the property elevation.

Site Geology

The Parcel A property is underlain by artificial fill material, Bay Mud, and bedrock associated with the Franciscan Assemblage. The Site is located on the western shore of the Brisbane Lagoon, a remnant of San Francisco Bay and situated partially on manmade land. Borings have been advanced for both geotechnical and remedial investigation purposes. To date, investigation borings at the Parcel A property have been advanced to depths ranging from approximately 6 to 20 feet below ground surface (bgs), predominantly targeting the fill material and upper Bay Mud.

The fill material beneath Parcel A is approximately 4 to 8 feet thick and consists of two layers (lighter "upper" and darker "lower" fill). The floor of the Parcel A building is raised approximately 3 feet above the parking lot and the upper fill beneath the building is found up to 4 feet below the concrete slab foundation. In the asphalt parking areas outside the Parcel A building, upper fill is approximately 1 to 2 feet below ground surface (bgs). The upper fill is light brown to yellowish brown and consists of silty sand, gravel, minor amount of clay, and minimal amount of debris (ERM, 2016).

The lower fill material, generally located beneath the upper fill, was found throughout Parcel A except in the northwestern corner of the Parcel A building. The lower fill is approximately 4 to 8 feet bgs beneath the Parcel A building and approximately 2 to 8 feet bgs outside the building. The lower fill was described as reddish brown/dark brown to black and consists of silty sand, gravel, and clay with abundant debris

including nails, wood, brick, glass, ceramics, metal, and some rubber debris. Based on previous soil excavation conducted at the Parcel A property in the vicinity of the former Chemical Handling Room, the depth of the lower fill material was encountered to approximately 8 feet bgs (ERM, 2016).

Underlying the fill material is Young Bay Mud, which is sometimes intermixed with the fill material. The Young Bay Mud layer beneath the Parcel A building is encountered approximately 8 to 10 feet bgs and extends at least 20 feet bgs, which is the extent of site investigations within Parcel A. The Young Bay Mud layer ranges in thickness to approximately 50 feet in the region. The Young Bay Mud is medium stiff to soft, gray lean clay, with varying amounts of silt and sand, and often containing shell fragments.

Site Hydrogeology

Groundwater at the Site is shallow, consistent with the proximity to San Francisco Bay. Based on water levels recorded during previous monitoring at the Parcel A property, groundwater was encountered from approximately 5 to 14 feet bgs, just above or within the fill material and/or Young Bay Mud. Groundwater generally flows to the east or northeast, likely due to the influence of the natural regional gradient towards the Brisbane Lagoon (ERM, 2016).

References

ERM. (2016). *Final Parcel A Remedial Design and Implementation Plan, 3745 Bayshore Blvd, Brisbane, California.* March.

Attachment B Field Sampling Forms and Calibration Sheets (Indoor Air)

INDOOR AIR VAPOR SAMPLING LOG

PROJECT INFORMATION	
Project: Univar Brisbane Parcel A	Sample Location: IA-01A + Dup-01
SAMPLE COLLECTION	
Sample ID: IA-01A	Sample Time:
Sample Flow Rate (mL/min): 8hr	Sample Analyses: TO-15
Canister ID: (SN): D514	Canister Volume: 6L
Start Time: 8am	End Time: 1540
Initial Canister Vacuum ("Hg): 30	Final Canister Vacuum ("Hg): 7
Duplicate Collected? (Yes) No	If yes, identify below
Duplicate ID: DUP-01	Duplicate Analyses: TO-15

FC 462

AMBIENT CONDITIONS

Date	Time	Temperature (°C)	Humidity (%)	Barometer (in)	Wind Speed (MPH)	Wind Direction

***Use a separate indoor air vapor sampling log to record canister information for each additional canister and any duplicates.**

COMMENTS

DUP - D649 FC64
start 30 End 8" Hg

Notes:

"H_2O - Inches of water

mL/min - milliliters per minute

SN - Serial number

"Hg - Inches of mercury

AMBIENT AIR VAPOR SAMPLING LOG

PROJECT INFORMATION	
Project: Univar Brisbane Parcel A	Sample Location: OA-01A
SAMPLE COLLECTION	
Sample ID: OA-01A	Sample Time:
Sample Flow Rate (mL/min): 8L	Sample Analyses: TO-15
Canister ID: (SN): D510	Canister Volume: 6L
Start Time: 815	End Time: 1800
Initial Canister Vacuum ("Hg): 30	Final Canister Vacuum ("Hg): 7
Duplicate Collected? Yes (No)	If yes, identify below
Duplicate ID:	Duplicate Analyses:

FC = FC18

AMBIENT CONDITIONS

Date	Time	Temperature (°C)	Humidity (%)	Barometer (in)	Wind Speed (MPH)	Wind Direction

***Use a separate ambient air vapor sampling log to record canister information for each additional canister and any duplicates.**

COMMENTS

Notes:

"H_2O - Inches of water

mL/min - milliliters per minute

SN - Serial number

"Hg - Inches of mercury

APPENDIX L - BUILDING SURVEY FORM

Preparer's Name: Tim Davis
Date/Time Prepared: 1/22 730
Affiliation: EHS- Support
Phone Number: 916-597-3584

Occupant Information

Occupant Name: The Real Real
Interviewed: ☐ Yes ☑ No
Mailing Address: 3745 Bayshore Blvd
City: Brisbane
State: CA
Zip Code:
Phone: 415 - 705 - 9571
Email: derek.chowing@therealreal.com

Owner/Landlord Information (Check if same as occupant ☐)

Occupant Name: Prologis
Interviewed: ☐ Yes ☐ No
Mailing Address: Pier 1 BAY 1
City: San Francisco
State: CA
Zip Code:
Phone: 415-735-9431
Email: JFrenatel@prologis.com

Building Type (Check appropriate boxes)

☐ Residential ☐ Residential Duplex ☐ Apartment Building ☐ Mobile Home ☐ Commercial (office)
☑ Commercial (warehouse) ☐ Industrial ☐ Strip Mall ☐ Split Level ☐ Church ☐ School

Building Characteristics

Approximate Building Age (years): 38
Number of Stories: 1
Approximate Building Area (square feet):
Number of Elevators: Ø

Foundation Type (Check appropriate boxes)

☒ Slab-on-Grade ☐ Crawl Space ☐ Basement

Basement Characteristics (Check appropriate boxes)

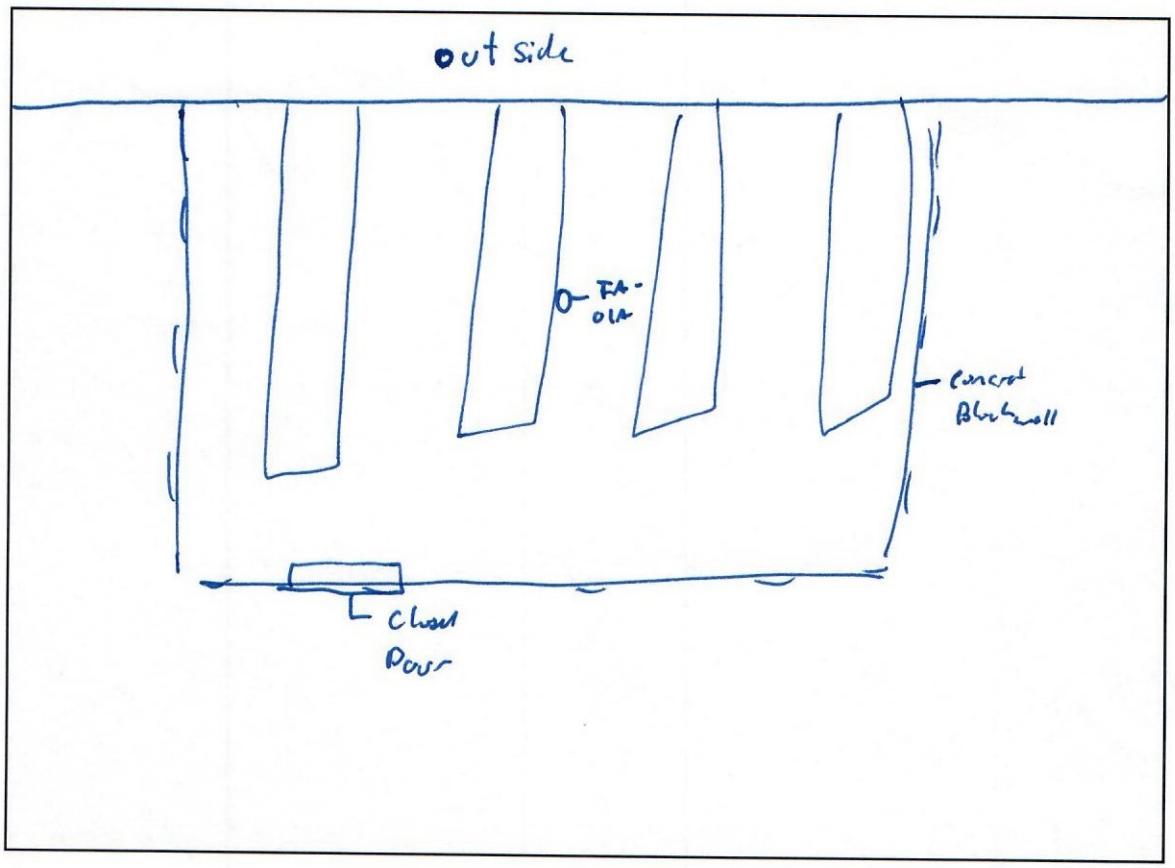
☐ Dirt Floor ☐ Sealed ☐ Wet Surfaces ☐ Sump Pump ☐ Concrete Cracks ☐ Floor Drains

Factors Influencing Indoor Air Quality

Is there an attached garage?	☐ Yes	☒ No	
Is there smoking in the building?	☐ Yes	☒ No	
Is there new carpet or furniture?	☐ Yes	☒ No	Describe:
Have clothes or drapes been recently dry cleaned?	☐ Yes	☒ No	Describe:
Has painting or staining been done with the last six months?	☐ Yes	☒ No	Describe:
Has the building been recently remodeled?	☐ Yes	☒ No	Describe:
Has the building ever had a fire?	☐ Yes	☒ No	
Is there a hobby or craft area in the building?	☐ Yes	☒ No	Describe:
Is gun cleaner stored in the building?	☐ Yes	☒ No	
Is there a fuel oil tank on the property?	☐ Yes	☒ No	
Is there a septic tank on the property?	☐ Yes	☒ No	
Has the building been fumigated or sprayed for pests recently?	☐ Yes	☒ No	Describe:
Do any building occupants use solvents at work?	☒ Yes	☐ No	Describe:

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.



Primary Type of Energy Used (Check appropriate boxes)

☐ Natural Gas ☐ Fuel Oil ☐ Propane ☐ Electricity ☐ Wood ☐ Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.
See weather sheet

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

APPENDIX M – BUILDING SCREENING FORM

Occupant of Building The Real Real

Address 3745 Bayshore Blvd

City Brisbane, CA

Field Investigator T. Davis Date 1/22

Field Instrument Reading	Measurement Location (Ambient Air, Foundation Opening, or Consumer Product)	If Consumer Product, Potential Volatile Ingredients
15 ppb	IA-OIA	NA
15 ppb	velvet Fruit	NA
7 ppb	outside velvet	NA
0.0 ppb	OA-OIA	NA

Comments:

37.6 °N, **122.38** °W

San Francisco International Airport, California ★

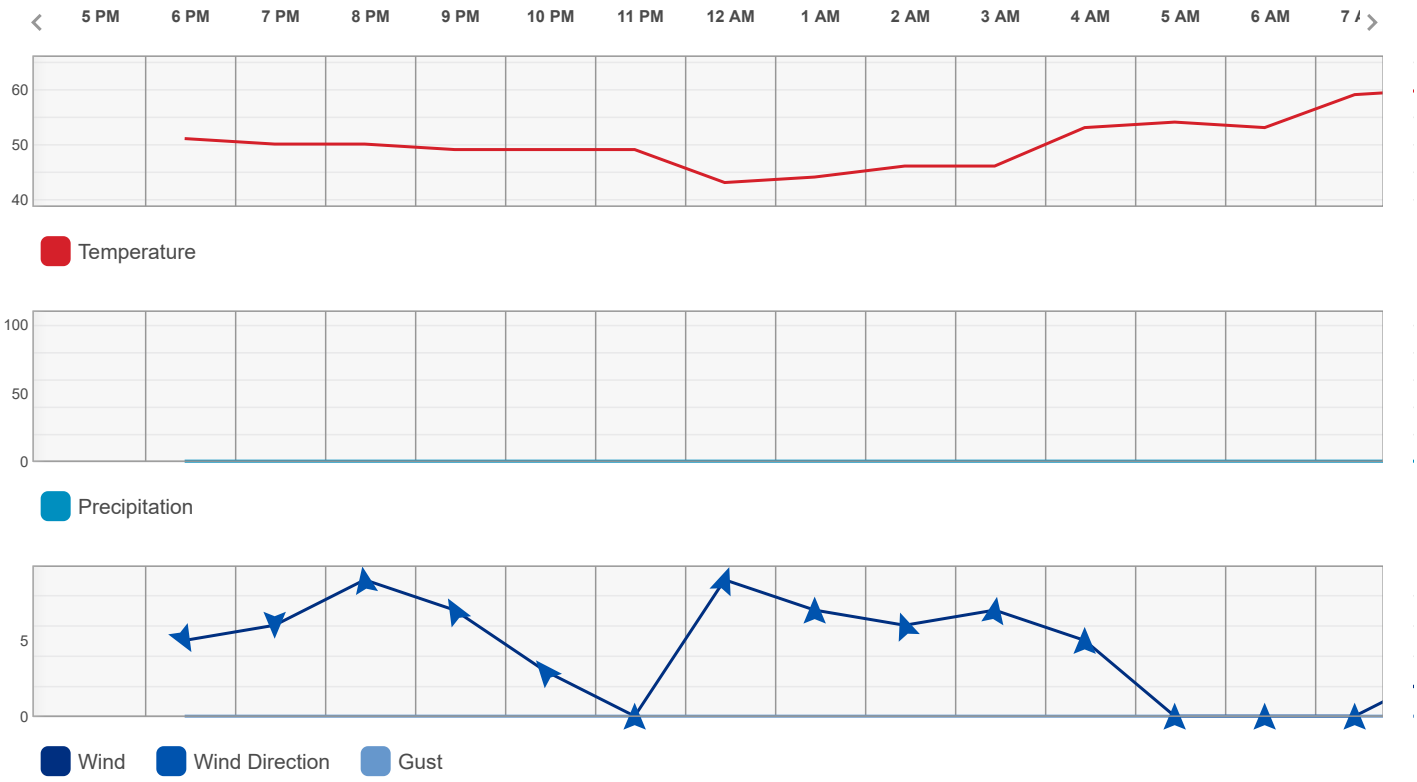
59° SAN FRANCISCO INTERNATIONAL AIRPORT STATION (/HISTORY/DAILY/US/CA/SAN-FRANCISCO/KSFO/DATE/2019-6-19?CM_VEN=LOCALWX_PWSDASH) | CHANGE

HISTORY (/HISTORY/DAILY/US/CA/SAN-FRANCISCO/KSFO/DATE/2019-6-19)

- TODAY (/WEATHER/US/CA/SOUTH-SAN-FRANCISCO/37.67,-122.40)
- HOURLY (/HOURLY/US/CA/SOUTH-SAN-FRANCISCO/37.67,-122.40)
- 10-DAY (/FORECAST/US/CA/SOUTH-SAN-FRANCISCO/37.67,-122.40)
- CALENDAR (/CALENDAR/US/CA/SAN-FRANCISCO/KSFO/DATE/2019-6)
- HISTORY (/HISTORY/DAILY/US/CA/SAN-FRANCISCO/KSFO/DATE/2019-6-19)
- WUNDERMAP (/WUNDERMAP?LAT=37.604&LON=-122.377)

Daily | Weekly | Monthly

January | 22 | 2019 | View



Summary

No data recorded

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Precip Accum	Condition
5:56 PM	51 ° F	39 ° F	63 %	SSE	5 mph	0 mph	30.3 in	0.0 in	0.0 in	Fair
6:56 PM	50 ° F	39 ° F	66 %	S	6 mph	0 mph	30.3 in	0.0 in	0.0 in	Fair
7:56 PM	50 ° F	40 ° F	68 %	N	9 mph	0 mph	30.3 in	0.0 in	0.0 in	Fair
8:56 PM	49 ° F	38 ° F	66 %	NNW	7 mph	0 mph	30.3 in	0.0 in	0.0 in	Fair
9:56 PM	49 ° F	38 ° F	66 %	NW	3 mph	0 mph	30.3 in	0.0 in	0.0 in	Fair
10:56 PM	49 ° F	32 ° F	52 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair
11:56 PM	43 ° F	35 ° F	74 %	NNE	9 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair
12:56 AM	44 ° F	34 ° F	68 %	N	7 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
1:56 AM	46 ° F	31 ° F	56 %	NNW	6 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
2:56 AM	46 ° F	33 ° F	61 %	N	7 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
3:56 AM	53 ° F	31 ° F	43 %	N	5 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
4:56 AM	54 ° F	32 ° F	43 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
5:56 AM	53 ° F	31 ° F	43 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
6:56 AM	59 ° F	28 ° F	31 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Mostly Cloudy
7:56 AM	60 ° F	31 ° F	33 %	ESE	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
8:56 AM	60 ° F	30 ° F	32 %	E	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
9:56 AM	59 ° F	34 ° F	39 %	NE	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
10:56 AM	57 ° F	37 ° F	47 %	WNW	6 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
11:56 AM	55 ° F	38 ° F	53 %	W	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
12:56 PM	53 ° F	36 ° F	52 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Partly Cloudy
1:56 PM	52 ° F	34 ° F	50 %	SSE	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair
2:56 PM	51 ° F	33 ° F	50 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair
3:56 PM	50 ° F	33 ° F	52 %	WSW	3 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair
4:56 PM	50 ° F	33 ° F	52 %	CALM	0 mph	0 mph	30.4 in	0.0 in	0.0 in	Fair

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Here Are The Top 40 Places You Should Never Ever Swim

Science101

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You Should Never Shop on Amazon Without Using This Trick – Here’s Why

Honey

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(http://sportschew.com/defensive-linemen-nfl-history/?v=tdnil3a-8&utm_content=tdnil3a-8&utm_source=taboola&utm_medium=theweatherchannel-wunderground&utm_term=The+Greatest+Linemen+In+History.+The+Most+Underrated+Position+In+The+NFL&utm_campaign=tdnil3a)

The Greatest Linemen In History. The Most Underrated Position In The NFL

SportsChew

(http://sportschew.com/defensive-linemen-nfl-history/?v=tdnil3a-8&utm_content=tdnil3a-8&utm_source=taboola&utm_medium=theweatherchannel-wunderground&utm_term=The+Greatest+Linemen+In+History.+The+Most+Underrated+Position+In+The+NFL&utm_campaign=tdnil3a)
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(https://247sports.com/ContentGallery/The-Highest-Paid-NBA-Players-in-2019-Ranked-128522204/?ftag=ACQ-00-10aca7c&vndid=theweatherchannel-wunderground)

The Highest-Paid NBA Players In 2019, Ranked

247 Sports

(https://247sports.com/ContentGallery/The-Highest-Paid-NBA-Players-in-2019-Ranked-128522204/?ftag=ACQ-00-10aca7c&vndid=theweatherchannel-wunderground)
(http://misterstocks.com/trending/genius-wd-40-uses-can-save-lots-time-energy-m/?utm_source=taboola&utm_medium=theweatherchannel-wunderground&utm_campaign=1947305&utm_term=There%27s+One+WD-40+Trick+Everyone+Must+Know&utm_content=http%3A%2F%2Fcdn.taboola.com%2Flibtrc%2Fstatic%2Fthumbnails%2Fb520ba3ac2f1d0dcab0ff5a35e1cbf95.jpg)

There's One WD-40 Trick Everyone Must Know

MisterStocks

(http://misterstocks.com/trending/genius-wd-40-uses-can-save-lots-time-energy-m/?utm_source=taboola&utm_medium=theweatherchannel-wunderground&utm_campaign=1947305&utm_term=There%27s+One+WD-40+Trick+Everyone+Must+Know&utm_content=http%3A%2F%2Fcdn.taboola.com%2Flibtrc%2Fstatic%2Fthumbnails%2Fb520ba3ac2f1d0dcab0ff5a35e1cbf95.jpg)
(https://get.eargo.com/taboola?utm_source=Taboola&utm_medium=cpc&utm_campaign=src05-cnl06-spnd01-cmp02-businessprofessionals_desktop_Apr2019&utm_adgroup=203592061&utm_ad=http%3A%2F%2Fcdn.taboola.com%2Fstatic%2F80%2F80f00257-8f77-4bbd-a6d7-ba87d8f93a0c.jpg&utm_copy=The+revolutionary+new+hearing+aid+that+will+change+your+life%21&utm_device=Desktop&utm_campaignid=2092985&utm_publisher=theweatherchannel-wunderground)

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(https://www.history-a2z.com/20-of-the-worlds-scariest-bridges/?utm_source=329&utm_medium=taboola&utm_term=theweatherchannel-wunderground&utm_content=The+World%60s+Most+Dangerous+Bridges&utm_campaign=CEx201906121406271x0xinc-all_2346943)

The World`s Most Dangerous Bridges

History A2Z

(https://www.history-a2z.com/20-of-the-worlds-scariest-bridges/?utm_source=329&utm_medium=taboola&utm_term=theweatherchannel-wunderground&utm_content=The+World%60s+Most+Dangerous+Bridges&utm_campaign=CEx201906121406271x0xinc-all_2346943)

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Attachment C Field Sampling Forms and Calibration Sheets (Soil Vapor/Subslab)

SOIL VAPOR SAMPLING DATA SHEET

Sheet 1 of 1

A. GENERAL INFORMATION

3745 BAYSHORE BLVD.

SITE: BRISBANE

WELL ID: SSU-01A

SAMPLER: BF

SAMPLING DATE: 01/23/19

SHIPPING DATE: _____

Static Well Pressure: N/A "HG

Purge Flow: 200 mL/min

Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -25 End inHg: -25

2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 363 mL START = 1046 STOP = 1048

3. Helium Gas Concentration in shroud: ~30% %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ~30 %

5. Post purge leak check using Helium Detector: 0 %

6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

MANIFOLD ID: SGM-156 DUP TEE #54

SAMPLE

SAMPLE ID: SSU-01A

VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg

CANISTER SERIAL NO.: LC961 FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: 1048 END: ~~1048~~ BF 1058

CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg

LABORATORY: EUROFINS

SAMPLE DUPLICATE

SAMPLE ID: DUP-01A

VACUUM TEST (PASS/FAIL, VACUUM): -30" Hg

CANISTER SERIAL NO.: LC1176 FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: 1048 END: 1058

CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg

LABORATORY: EUROFINS

SAMPLER SIGNATURE

SOIL VAPOR SAMPLING DATA SHEET

Sheet 1 of 1

A. GENERAL INFORMATION

SITE: 3745 BAYSHORE BLVD BRISBANE
WELL ID: SSU-02A
SAMPLER: BK

SAMPLING DATE: 01/23/19
SHIPPING DATE: _____

Static Well Pressure: N/A "HG
Purge Flow: 200 mL/min
Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -28 End inHg: -28
2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 342 mL START - 1206 STOP - 1208
3. Helium Gas Concentration in shroud: ~30% %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ~30% %
5. Post purge leak check using Helium Detector: 0 %
6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

SAMPLE

SAMPLE ID: SSU-02A
VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg
MANIFOLD # SGM431
CANISTER SERIAL NO.: LC10009 FLOW RATE (mL/min): 200 mL/min
SAMPLE TIME: START: 1209 END: 1214
CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg
LABORATORY: EUROFINS

SAMPLE

SAMPLE ID: _____
VACUUM TEST (PASS/FAIL, VACUUM): _____
CANISTER SERIAL NO.: _____ FLOW RATE (mL/min): 200 mL/min
SAMPLE TIME: START: _____ END: _____
CANISTER VACUUM: INITIAL: _____ FINAL: _____
LABORATORY:

BK
SAMPLER SIGNATURE

SOIL VAPOR SAMPLING DATA SHEET

Sheet 1 of 1

A. GENERAL INFORMATION

3745 BAYSHORE BLVD

SITE: BRISBANE

WELL ID: SSV-08A

SAMPLER: BK

SAMPLING DATE: 01/23/19

SHIPPING DATE: _____

Static Well Pressure: N/A "HG

Purge Flow: 200 mL/min

Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -26 End inHg: -26

2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 357 ml START: 1236 STOP: 1238

3. Helium Gas Concentration in shroud: ~30% %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ~30% %

5. Post purge leak check using Helium Detector: 0 %

6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

SAMPLE

SAMPLE ID: SSV-08A

VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg

MANIFOLD # SGM228

CANISTER SERIAL NO.: LC746 FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: 1240 END: 1245

CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg

LABORATORY: EUROFINS

SAMPLE

SAMPLE ID: _____

VACUUM TEST (PASS/FAIL, VACUUM): _____

CANISTER SERIAL NO.: _____ FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: _____ END: _____

CANISTER VACUUM: INITIAL: _____ FINAL: _____

LABORATORY:

SAMPLER SIGNATURE

SOIL VAPOR SAMPLING DATA SHEET

Sheet 1 of 1

A. GENERAL INFORMATION

SITE: 3745 BAYSHORE BLVD BRISBANE, CA

WELL ID: SV2-01A

SAMPLER: DK

SAMPLING DATE: 01/23/19

SHIPPING DATE: _____

Static Well Pressure: N/A "HG

Purge Flow: 200 mL/min

Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -26 End inHg: -26

2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 1720 mL START = 1008 STOP = 1017

3. Helium Gas Concentration in shroud: ~30 %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ~30 %

5. Post purge leak check using Helium Detector: 0 %

6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

SAMPLE

SAMPLE ID: SV2-01A

VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg

MANIFOLD # SGM500

CANISTER SERIAL NO.: LC1051 FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: 1018 END: 1023

CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg

LABORATORY:

SAMPLE

SAMPLE ID: _____

VACUUM TEST (PASS/FAIL, VACUUM): _____

CANISTER SERIAL NO.: _____ FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: _____ END: _____

CANISTER VACUUM: INITIAL: _____ FINAL: _____

LABORATORY:

DK

SAMPLER SIGNATURE

SOIL VAPOR SAMPLING DATA SHEET

Sheet 1 of 1

A. GENERAL INFORMATION

3745 BAYSHORE BLVD

SITE: BRISBANE

WELL ID: SVP-02A

SAMPLER: DK

SAMPLING DATE: 01/23/19

SHIPPING DATE: _____

Static Well Pressure: N/A "HG

Purge Flow: 200 mL/min

Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -25 End inHg: -25

2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 1416 mL START = 1128 STOP = 1136

3. Helium Gas Concentration in shroud: ~30% %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ~30% %

5. Post purge leak check using Helium Detector: 0 %

6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

SAMPLE

SAMPLE ID: SVP-02A

VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg

MANIFOLD & SGM 255

CANISTER SERIAL NO.: SC043 FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: 1138 END: 1143

CANISTER VACUUM: INITIAL: -30" Hg FINAL: -5" Hg

LABORATORY: EUROFINS

SAMPLE

SAMPLE ID: _____

VACUUM TEST (PASS/FAIL, VACUUM): _____

CANISTER SERIAL NO.: _____ FLOW RATE (mL/min): 200 mL/min

SAMPLE TIME: START: _____ END: _____

CANISTER VACUUM: INITIAL: _____ FINAL: _____

LABORATORY:

SAMPLER SIGNATURE

SOIL VAPOR SAMPLING DATA SHEET

Sheet ___ of ___

A. GENERAL INFORMATION

SITE: 3745 BAYSHORE BLVD, BRISBANE
WELL ID: SVP-03A
SAMPLER: BK

SAMPLING DATE: 01/23/19
SHIPPING DATE: _____

Static Well Pressure: N/A "HG
Purge Flow: 200 mL/min
Ambient Temperature: _____ °F

B. SAMPLE PURGE INFORMATION

1. Perform Vaccum Shut In Test (Pass / Fail) Start inHg: -26 End inHg: -26
2. Probe purged of 3 volumes prior to collection of sample. Total Purge Volume: 1489mL START= 0916 STOP= 0925
3. Helium Gas Concentration in shroud: ±30 %

Date/Time	~~O2 (%)~~	~~CO2 (%)~~	~~Methane-W (%)~~	~~Methane-WO (%)~~	~~LEL-W (%)~~	~~LEL-WO (%)~~		Comments (vacuum, duplicate reading, etc...)
N/A								

4. Leak Testing compound: Helium Helium Gas Concentration in shroud: ±30% %
5. Post purge leak check using Helium Detector: 0 %
6. Collect sample using Summa Canisters at each sample location. Check the pressure in the canisters at start of sample. Stop sample collection with 5 in. Hg remaining in Summa Canisiter.

SAMPLE

SAMPLE ID: SVP-03A
VACUUM TEST (PASS/FAIL / VACUUM): -30" Hg
FLOW ID# SGM484
CANISTER SERIAL NO.: LC061 FLOW RATE (mL/min): 200 mL/min
SAMPLE TIME: START: 0926 END: 0931
CANISTER VACUUM: INITIAL: -30" Hg FINAL: ~~-30"~~ -5" Hg
LABORATORY:

SAMPLE

SAMPLE ID: _____
VACUUM TEST (PASS/FAIL, VACUUM): _____
CANISTER SERIAL NO.: _____ FLOW RATE (mL/min): 200 mL/min
SAMPLE TIME: START: _____ END: _____
CANISTER VACUUM: INITIAL: _____ FINAL: _____
LABORATORY:

SAMPLER SIGNATURE

Attachment D Field Sampling Forms and Calibration Sheets (Groundwater)

WELL GAUGING DATA

Project # 180123LR-1 Date 1/23/19 Client EHS Support

Site 3745 Bayshore Blvd. Brisbane

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-01	0852	2					7.18	16.91		
MW-02	0856	2					7.93	17.30		
MW-03	0857	2					8.08	16.76		
MW-04	0847	2					7.11	16.90		
MW-05	0758	2					4.21	15.12		
MW-06	0917	2					7.74	16.46		
MW-07	0904	2					7.98	16.72		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: TN	Start Date: 1/23/19
Well I.D.: MW-01	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.91	Depth to Water Pre: 7.18 Post: 7.21
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or YSI Pro Plus

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____
Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 100 mL/min Pump Depth: 12 ft.(ref. TOC)

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0922	17.9	6.45	19565	48	TN ~~87.6~~ 7.15	-62.4	300	DTW(ft) if req'd 7.18
0925	18.0	6.24	19806	22	3.56	-66.3	600	7.18
0928	18.0	6.22	19781	15	2.73	-64.2	900	7.18
0931	18.1	6.19	19826	13	2.04	-62.4	1200	7.18
0934	18.1	6.16	19846	12	1.00	-62.6	1500	7.20
0937	18.1	6.15	19855	10	0.78	-62.8	1800	7.20
TN ~~0940~~ 0940	18.2	6.14	19868	9	0.57	-59.0	2100	7.20
0943	18.2	6.13	19868	9	0.38	-64.2	2400	7.20
0946	18.2	6.13	19828	8	0.37	-65.0	2700	7.21
0949	18.2	6.13	19850	8	0.35	-64.8	3000	7.21

Did well dewater? Yes (No) Amount actually evacuated: 3000 gals. or mL

Sampling Time: 0955 Sampling Date: 1/23/19

Sample I.D.: MW-01 Laboratory: Eurofins Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: TN	Start Date: 01/23/19
Well I.D.: MW-02	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.30	Depth to Water Pre: 7.93 Post: 8.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or YSI Pro Plus

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____
Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 100 mL/min Pump Depth: 12 ft.(ref. TOC)

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations DTW(ft) if req'd
1122	18.0	6.78	10277	110	2.06	-56.0	300	7.93
1125	17.5	6.62	10042	98	1.76	-45.1	600	7.95
1128	17.5	6.51	9943	81	1.33	-34.1	900	7.98
1131	17.5	6.34	9879	72	~~12.1~~ 1.12	-22.0	1200	8.00
1134	17.5	6.25	9883	62	1.04	-19.8	1500	8.10
1137	17.5	6.22	9933	56	1.14	-18.6	1800	8.21
1140	17.5	6.20	10021	47	1.08	-20.1	2100	8.30
1143	17.5	6.19	10044	38	0.37	-20.3	2400	8.40
1146	17.5	6.19	10058	32	0.34	-20.4	2700	8.43
1149	17.5	6.18	10105	32	0.30	-22.4	3000	8.51
1150	17.5	6.18	10157	31	0.29	-23.5	3300	8.54

Did well dewater? Yes (No) Amount actually evacuated: 3300 gals. or (mL)

Sampling Time: 1156 Sampling Date: 1/23/19

Sample I.D.: MW-02 Laboratory: Eurofins Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: TN	Start Date: 1/23/19
Well I.D.: MW-03	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.76	Depth to Water Pre: 8.08 Post: 8.19
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or (YSI Pro Plus)

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____
Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 100 mL/min Pump Depth: 12 ft.(ref. TOC)

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Observations DTW(ft) if req'd
1331	17.1	6.60	13671	27	5.02	-76.6	300	odor 8.08
1334	17.6	6.44	16094	21	2.55	-99.0	600	8.08
1337	17.6	6.43	14877	19	0.98	-105.1	900	8.13
1340	17.6	6.43	13452	19	0.67	-105.5	1200	8.14
1343	17.5	6.44	12479	18	0.56	-106.8	1500	8.14
1346	17.4	6.45	11738	17	0.47	-106.4	1800	8.19
1349	17.2	6.46	11137	17	0.41	-106.0	2100	8.19

Did well dewater? Yes (No) Amount actually evacuated: 2100 gals. or (mL)

Sampling Time: 1355 Sampling Date: 1/23/19

Sample I.D.: MW-03 Laboratory: Eurofins Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-01

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: CR	Start Date: 1/23/19
Well I.D.: MW-04	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.90	Depth to Water Pre: 7.11 Post: 7.23
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or (YSI Pro Plus)

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____

Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 200 mL/min Pump Depth: 12' ft.(ref. TOC) 7'-17'

Time (start @ 1215)	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Observations DTW(ft), if req'd
1218	18.3	6.97	17,544	350	1.19	-131.4	600	7.20 cloudy, odor
1221	18.5	6.91	18,157	507	1.44	-140.6	1200	7.21
1224	18.5	6.85	17,860	486	0.69	-145.5	1800	7.22
1227	18.6	6.82	16,756	409	0.55	-144.9	2400	7.22
1230	18.6	6.79	16,452	390	0.52	-143.0	3000	7.22
1233	18.6	6.77	16,279	369	0.47	-141.2	3600	7.23

Did well dewater? Yes (No)	Amount actually evacuated: 3600 gals. or (mL)
Sampling Time: 1234	Sampling Date: 1/23/19
Sample I.D.: MW-04	Laboratory: Eurofins Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	(Other:) See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: CR	Start Date: 1/23/19
Well I.D.: MW-05	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.12	Depth to Water Pre: 4.21 Post: 4.25
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or (YSI Pro Plus)

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____
Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 200 mL/min Pump Depth: 10' ft.(ref. TOC) SI = 5'-15'

Start @ 1408 Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Observations DTW(ft) if req'd
1411	14.3	7.70	6020	192	4.86	12.1	600	4.24 cloudy
1414	14.2	7.38	5683	63	4.02	29.0	1200	4.24 clear
1417	14.1	7.30	5514	18	4.07	30.6	1800	4.24 ↓
1420	14.2	7.27	5443	9	4.13	33.5	2400	4.24
1423	14.2	7.26	5423	5	4.03	35.1	3000	4.25
1426	14.3	7.24	5396	4	4.02	38.9	3600	4.25

Did well dewater? Yes (No)	Amount actually evacuated: 3600 gals. or (mL)
Sampling Time: 1427	Sampling Date: 1/23/19
Sample I.D.: MW-05	Laboratory: Eurofins Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	(Other:) See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: CR	Start Date: 1/23/19
Well I.D.: MW-06	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.46	Depth to Water Pre: 7.74 Post: 8.10
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or (YSI Pro Plus)

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____
Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 200 mL/min Pump Depth: 11 ft.(ref. TOC) S1 = 6'-16'

Time (start @ 0930)	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations DTW(ft) if req'd
0933	16.2	6.54	12,031	19	1.90	-74.8	600	7.95 clear, odor
0936	16.2	6.58	11,830	18	1.92	-100.1	1200	7.99
0939	16.0	6.57	11,357	23	1.09	-101.0	1800	8.02
0942	16.0	6.57	11,087	28	0.92	-97.9	2400	8.04
0945	16.0	6.57	10,929	26	0.91	-93.4	3000	8.07
0948	16.0	6.55	10,883	26	0.87	-86.9	3600	8.10

Did well dewater? Yes (No) Amount actually evacuated: 3600 gals. or (mL)

Sampling Time: 0949 Sampling Date: 1/23/19

Sample I.D.: MW-06 Laboratory: Eurofins Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 190123CR-1	Client: EHS Support @ 3745 Bayshore Blvd.
Sampler: CR	Start Date: 1/23/19
Well I.D.: MW-07	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.72	Depth to Water Pre: 7.98 Post: 9.15
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556 or YSI Pro Plus

Purge Method: 2" Grundfos Pump Watterra Peristaltic Pump (Bladder Pump) Other ____

Sampling Method: Dedicated Tubing Disp Bailer (New Tubing) Other ____

Flow Rate: 200 mL/min Pump Depth: 12.5' ft.(ref. TOC) S1 = 7'-17'

Time (Start @ 1047)	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1050	17.5	6.67	11,655	29	2.37	-91.6	600	DTW(ft) if req'd 8.65 clear, odor
1053	17.7	6.51	11,736	21	1.02	-91.2	1200	8.81
1056	17.4	6.47	11,766	16	0.85	-92.0	1800	8.90
1059	17.4	6.47	11,875	14	0.79	-96.0	2400	9.02
1102	17.3	6.49	12,080	12	0.69	-99.5	3000	9.09
1105	17.6	6.52	12,271	12	0.62	-102.7	3600	9.15

Did well dewater? Yes (No) Amount actually evacuated: 3600 gals. or (mL)

Sampling Time: 1106 Sampling Date: 1/23/19

Sample I.D.: MW-07 Laboratory: Eurofins Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Date 1/23/19 Client EHS Support

Site Address 3745 Bayshore Blvd. Brisbane, CA

Job Number 190123CR-1 Technician CR, TN

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-01	X							
MW-02	X							
MW-03							X	
MW-04	X							
MW-05	X							
MW-06	X							
MW-07	X							

NOTES: MW-03: 1/2 bolts missing (1/2")

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME EHS Support @ Parcel A 3745 Bayshore Blvd - Brisbane, CA				PROJECT NUMBER 190123CR-1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI ProPlus	16M101741	1/23/19 0805	D.O. 100%	99.9	✓	11.5	CR
↓	↓	↓	pH 7,10,4	7.00, 10.00, 4.00	✓	13.7	CR
↓	↓	↓	Cond 3900µs	3922µs	✓	13.9	CR
↓	↓	↓	ORP 247	247.1	✓	~~14.0~~ 12.9	CR

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 3745 & 3775 Bayshore Blvd. Brisbane, CA				PROJECT NUMBER 190123CR-1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro Plus	14F101212	1/23/19 0801	pH 7, 10, 4	7.18, 10.05, 4.11	pH: 7, 10, 4	13.0°C	TN
↓	↓	↓	µS 3900	4035	µS 3900	13.4°C	↓
↓	↓	↓	mV 250	248.9	mV 250	11.1°C	↓

PURGE DRUM INVENTORY LOG

CLIENT EHS Support

SITE ADDRESS 3745 Bayshore Blvd Brisbane, CA

STATUS OF DRUM(S) UPON ARRIVAL							
DATE	1/23/19						
Number of drum(s) empty:							
Number of drum(s) 1/4 full:							
Number of drum(s) 1/2 full:							
Number of drum(s) 3/4 full:							
Number of drum(s) full:							
Total drum(s) on site:	0						
Are the drum(s) properly labeled?							
Drum ID & Contents:							
STATUS OF DRUM(S) UPON DEPARTURE							
DATE	1/23/19						
Number of drum(s) empty:							
Number of drum(s) 1/4 full:	1						
Number of drum(s) 1/2 full:							
Number of drum(s) 3/4 full:							
Number of drum(s) full:							
Total drum(s) on site:	1						
Are the drum(s) properly labeled?	yes						
Drum ID & Contents:	Purge						
LOCATION OF DRUM(S)							
Describe location of drum(s): near MW-05							
FINAL STATUS							
Number of new drum(s) left on site this event:	1						
Date of inspection:	1/23/19						
Logged by BTS Field Technician:	CR						
Office reviewed by:	[illegible]						

Attachment E Laboratory Analytical Reports

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WORK ORDER NUMBER: 19-01-1524

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: EHS Support, LLC

Client Project Name: Univar Brisbane

Attention: Greg White
115 Crissey Avenue
Geneva, IL 60134-2808

Approved for release on 02/08/2019 by:
Lori Thompson
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute 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: 19-01-1524

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Work Order Narrative

Work Order: 19-01-1524 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/24/19. They were assigned to Work Order 19-01-1524.

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.

Subcontractor Information:

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

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.

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.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	EHS Support, LLC 115 Crissey Avenue Geneva, IL 60134-2808	Work Order:	19-01-1524
		Project Name:	Univar Brisbane
		PO Number:	C01959_2019-100
		Date/Time Received:	01/24/19 10:30
		Number of Containers:	129
Attn:	Greg White		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
MW-01	19-01-1524-1	01/23/19 09:55	16	Aqueous
MW-02	19-01-1524-2	01/23/19 11:55	16	Aqueous
MW-03	19-01-1524-3	01/23/19 13:55	16	Aqueous
MW-04	19-01-1524-4	01/23/19 12:34	16	Aqueous
MW-05	19-01-1524-5	01/23/19 14:27	16	Aqueous
MW-06	19-01-1524-6	01/23/19 09:49	16	Aqueous
MW-07	19-01-1524-7	01/23/19 11:06	16	Aqueous
DUP-01	19-01-1524-8	01/23/19 13:55	16	Aqueous
Trip Blank	19-01-1524-9	01/23/19 00:00	1	Aqueous

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-J**	**01/23/19 09:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 10:41**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	ND	1.00	0.0330	1.00	
Ethylene	ND	1.00	0.0510	1.00	
Methane	537	1.00	0.00800	1.00	

MW-02	**19-01-1524-2-G**	**01/23/19 11:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 11:05**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	2.86	1.00	0.0330	1.00	
Ethylene	ND	1.00	0.0510	1.00	

MW-02	**19-01-1524-2-G**	**01/23/19 11:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 11:29**	**190126L01**

Comment(s): - Results were evaluated to the 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	612	2.00	0.0160	2.00	

MW-03	**19-01-1524-3-J**	**01/23/19 13:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 12:00**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	10.9	1.00	0.0330	1.00	

MW-03	**19-01-1524-3-J**	**01/23/19 13:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 16:24**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylene	5950	40.0	2.04	40.0	
Methane	2290	40.0	0.320	40.0	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-04	**19-01-1524-4-J**	**01/23/19 12:34**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 12:46**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	0.165	1.00	0.0330	1.00	J
Ethylene	0.209	1.00	0.0510	1.00	J

MW-04	**19-01-1524-4-J**	**01/23/19 12:34**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 13:09**	**190126L01**

Comment(s): - Results were evaluated to the 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	3400	8.00	0.0640	8.00	

MW-05	**19-01-1524-5-J**	**01/23/19 14:27**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 13:33**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	ND	1.00	0.0330	1.00	
Ethylene	0.0720	1.00	0.0510	1.00	J
Methane	0.291	1.00	0.00800	1.00	J

MW-06	**19-01-1524-6-H**	**01/23/19 09:49**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 13:57**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	58.5	1.00	0.0330	1.00	
Ethylene	0.296	1.00	0.0510	1.00	J

MW-06	**19-01-1524-6-H**	**01/23/19 09:49**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 14:20**	**190126L01**

Comment(s): - Results were evaluated to the 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	1370	4.00	0.0320	4.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-J**	**01/23/19 11:06**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 14:44**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	66.3	1.00	0.0330	1.00	
Ethylene	1.29	1.00	0.0510	1.00	

MW-07	**19-01-1524-7-J**	**01/23/19 11:06**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 15:13**	**190126L01**

Comment(s): - Results were evaluated to the 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	3160	8.00	0.0640	8.00	

DUP-01	**19-01-1524-8-J**	**01/23/19 13:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 15:36**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	13.1	1.00	0.0330	1.00	

DUP-01	**19-01-1524-8-J**	**01/23/19 13:55**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 16:01**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylene	6460	40.0	2.04	40.0	
Methane	2760	40.0	0.320	40.0	

Method Blank	**099-12-661-2330**	**N/A**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 10:18**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Ethane	ND	1.00	0.0330	1.00	
Ethylene	ND	1.00	0.0510	1.00	
Methane	ND	1.00	0.00800	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Univar Brisbane			Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-L**	**01/23/19 09:55**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 00:01**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	1.0	0.26	10.0	
Nitrate (as N)	ND	1.0	0.45	10.0	
Sulfate	5.0	10	4.9	10.0	J

MW-01	**19-01-1524-1-L**	**01/23/19 09:55**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 03:49**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	5500	100	47	100	

MW-02	**19-01-1524-2-L**	**01/23/19 11:55**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 00:20**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.50	0.13	5.00	
Nitrate (as N)	ND	0.50	0.22	5.00	
Sulfate	130	5.0	2.4	5.00	

MW-02	**19-01-1524-2-L**	**01/23/19 11:55**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 04:10**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	2800	50	23	50.0	

MW-03	**19-01-1524-3-L**	**01/23/19 13:55**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 00:39**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.50	0.13	5.00	
Nitrate (as N)	ND	0.50	0.22	5.00	
Sulfate	30	5.0	2.4	5.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Univar Brisbane			Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-03	**19-01-1524-3-L**	**01/23/19 13:55**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 04:30**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	2500	50	23	50.0	

MW-04	**19-01-1524-4-L**	**01/23/19 12:34**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 00:58**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.20	0.053	2.00	
Nitrate (as N)	ND	0.20	0.089	2.00	
Sulfate	6.0	2.0	0.98	2.00	

MW-04	**19-01-1524-4-L**	**01/23/19 12:34**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 05:31**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	1600	50	23	50.0	

MW-05	**19-01-1524-5-L**	**01/23/19 14:27**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 01:17**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.10	0.026	1.00	
Nitrate (as N)	1.9	0.10	0.045	1.00	
Sulfate	27	1.0	0.49	1.00	

MW-05	**19-01-1524-5-L**	**01/23/19 14:27**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 05:51**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	290	10	4.7	10.0	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Univar Brisbane			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-L**	**01/23/19 09:49**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 01:35**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.20	0.053	2.00	
Nitrate (as N)	ND	0.20	0.089	2.00	

MW-06	**19-01-1524-6-L**	**01/23/19 09:49**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 06:12**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	1300	50	23	50.0	
Sulfate	200	50	24	50.0	

MW-07	**19-01-1524-7-L**	**01/23/19 11:06**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 01:54**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.50	0.13	5.00	
Nitrate (as N)	ND	0.50	0.22	5.00	
Sulfate	220	5.0	2.4	5.00	

MW-07	**19-01-1524-7-L**	**01/23/19 11:06**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 06:32**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	3400	50	23	50.0	

DUP-01	**19-01-1524-8-L**	**01/23/19 13:55**	**Aqueous**	**IC 9**	**N/A**	**01/25/19 02:13**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.50	0.13	5.00	
Nitrate (as N)	ND	0.50	0.22	5.00	
Sulfate	27	5.0	2.4	5.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: Univar Brisbane			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-L**	**01/23/19 13:55**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 06:53**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	2600	50	23	50.0	

Method Blank	**099-12-906-9076**	**N/A**	**Aqueous**	**IC 9**	**N/A**	**01/24/19 19:55**	**190124L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Nitrite (as N)	ND	0.10	0.026	1.00	
Nitrate (as N)	ND	0.10	0.045	1.00	
Sulfate	ND	1.0	0.49	1.00	

Method Blank	**099-12-906-9119**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 00:26**	**190202L02**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Chloride	ND	1.0	0.47	1.00	
Sulfate	ND	1.0	0.49	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	SM 5310 D
		Units:	mg/L
Project: Univar Brisbane			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-O**	**01/23/19 09:55**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	25	5.0	0.26	10.0	

MW-02	**19-01-1524-2-O**	**01/23/19 11:55**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	14	1.0	0.052	2.00	

MW-03	**19-01-1524-3-PP**	**01/23/19 13:55**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	81	5.0	0.26	10.0	

MW-04	**19-01-1524-4-O**	**01/23/19 12:34**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	11	2.5	0.13	5.00	

MW-05	**19-01-1524-5-O**	**01/23/19 14:27**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	2.7	0.50	0.026	1.00	

MW-06	**19-01-1524-6-O**	**01/23/19 09:49**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	11	0.50	0.026	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	SM 5310 D
		Units:	mg/L
Project: Univar Brisbane			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-O**	**01/23/19 11:06**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	12	0.50	0.026	1.00	

DUP-01	**19-01-1524-8-O**	**01/23/19 13:55**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	79	5.0	0.26	10.0	

Method Blank	**099-17-115-119**	**N/A**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Comment(s): - Results were evaluated to the 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, Total Organic	0.094	0.50	0.026	1.00	J

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-P**	**01/23/19 09:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 01:54**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	36	50	33	1.00	HD,J

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	75	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-02	**19-01-1524-2-P**	**01/23/19 11:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:15**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-03	**19-01-1524-3-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:36**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	2200	50	33	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-04	**19-01-1524-4-P**	**01/23/19 12:34**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:57**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	73	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-P**	**01/23/19 14:27**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 03:18**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	68	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-P**	**01/23/19 09:49**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 03:40**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	110	50	33	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-P**	**01/23/19 11:06**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 04:00**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	55	50	33	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 14:13**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	3500	50	33	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-418-1795**	**N/A**	**Aqueous**	**GC 47**	**01/29/19**	**01/29/19 23:05**	**190129B05B**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-P**	**01/23/19 09:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 14:26**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

MW-02	**19-01-1524-2-P**	**01/23/19 11:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 14:47**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

MW-03	**19-01-1524-3-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:09**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	120	50	33	1.00	HD,SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

MW-04	**19-01-1524-4-P**	**01/23/19 12:34**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:30**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-P**	**01/23/19 14:27**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:51**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-P**	**01/23/19 09:49**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:13**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	73	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-P**	**01/23/19 11:06**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:33**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:55**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	190	50	33	1.00	HD,SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-418-1797**	**N/A**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 12:40**	**190129B05S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Diesel Range Organics	ND	50	33	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	119	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-P**	**01/23/19 09:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 01:54**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	75	68-140	

MW-02	**19-01-1524-2-P**	**01/23/19 11:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:15**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	68-140	

MW-03	**19-01-1524-3-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:36**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	570	250	53	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	68-140	

MW-04	**19-01-1524-4-P**	**01/23/19 12:34**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 02:57**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	73	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-P**	**01/23/19 14:27**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 03:18**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	68	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-P**	**01/23/19 09:49**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 03:40**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	61	250	53	1.00	HD,J

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-P**	**01/23/19 11:06**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 04:00**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 14:13**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	570	250	53	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-278-1671**	**N/A**	**Aqueous**	**GC 47**	**01/29/19**	**01/29/19 23:05**	**190129B06**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-P**	**01/23/19 09:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 14:26**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

MW-02	**19-01-1524-2-P**	**01/23/19 11:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 14:47**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

MW-03	**19-01-1524-3-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:09**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	68-140	

MW-04	**19-01-1524-4-P**	**01/23/19 12:34**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:30**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-P**	**01/23/19 14:27**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 15:51**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-P**	**01/23/19 09:49**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:13**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	73	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-P**	**01/23/19 11:06**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:33**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-P**	**01/23/19 13:55**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 16:55**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-394-20**	**N/A**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 12:40**	**190129B06S**

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

Parameter	Result	RL	MDL	DF	Qualifiers
TPH as Motor Oil	ND	250	53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	119	68-140	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-H**	**01/23/19 09:55**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 06:51**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	63	38-134	

MW-02	**19-01-1524-2-F**	**01/23/19 11:55**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 07:25**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	52	38-134	

MW-03	**19-01-1524-3-H**	**01/23/19 13:55**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 10:20**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	39000	5000	3800	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	72	38-134	

MW-04	**19-01-1524-4-H**	**01/23/19 12:34**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 05:06**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	46	38-134	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-H**	**01/23/19 14:27**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 08:01**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

MW-06	**19-01-1524-6-H**	**01/23/19 09:49**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 08:35**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	100	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

MW-07	**19-01-1524-7-I**	**01/23/19 11:06**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 20:02**	**190202L018**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	67	38-134	

DUP-01	**19-01-1524-8-H**	**01/23/19 13:55**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 11:30**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	34000	5000	3800	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-022-4421**	**N/A**	**Aqueous**	**GC 42**	**01/31/19**	**01/31/19 19:13**	**190131L050**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	66	38-134	

Method Blank	**099-12-022-4425**	**N/A**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 14:48**	**190202L018**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Gasoline Range Organics	ND	50	38	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	65	38-134	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 200.7
		Units:	mg/L
Project: Univar Brisbane			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-N**	**01/23/19 09:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:53**	**190206LA2**

Comment(s): - Results were evaluated to the 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	18.5	0.500	0.137	1.00	

MW-02	**19-01-1524-2-M**	**01/23/19 11:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:51**	**190206LA2**

Comment(s): - Results were evaluated to the 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	11.5	0.500	0.137	1.00	

MW-03	**19-01-1524-3-M**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:59**	**190206LA2**

Comment(s): - Results were evaluated to the 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	18.8	0.500	0.137	1.00	

MW-04	**19-01-1524-4-N**	**01/23/19 12:34**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 23:01**	**190206LA2**

Comment(s): - Results were evaluated to the 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	7.16	0.500	0.137	1.00	

MW-05	**19-01-1524-5-N**	**01/23/19 14:27**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 23:03**	**190206LA2**

Comment(s): - Results were evaluated to the 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	ND	0.500	0.137	1.00	

MW-06	**19-01-1524-6-N**	**01/23/19 09:49**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 23:04**	**190206LA2**

Comment(s): - Results were evaluated to the 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	5.98	0.500	0.137	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 200.7
		Units:	mg/L
Project: Univar Brisbane			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-M**	**01/23/19 11:06**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 23:06**	**190206LA2**

Comment(s): - Results were evaluated to the 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	11.1	0.500	0.137	1.00	

DUP-01	**19-01-1524-8-N**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 23:08**	**190206LA2**

Comment(s): - Results were evaluated to the 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	18.4	0.500	0.137	1.00	

Method Blank	**097-01-012-7589**	**N/A**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:41**	**190206LA2**

Comment(s): - Results were evaluated to the 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	ND	0.500	0.137	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Univar Brisbane			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-N**	**01/23/19 09:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:15**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	308	2.00	0.459	1.00	
Magnesium	391	0.500	0.0493	1.00	
Manganese	3.97	0.0500	0.00405	1.00	

MW-02	**19-01-1524-2-M**	**01/23/19 11:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:17**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	247	2.00	0.459	1.00	
Magnesium	180	0.500	0.0493	1.00	
Manganese	3.58	0.0500	0.00405	1.00	

MW-03	**19-01-1524-3-M**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:19**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	298	2.00	0.459	1.00	
Magnesium	179	0.500	0.0493	1.00	
Manganese	5.32	0.0500	0.00405	1.00	

MW-04	**19-01-1524-4-N**	**01/23/19 12:34**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:21**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	113	2.00	0.459	1.00	
Magnesium	102	0.500	0.0493	1.00	
Manganese	0.985	0.0500	0.00405	1.00	

MW-05	**19-01-1524-5-N**	**01/23/19 14:27**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:23**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	78.5	2.00	0.459	1.00	
Magnesium	26.5	0.500	0.0493	1.00	
Manganese	0.00803	0.0500	0.00405	1.00	J

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Univar Brisbane			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-N**	**01/23/19 09:49**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:29**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	179	2.00	0.459	1.00	
Magnesium	104	0.500	0.0493	1.00	
Manganese	2.32	0.0500	0.00405	1.00	

MW-07	**19-01-1524-7-M**	**01/23/19 11:06**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:31**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	291	2.00	0.459	1.00	
Magnesium	222	0.500	0.0493	1.00	
Manganese	3.81	0.0500	0.00405	1.00	

DUP-01	**19-01-1524-8-N**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:32**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	308	2.00	0.459	1.00	
Magnesium	193	0.500	0.0493	1.00	
Manganese	5.29	0.0500	0.00405	1.00	

Method Blank	**097-01-003-17249**	**N/A**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:05**	**190206LA4**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	ND	2.00	0.459	1.00	
Magnesium	ND	0.500	0.0493	1.00	
Manganese	ND	0.0500	0.00405	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-M**	**01/23/19 09:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:34**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	322	2.00	0.459	1.00	
Iron	18.6	0.500	0.123	1.00	
Magnesium	397	0.500	0.0493	1.00	
Manganese	4.08	0.0500	0.00405	1.00	

MW-02	**19-01-1524-2-N**	**01/23/19 11:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:37**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	252	2.00	0.459	1.00	
Iron	11.0	0.500	0.123	1.00	
Magnesium	183	0.500	0.0493	1.00	
Manganese	3.65	0.0500	0.00405	1.00	

MW-03	**19-01-1524-3-N**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:38**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	314	2.00	0.459	1.00	
Iron	19.6	0.500	0.123	1.00	
Magnesium	175	0.500	0.0493	1.00	
Manganese	5.45	0.0500	0.00405	1.00	

MW-04	**19-01-1524-4-M**	**01/23/19 12:34**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:40**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	113	2.00	0.459	1.00	
Iron	6.12	0.500	0.123	1.00	
Magnesium	100	0.500	0.0493	1.00	
Manganese	0.971	0.0500	0.00405	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-M**	**01/23/19 14:27**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:42**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	81.8	2.00	0.459	1.00	
Iron	ND	0.500	0.123	1.00	
Magnesium	27.1	0.500	0.0493	1.00	
Manganese	ND	0.0500	0.00405	1.00	

MW-06	**19-01-1524-6-M**	**01/23/19 09:49**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:44**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	196	2.00	0.459	1.00	
Iron	7.80	0.500	0.123	1.00	
Magnesium	114	0.500	0.0493	1.00	
Manganese	2.71	0.0500	0.00405	1.00	

MW-07	**19-01-1524-7-N**	**01/23/19 11:06**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:46**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	298	2.00	0.459	1.00	
Iron	11.9	0.500	0.123	1.00	
Magnesium	227	0.500	0.0493	1.00	
Manganese	4.02	0.0500	0.00405	1.00	

DUP-01	**19-01-1524-8-M**	**01/23/19 13:55**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:52**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	306	2.00	0.459	1.00	
Iron	22.6	0.500	0.123	1.00	
Magnesium	178	0.500	0.0493	1.00	
Manganese	5.49	0.0500	0.00405	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-683-2667**	**N/A**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:05**	**190206LA4F**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Calcium	ND	2.00	0.459	1.00	
Iron	ND	0.500	0.123	1.00	
Magnesium	ND	0.500	0.0493	1.00	
Manganese	ND	0.0500	0.00405	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-B**	**01/23/19 09:55**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 15:53**	**190131L036**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	680	10	3.5	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	116	67-133	

MW-02	**19-01-1524-2-E**	**01/23/19 11:55**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 18:45**	**190204L011**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	2800	50	18	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	112	67-133	

MW-03	**19-01-1524-3-D**	**01/23/19 13:55**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 21:43**	**190131L036**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	12000	1000	350	1000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	106	67-133	

MW-04	**19-01-1524-4-E**	**01/23/19 12:34**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 12:27**	**190204L011**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	480	5.0	1.8	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	118	67-133	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-E**	**01/23/19 14:27**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 18:16**	**190204L011**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	4.2	1.0	0.35	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	106	67-133	

MW-06	**19-01-1524-6-E**	**01/23/19 09:49**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/05/19 03:29**	**190204L027**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	1300	25	8.8	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	111	67-133	

MW-07	**19-01-1524-7-E**	**01/23/19 11:06**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/05/19 03:58**	**190204L027**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	6900	100	35	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	107	67-133	

DUP-01	**19-01-1524-8-E**	**01/23/19 13:55**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 22:38**	**190204L027**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	15000	250	88	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	112	67-133	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-536-386**	**N/A**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 14:05**	**190131L036**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.35	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	105	67-133	

Method Blank	**099-16-536-387**	**N/A**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 11:52**	**190204L011**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.35	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	113	67-133	

Method Blank	**099-16-536-388**	**N/A**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 21:40**	**190204L027**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.35	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Dichlorobutane	117	67-133	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 1 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-01	**19-01-1524-1-C**	**01/23/19 09:55**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 12:18**	**190201L001**

Comment(s): - Results were evaluated to the 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	40	20	2.00	
Benzene	1.2	2.0	0.28	2.00	J
Bromobenzene	ND	2.0	0.38	2.00	
Bromochloromethane	ND	4.0	0.92	2.00	
Bromodichloromethane	ND	2.0	0.46	2.00	
Bromoform	ND	10	3.7	2.00	
Bromomethane	ND	100	39	2.00	
2-Butanone	ND	40	13	2.00	
n-Butylbenzene	ND	2.0	0.60	2.00	
sec-Butylbenzene	ND	2.0	0.38	2.00	
tert-Butylbenzene	ND	2.0	0.49	2.00	
Carbon Disulfide	ND	20	1.4	2.00	
Carbon Tetrachloride	ND	1.0	0.46	2.00	
Chlorobenzene	ND	2.0	0.32	2.00	
Chloroethane	ND	10	1.5	2.00	
Chloroform	ND	2.0	0.37	2.00	
Chloromethane	ND	20	1.0	2.00	
2-Chlorotoluene	ND	2.0	0.33	2.00	
4-Chlorotoluene	ND	2.0	0.37	2.00	
Dibromochloromethane	ND	4.0	0.92	2.00	
1,2-Dibromo-3-Chloropropane	ND	10	4.1	2.00	
1,2-Dibromoethane	ND	2.0	0.53	2.00	
Dibromomethane	ND	2.0	0.59	2.00	
1,2-Dichlorobenzene	0.47	2.0	0.29	2.00	J
1,3-Dichlorobenzene	ND	2.0	0.37	2.00	
1,4-Dichlorobenzene	ND	2.0	0.47	2.00	
Dichlorodifluoromethane	ND	10	0.57	2.00	
1,1-Dichloroethane	ND	2.0	0.57	2.00	
1,2-Dichloroethane	ND	1.0	0.38	2.00	
1,1-Dichloroethene	ND	2.0	0.45	2.00	
c-1,2-Dichloroethene	1.2	2.0	0.54	2.00	J
t-1,2-Dichloroethene	ND	2.0	0.80	2.00	
1,2-Dichloropropane	ND	2.0	0.39	2.00	
1,3-Dichloropropane	ND	2.0	0.27	2.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 2 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2.0	0.88	2.00	
1,1-Dichloropropene	ND	2.0	0.34	2.00	
c-1,3-Dichloropropene	ND	1.0	0.41	2.00	
t-1,3-Dichloropropene	ND	1.0	0.46	2.00	
Ethylbenzene	ND	2.0	0.28	2.00	
2-Hexanone	ND	20	11	2.00	
Isopropylbenzene	ND	2.0	0.32	2.00	
p-Isopropyltoluene	ND	2.0	0.43	2.00	
Methylene Chloride	ND	20	8.0	2.00	
4-Methyl-2-Pentanone	ND	20	0.92	2.00	
Naphthalene	ND	20	10	2.00	
n-Propylbenzene	ND	2.0	0.35	2.00	
Styrene	ND	2.0	0.29	2.00	
1,1,1,2-Tetrachloroethane	ND	4.0	0.85	2.00	
1,1,2,2-Tetrachloroethane	ND	20	0.34	2.00	
Tetrachloroethene	ND	2.0	0.47	2.00	
Toluene	ND	2.0	0.26	2.00	
1,2,3-Trichlorobenzene	ND	2.0	0.57	2.00	
1,2,4-Trichlorobenzene	ND	2.0	0.68	2.00	
1,1,1-Trichloroethane	ND	2.0	0.61	2.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	1.2	2.00	
1,1,2-Trichloroethane	ND	2.0	0.44	2.00	
Trichloroethene	ND	2.0	0.47	2.00	
Trichlorofluoromethane	ND	20	0.56	2.00	
1,2,3-Trichloropropane	ND	10	0.44	2.00	
1,2,4-Trimethylbenzene	ND	2.0	0.42	2.00	
1,3,5-Trimethylbenzene	ND	2.0	0.34	2.00	
Vinyl Acetate	ND	20	5.7	2.00	
Vinyl Chloride	ND	1.0	0.32	2.00	
p/m-Xylene	ND	4.0	0.61	2.00	
o-Xylene	ND	2.0	0.31	2.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.32	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	98	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 3 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-02	**19-01-1524-2-B**	**01/23/19 11:55**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 14:46**	**190201L001**

Comment(s): - Results were evaluated to the 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	0.61	1.0	0.14	1.00	J
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	1.3	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	2.0	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 4 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	0.59	1.0	0.24	1.00	J
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	0.39	0.50	0.16	1.00	J
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	77-120	
Dibromofluoromethane	98	80-128	
1,2-Dichloroethane-d4	100	80-129	
Toluene-d8	98	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 5 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-03	**19-01-1524-3-C**	**01/23/19 13:55**	**Aqueous**	**GC/MS JJ**	**02/04/19**	**02/04/19 15:12**	**190204L001**

Comment(s): - Results were evaluated to the 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	6100	10000	5000	500	J
Benzene	9500	500	70	500	
Bromobenzene	ND	500	96	500	
Bromochloromethane	ND	1000	230	500	
Bromodichloromethane	ND	500	120	500	
Bromoform	ND	2500	920	500	
Bromomethane	ND	25000	9700	500	
2-Butanone	ND	10000	3300	500	
n-Butylbenzene	ND	500	150	500	
sec-Butylbenzene	ND	500	95	500	
tert-Butylbenzene	ND	500	120	500	
Carbon Disulfide	ND	5000	350	500	
Carbon Tetrachloride	ND	250	120	500	
Chlorobenzene	ND	500	80	500	
Chloroethane	ND	2500	380	500	
Chloroform	ND	500	92	500	
Chloromethane	ND	5000	250	500	
2-Chlorotoluene	ND	500	82	500	
4-Chlorotoluene	ND	500	92	500	
Dibromochloromethane	ND	1000	230	500	
1,2-Dibromo-3-Chloropropane	ND	2500	1000	500	
1,2-Dibromoethane	ND	500	130	500	
Dibromomethane	ND	500	150	500	
1,2-Dichlorobenzene	ND	500	72	500	
1,3-Dichlorobenzene	ND	500	93	500	
1,4-Dichlorobenzene	ND	500	120	500	
Dichlorodifluoromethane	ND	2500	140	500	
1,1-Dichloroethane	48000	500	140	500	
1,2-Dichloroethane	11000	250	94	500	
1,1-Dichloroethene	270	500	110	500	J
c-1,2-Dichloroethene	80000	500	140	500	
t-1,2-Dichloroethene	320	500	200	500	J
1,2-Dichloropropane	ND	500	99	500	
1,3-Dichloropropane	ND	500	69	500	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 6 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	500	220	500	
1,1-Dichloropropene	ND	500	86	500	
c-1,3-Dichloropropene	ND	250	100	500	
t-1,3-Dichloropropene	ND	250	110	500	
Ethylbenzene	520	500	69	500	
2-Hexanone	ND	5000	2600	500	
Isopropylbenzene	ND	500	81	500	
p-Isopropyltoluene	ND	500	110	500	
Methylene Chloride	ND	5000	2000	500	
4-Methyl-2-Pentanone	ND	5000	230	500	
Naphthalene	ND	5000	2500	500	
n-Propylbenzene	ND	500	88	500	
Styrene	ND	500	73	500	
1,1,1,2-Tetrachloroethane	ND	1000	210	500	
1,1,2,2-Tetrachloroethane	ND	5000	86	500	
Tetrachloroethene	230	500	120	500	J
Toluene	6000	500	64	500	
1,2,3-Trichlorobenzene	ND	500	140	500	
1,2,4-Trichlorobenzene	ND	500	170	500	
1,1,1-Trichloroethane	ND	500	150	500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	310	500	
1,1,2-Trichloroethane	ND	500	110	500	
Trichloroethene	33000	500	120	500	
Trichlorofluoromethane	ND	5000	140	500	
1,2,3-Trichloropropane	ND	2500	110	500	
1,2,4-Trimethylbenzene	ND	500	100	500	
1,3,5-Trimethylbenzene	ND	500	85	500	
Vinyl Acetate	ND	5000	1400	500	
Vinyl Chloride	13000	250	80	500	
p/m-Xylene	960	1000	150	500	J
o-Xylene	280	500	77	500	J
Methyl-t-Butyl Ether (MTBE)	ND	500	81	500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	77-120	
Dibromofluoromethane	101	80-128	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 7 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-04	**19-01-1524-4-B**	**01/23/19 12:34**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 15:13**	**190201L001**

Comment(s): - Results were evaluated to the 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	21	20	10	1.00	
Benzene	0.45	1.0	0.14	1.00	J
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	1.1	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	0.37	1.0	0.14	1.00	J
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	1.0	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	2.5	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 8 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	0.29	1.0	0.24	1.00	J
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	1.2	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	102	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 9 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-05	**19-01-1524-5-B**	**01/23/19 14:27**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 15:41**	**190201L001**

Comment(s): - Results were evaluated to the 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	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 10 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	77-120	
Dibromofluoromethane	100	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 11 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-06	**19-01-1524-6-B**	**01/23/19 09:49**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 17:05**	**190201L001**

Comment(s): - Results were evaluated to the 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	40	20	2.00	
Benzene	64	2.0	0.28	2.00	
Bromobenzene	ND	2.0	0.38	2.00	
Bromochloromethane	ND	4.0	0.92	2.00	
Bromodichloromethane	ND	2.0	0.46	2.00	
Bromoform	ND	10	3.7	2.00	
Bromomethane	ND	100	39	2.00	
2-Butanone	ND	40	13	2.00	
n-Butylbenzene	ND	2.0	0.60	2.00	
sec-Butylbenzene	ND	2.0	0.38	2.00	
tert-Butylbenzene	ND	2.0	0.49	2.00	
Carbon Disulfide	ND	20	1.4	2.00	
Carbon Tetrachloride	ND	1.0	0.46	2.00	
Chlorobenzene	26	2.0	0.32	2.00	
Chloroethane	13	10	1.5	2.00	
Chloroform	ND	2.0	0.37	2.00	
Chloromethane	ND	20	1.0	2.00	
2-Chlorotoluene	ND	2.0	0.33	2.00	
4-Chlorotoluene	ND	2.0	0.37	2.00	
Dibromochloromethane	ND	4.0	0.92	2.00	
1,2-Dibromo-3-Chloropropane	ND	10	4.1	2.00	
1,2-Dibromoethane	ND	2.0	0.53	2.00	
Dibromomethane	ND	2.0	0.59	2.00	
1,2-Dichlorobenzene	130	2.0	0.29	2.00	
1,3-Dichlorobenzene	0.75	2.0	0.37	2.00	J
1,4-Dichlorobenzene	4.0	2.0	0.47	2.00	
Dichlorodifluoromethane	ND	10	0.57	2.00	
1,1-Dichloroethane	3.0	2.0	0.57	2.00	
1,2-Dichloroethane	ND	1.0	0.38	2.00	
1,1-Dichloroethene	ND	2.0	0.45	2.00	
c-1,2-Dichloroethene	1.4	2.0	0.54	2.00	J
t-1,2-Dichloroethene	ND	2.0	0.80	2.00	
1,2-Dichloropropane	ND	2.0	0.39	2.00	
1,3-Dichloropropane	ND	2.0	0.27	2.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 12 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2.0	0.88	2.00	
1,1-Dichloropropene	ND	2.0	0.34	2.00	
c-1,3-Dichloropropene	ND	1.0	0.41	2.00	
t-1,3-Dichloropropene	ND	1.0	0.46	2.00	
Ethylbenzene	0.42	2.0	0.28	2.00	J
2-Hexanone	ND	20	11	2.00	
Isopropylbenzene	ND	2.0	0.32	2.00	
p-Isopropyltoluene	ND	2.0	0.43	2.00	
Methylene Chloride	ND	20	8.0	2.00	
4-Methyl-2-Pentanone	ND	20	0.92	2.00	
Naphthalene	ND	20	10	2.00	
n-Propylbenzene	ND	2.0	0.35	2.00	
Styrene	ND	2.0	0.29	2.00	
1,1,1,2-Tetrachloroethane	ND	4.0	0.85	2.00	
1,1,2,2-Tetrachloroethane	ND	20	0.34	2.00	
Tetrachloroethene	ND	2.0	0.47	2.00	
Toluene	0.32	2.0	0.26	2.00	J
1,2,3-Trichlorobenzene	ND	2.0	0.57	2.00	
1,2,4-Trichlorobenzene	ND	2.0	0.68	2.00	
1,1,1-Trichloroethane	ND	2.0	0.61	2.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	1.2	2.00	
1,1,2-Trichloroethane	ND	2.0	0.44	2.00	
Trichloroethene	ND	2.0	0.47	2.00	
Trichlorofluoromethane	ND	20	0.56	2.00	
1,2,3-Trichloropropane	ND	10	0.44	2.00	
1,2,4-Trimethylbenzene	ND	2.0	0.42	2.00	
1,3,5-Trimethylbenzene	ND	2.0	0.34	2.00	
Vinyl Acetate	ND	20	5.7	2.00	
Vinyl Chloride	ND	1.0	0.32	2.00	
p/m-Xylene	ND	4.0	0.61	2.00	
o-Xylene	ND	2.0	0.31	2.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.32	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 13 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-07	**19-01-1524-7-B**	**01/23/19 11:06**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 17:33**	**190201L001**

Comment(s): - Results were evaluated to the 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	40	20	2.00	
Benzene	210	2.0	0.28	2.00	
Bromobenzene	ND	2.0	0.38	2.00	
Bromochloromethane	ND	4.0	0.92	2.00	
Bromodichloromethane	ND	2.0	0.46	2.00	
Bromoform	ND	10	3.7	2.00	
Bromomethane	ND	100	39	2.00	
2-Butanone	ND	40	13	2.00	
n-Butylbenzene	ND	2.0	0.60	2.00	
sec-Butylbenzene	ND	2.0	0.38	2.00	
tert-Butylbenzene	ND	2.0	0.49	2.00	
Carbon Disulfide	ND	20	1.4	2.00	
Carbon Tetrachloride	ND	1.0	0.46	2.00	
Chlorobenzene	1.8	2.0	0.32	2.00	J
Chloroethane	130	10	1.5	2.00	
Chloroform	ND	2.0	0.37	2.00	
Chloromethane	ND	20	1.0	2.00	
2-Chlorotoluene	ND	2.0	0.33	2.00	
4-Chlorotoluene	ND	2.0	0.37	2.00	
Dibromochloromethane	ND	4.0	0.92	2.00	
1,2-Dibromo-3-Chloropropane	ND	10	4.1	2.00	
1,2-Dibromoethane	ND	2.0	0.53	2.00	
Dibromomethane	ND	2.0	0.59	2.00	
1,2-Dichlorobenzene	1.2	2.0	0.29	2.00	J
1,3-Dichlorobenzene	ND	2.0	0.37	2.00	
1,4-Dichlorobenzene	ND	2.0	0.47	2.00	
Dichlorodifluoromethane	ND	10	0.57	2.00	
1,1-Dichloroethane	10	2.0	0.57	2.00	
1,2-Dichloroethane	ND	1.0	0.38	2.00	
1,1-Dichloroethene	ND	2.0	0.45	2.00	
c-1,2-Dichloroethene	9.7	2.0	0.54	2.00	
t-1,2-Dichloroethene	ND	2.0	0.80	2.00	
1,2-Dichloropropane	ND	2.0	0.39	2.00	
1,3-Dichloropropane	ND	2.0	0.27	2.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 14 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	2.0	0.88	2.00	
1,1-Dichloropropene	ND	2.0	0.34	2.00	
c-1,3-Dichloropropene	ND	1.0	0.41	2.00	
t-1,3-Dichloropropene	ND	1.0	0.46	2.00	
Ethylbenzene	0.31	2.0	0.28	2.00	J
2-Hexanone	ND	20	11	2.00	
Isopropylbenzene	ND	2.0	0.32	2.00	
p-Isopropyltoluene	ND	2.0	0.43	2.00	
Methylene Chloride	ND	20	8.0	2.00	
4-Methyl-2-Pentanone	ND	20	0.92	2.00	
Naphthalene	ND	20	10	2.00	
n-Propylbenzene	ND	2.0	0.35	2.00	
Styrene	ND	2.0	0.29	2.00	
1,1,1,2-Tetrachloroethane	ND	4.0	0.85	2.00	
1,1,2,2-Tetrachloroethane	ND	20	0.34	2.00	
Tetrachloroethene	ND	2.0	0.47	2.00	
Toluene	0.32	2.0	0.26	2.00	J
1,2,3-Trichlorobenzene	ND	2.0	0.57	2.00	
1,2,4-Trichlorobenzene	ND	2.0	0.68	2.00	
1,1,1-Trichloroethane	ND	2.0	0.61	2.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	1.2	2.00	
1,1,2-Trichloroethane	ND	2.0	0.44	2.00	
Trichloroethene	0.87	2.0	0.47	2.00	J
Trichlorofluoromethane	ND	20	0.56	2.00	
1,2,3-Trichloropropane	ND	10	0.44	2.00	
1,2,4-Trimethylbenzene	ND	2.0	0.42	2.00	
1,3,5-Trimethylbenzene	ND	2.0	0.34	2.00	
Vinyl Acetate	ND	20	5.7	2.00	
Vinyl Chloride	0.40	1.0	0.32	2.00	J
p/m-Xylene	ND	4.0	0.61	2.00	
o-Xylene	ND	2.0	0.31	2.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.32	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	100	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 15 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1524-8-C**	**01/23/19 13:55**	**Aqueous**	**GC/MS JJ**	**02/04/19**	**02/04/19 15:41**	**190204L001**

Comment(s): - Results were evaluated to the 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	7600	500	70	500	
Bromobenzene	ND	500	96	500	
Bromochloromethane	ND	1000	230	500	
Bromodichloromethane	ND	500	120	500	
Bromoform	ND	2500	920	500	
Bromomethane	ND	25000	9700	500	
2-Butanone	ND	10000	3300	500	
n-Butylbenzene	ND	500	150	500	
sec-Butylbenzene	ND	500	95	500	
tert-Butylbenzene	ND	500	120	500	
Carbon Disulfide	ND	5000	350	500	
Carbon Tetrachloride	ND	250	120	500	
Chlorobenzene	ND	500	80	500	
Chloroethane	ND	2500	380	500	
Chloroform	ND	500	92	500	
Chloromethane	ND	5000	250	500	
2-Chlorotoluene	ND	500	82	500	
4-Chlorotoluene	ND	500	92	500	
Dibromochloromethane	ND	1000	230	500	
1,2-Dibromo-3-Chloropropane	ND	2500	1000	500	
1,2-Dibromoethane	ND	500	130	500	
Dibromomethane	ND	500	150	500	
1,2-Dichlorobenzene	ND	500	72	500	
1,3-Dichlorobenzene	ND	500	93	500	
1,4-Dichlorobenzene	ND	500	120	500	
Dichlorodifluoromethane	ND	2500	140	500	
1,1-Dichloroethane	40000	500	140	500	
1,2-Dichloroethane	6700	250	94	500	
1,1-Dichloroethene	210	500	110	500	J
c-1,2-Dichloroethene	67000	500	140	500	
t-1,2-Dichloroethene	ND	500	200	500	
1,2-Dichloropropane	ND	500	99	500	
1,3-Dichloropropane	ND	500	69	500	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 16 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	500	220	500	
1,1-Dichloropropene	ND	500	86	500	
c-1,3-Dichloropropene	ND	250	100	500	
t-1,3-Dichloropropene	ND	250	110	500	
Ethylbenzene	350	500	69	500	J
2-Hexanone	ND	5000	2600	500	
Isopropylbenzene	ND	500	81	500	
p-Isopropyltoluene	ND	500	110	500	
Methylene Chloride	ND	5000	2000	500	
4-Methyl-2-Pentanone	ND	5000	230	500	
Naphthalene	ND	5000	2500	500	
n-Propylbenzene	ND	500	88	500	
Styrene	ND	500	73	500	
1,1,1,2-Tetrachloroethane	ND	1000	210	500	
1,1,2,2-Tetrachloroethane	ND	5000	86	500	
Tetrachloroethene	120	500	120	500	J
Toluene	4500	500	64	500	
1,2,3-Trichlorobenzene	ND	500	140	500	
1,2,4-Trichlorobenzene	ND	500	170	500	
1,1,1-Trichloroethane	ND	500	150	500	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	310	500	
1,1,2-Trichloroethane	ND	500	110	500	
Trichloroethene	25000	500	120	500	
Trichlorofluoromethane	ND	5000	140	500	
1,2,3-Trichloropropane	ND	2500	110	500	
1,2,4-Trimethylbenzene	ND	500	100	500	
1,3,5-Trimethylbenzene	ND	500	85	500	
Vinyl Acetate	ND	5000	1400	500	
Vinyl Chloride	12000	250	80	500	
p/m-Xylene	640	1000	150	500	J
o-Xylene	200	500	77	500	J
Methyl-t-Butyl Ether (MTBE)	ND	500	81	500	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	77-120	
Dibromofluoromethane	101	80-128	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	98	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 17 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**19-01-1524-9-A**	**01/23/19 00:00**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 11:43**	**190201L001**

Comment(s): - Results were evaluated to the 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	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 18 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 19 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-27944**	**N/A**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 11:15**	**190201L001**

Comment(s): - Results were evaluated to the 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	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 20 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	100	80-129	
Toluene-d8	99	80-120	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 21 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-27954**	**N/A**	**Aqueous**	**GC/MS JJ**	**02/04/19**	**02/04/19 11:55**	**190204L001**

Comment(s): - Results were evaluated to the 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	1.0	0.14	1.00	
Bromobenzene	ND	1.0	0.19	1.00	
Bromochloromethane	ND	2.0	0.46	1.00	
Bromodichloromethane	ND	1.0	0.23	1.00	
Bromoform	ND	5.0	1.8	1.00	
Bromomethane	ND	50	19	1.00	
2-Butanone	ND	20	6.6	1.00	
n-Butylbenzene	ND	1.0	0.30	1.00	
sec-Butylbenzene	ND	1.0	0.19	1.00	
tert-Butylbenzene	ND	1.0	0.25	1.00	
Carbon Disulfide	ND	10	0.70	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.16	1.00	
Chloroethane	ND	5.0	0.76	1.00	
Chloroform	ND	1.0	0.18	1.00	
Chloromethane	ND	10	0.50	1.00	
2-Chlorotoluene	ND	1.0	0.16	1.00	
4-Chlorotoluene	ND	1.0	0.18	1.00	
Dibromochloromethane	ND	2.0	0.46	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.1	1.00	
1,2-Dibromoethane	ND	1.0	0.27	1.00	
Dibromomethane	ND	1.0	0.30	1.00	
1,2-Dichlorobenzene	ND	1.0	0.14	1.00	
1,3-Dichlorobenzene	ND	1.0	0.19	1.00	
1,4-Dichlorobenzene	ND	1.0	0.24	1.00	
Dichlorodifluoromethane	ND	5.0	0.28	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.19	1.00	
1,1-Dichloroethene	ND	1.0	0.22	1.00	
c-1,2-Dichloroethene	ND	1.0	0.27	1.00	
t-1,2-Dichloroethene	ND	1.0	0.40	1.00	
1,2-Dichloropropane	ND	1.0	0.20	1.00	
1,3-Dichloropropane	ND	1.0	0.14	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Univar Brisbane			Page 22 of 22

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.44	1.00	
1,1-Dichloropropene	ND	1.0	0.17	1.00	
c-1,3-Dichloropropene	ND	0.50	0.20	1.00	
t-1,3-Dichloropropene	ND	0.50	0.23	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	5.3	1.00	
Isopropylbenzene	ND	1.0	0.16	1.00	
p-Isopropyltoluene	ND	1.0	0.22	1.00	
Methylene Chloride	ND	10	4.0	1.00	
4-Methyl-2-Pentanone	ND	10	0.46	1.00	
Naphthalene	ND	10	5.1	1.00	
n-Propylbenzene	ND	1.0	0.18	1.00	
Styrene	ND	1.0	0.15	1.00	
1,1,1,2-Tetrachloroethane	ND	2.0	0.43	1.00	
1,1,2,2-Tetrachloroethane	ND	10	0.17	1.00	
Tetrachloroethene	ND	1.0	0.24	1.00	
Toluene	ND	1.0	0.13	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.28	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.34	1.00	
1,1,1-Trichloroethane	ND	1.0	0.31	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.62	1.00	
1,1,2-Trichloroethane	ND	1.0	0.22	1.00	
Trichloroethene	ND	1.0	0.24	1.00	
Trichlorofluoromethane	ND	10	0.28	1.00	
1,2,3-Trichloropropane	ND	5.0	0.22	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.21	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.17	1.00	
Vinyl Acetate	ND	10	2.9	1.00	
Vinyl Chloride	ND	0.50	0.16	1.00	
p/m-Xylene	ND	2.0	0.31	1.00	
o-Xylene	ND	1.0	0.15	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.16	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	77-120	
Dibromofluoromethane	99	80-128	
1,2-Dichloroethane-d4	99	80-129	
Toluene-d8	98	80-120	

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

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
Project: Univar Brisbane			Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-01-1511-7	**Sample**	**Aqueous**	**IC 9**	**N/A**	**01/24/19 22:26**	**190124S02**
19-01-1511-7	**Matrix Spike**	**Aqueous**	**IC 9**	**N/A**	**01/24/19 22:45**	**190124S02**
19-01-1511-7	**Matrix Spike Duplicate**	**Aqueous**	**IC 9**	**N/A**	**01/24/19 23:04**	**190124S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Nitrite (as N)	ND	2.500	5.147	206	4.978	199	80-120	3	0-20	3
Nitrate (as N)	2.618	5.000	8.358	115	8.470	117	80-120	1	0-20	
Sulfate	1394	50.00	1454	119	1455	121	80-120	0	0-20	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	SM 5310 D
Project: Univar Brisbane			Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
19-01-1486-2	**Sample**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCS2**
19-01-1486-2	**Matrix Spike**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCS2**
19-01-1486-2	**Matrix Spike Duplicate**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCS2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	2.576	5.000	7.554	100	7.376	96	31-145	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
Project: Univar Brisbane			Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-04	**Sample**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 05:06**	**190131S018**
MW-04	**Matrix Spike**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 05:41**	**190131S018**
MW-04	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**01/31/19**	**02/01/19 06:15**	**190131S018**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	ND	2000	1557	78	1684	84	68-122	8	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
Project: Univar Brisbane			Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-07	**Sample**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 20:02**	**190202S011**
MW-07	**Matrix Spike**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 20:37**	**190202S011**
MW-07	**Matrix Spike Duplicate**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 21:12**	**190202S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	ND	2000	1384	69	1556	78	68-122	12	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 200.7
Project: Univar Brisbane			Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-02	**Sample**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:51**	**190206SA2**
MW-02	**Matrix Spike**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:47**	**190206SA2**
MW-02	**Matrix Spike Duplicate**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:49**	**190206SA2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron	11.49	0.5000	11.76	4X	11.78	4X	80-120	4X	0-20	Q

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Univar Brisbane			Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-01	**Sample**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:15**	**190206SA4**
MW-01	**Matrix Spike**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:11**	**190206SA4**
MW-01	**Matrix Spike Duplicate**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:13**	**190206SA4**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Calcium	307.5	0.5000	306.3	4X	308.2	4X	77-113	4X	0-11	Q
Iron	18.13	0.5000	18.40	4X	18.30	4X	65-149	4X	0-21	Q
Magnesium	390.5	0.5000	391.0	4X	388.0	4X	56-140	4X	0-11	Q
Manganese	3.971	0.5000	4.420	4X	4.390	4X	86-116	4X	0-7	Q

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
Project: Univar Brisbane			Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-01	**Sample**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 15:53**	**190131S012**
MW-01	**Matrix Spike**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 16:23**	**190131S012**
MW-01	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 16:52**	**190131S012**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	675.4	200.0	941.2	133	832.7	79	70-130	12	0-20	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
Project: Univar Brisbane			Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-04	**Sample**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 12:27**	**190204S005**
MW-04	**Matrix Spike**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 13:25**	**190204S005**
MW-04	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 13:54**	**190204S005**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	483.7	100.0	504.0	20	489.8	6	70-130	3	0-20	3

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
Project: Univar Brisbane			Page 9 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DUP-01	**Sample**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 22:38**	**190204S008**
DUP-01	**Matrix Spike**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 23:07**	**190204S008**
DUP-01	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 23:36**	**190204S008**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	15230	5000	20480	105	21700	129	70-130	6	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	RSK-175M
Project: Univar Brisbane			Page 1 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-2330	**LCS**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 09:28**	**190126L01**
099-12-661-2330	**LCSD**	**Aqueous**	**GC 61**	**N/A**	**01/26/19 09:50**	**190126L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Ethane	103.0	100.6	98	100.6	98	80-120	0	0-20	
Ethylene	103.0	100.2	97	99.92	97	80-120	0	0-20	
Methane	105.0	100.3	96	99.97	95	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
Project: Univar Brisbane			Page 2 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-9076	**LCS**	**Aqueous**	**IC 9**	**N/A**	**01/24/19 20:14**	**190124L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Nitrite (as N)	2.500	2.613	105	90-110	
Nitrate (as N)	5.000	5.227	105	90-110	
Sulfate	50.00	52.34	105	90-110	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 300.0
Project: Univar Brisbane			Page 3 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-9119	**LCS**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 00:46**	**190202L02**
099-12-906-9119	**LCSD**	**Aqueous**	**IC 15**	**N/A**	**02/03/19 01:06**	**190202L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Chloride	50.00	48.32	97	48.36	97	90-110	0	0-15	
Sulfate	50.00	48.19	96	48.17	96	90-110	0	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	SM 5310 D
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-17-115-119	**LCS**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**
099-17-115-119	**LCSD**	**Aqueous**	**TOC 12**	**01/26/19**	**01/26/19 13:11**	**J0126TOCL2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	5.000	5.320	106	5.325	106	85-115	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B
Project: Univar Brisbane			Page 5 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-418-1795	**LCS**	**Aqueous**	**GC 47**	**01/29/19**	**01/29/19 23:26**	**190129B05B**
099-15-418-1795	**LCSD**	**Aqueous**	**GC 47**	**01/29/19**	**01/29/19 23:47**	**190129B05B**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	2000	1850	93	1774	89	69-123	4	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B
Project: Univar Brisbane			Page 6 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-418-1797	**LCS**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 13:01**	**190129B05S**
099-15-418-1797	**LCSD**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 13:22**	**190129B05S**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	2000	2340	117	2381	119	69-123	2	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: Univar Brisbane			Page 7 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-278-1671	**LCS**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 00:08**	**190129B06**
099-15-278-1671	**LCSD**	**Aqueous**	**GC 47**	**01/29/19**	**01/30/19 00:29**	**190129B06**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	1760	88	1669	83	75-117	5	0-13	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3510/SG 10
		Method:	EPA 8015B (M)
Project: Univar Brisbane			Page 8 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-394-20	**LCS**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 13:44**	**190129B06S**
099-15-394-20	**LCSD**	**Aqueous**	**GC 47**	**01/29/19**	**02/05/19 14:04**	**190129B06S**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	1908	95	2017	101	69-123	6	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
Project: Univar Brisbane			Page 9 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-022-4421	**LCS**	**Aqueous**	**GC 42**	**01/31/19**	**01/31/19 18:38**	**190131L050**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Gasoline Range Organics	2000	1744	87	78-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8015B
Project: Univar Brisbane			Page 10 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-022-4425	**LCS**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 13:24**	**190202L018**
099-12-022-4425	**LCSD**	**Aqueous**	**GC 42**	**02/02/19**	**02/02/19 13:59**	**190202L018**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	2000	1751	88	1722	86	78-120	2	0-10	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA 200.7
Project: Univar Brisbane			Page 11 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-012-7589	**LCS**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:43**	**190206LA2**
097-01-012-7589	**LCSD**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 22:45**	**190206LA2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron	0.5000	0.5102	102	0.5168	103	85-115	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: Univar Brisbane			Page 12 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-17249	**LCS**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:07**	**190206LA4**
097-01-003-17249	**LCSD**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:09**	**190206LA4**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	0.5116	102	0.5038	101	80-120	2	0-20	
Magnesium	0.5000	0.5022	100	0.4959	99	80-120	1	0-20	
Manganese	0.5000	0.5168	103	0.5093	102	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
Project: Univar Brisbane			Page 13 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-683-2667	**LCS**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:07**	**190206LA4F**
099-15-683-2667	**LCSD**	**Aqueous**	**ICP 8300**	**02/06/19**	**02/06/19 21:09**	**190206LA4F**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Calcium	0.5000	0.5116	102	0.5038	101	80-120	2	0-20	
Iron	0.5000	0.5213	104	0.5143	103	80-120	1	0-20	
Magnesium	0.5000	0.5022	100	0.4959	99	80-120	1	0-20	
Manganese	0.5000	0.5168	103	0.5093	102	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
Project: Univar Brisbane			Page 14 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-536-386	**LCS**	**Aqueous**	**GC/MS M**	**01/31/19**	**01/31/19 13:03**	**190131L036**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	16.94	85	75-120	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
Project: Univar Brisbane			Page 15 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-536-387	**LCS**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 10:46**	**190204L011**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	16.89	84	75-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260 SIM
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-536-388	**LCS**	**Aqueous**	**GC/MS M**	**02/04/19**	**02/04/19 20:42**	**190204L027**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	17.14	86	75-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-27944	**LCS**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 09:25**	**190201L001**
099-14-001-27944	**LCSD**	**Aqueous**	**GC/MS JJ**	**02/01/19**	**02/01/19 09:52**	**190201L001**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	40.95	82	42.45	85	53-137	39-151	4	0-21	
Benzene	50.00	50.42	101	49.98	100	79-121	72-128	1	0-20	
Bromobenzene	50.00	52.84	106	52.97	106	80-120	73-127	0	0-20	
Bromochloromethane	50.00	54.96	110	54.28	109	80-122	73-129	1	0-20	
Bromodichloromethane	50.00	54.56	109	54.81	110	80-124	73-131	0	0-20	
Bromoform	50.00	47.58	95	47.65	95	73-127	64-136	0	0-20	
Bromomethane	50.00	64.18	128	63.32	127	50-150	33-167	1	0-26	
2-Butanone	50.00	48.39	97	49.07	98	60-126	49-137	1	0-20	
n-Butylbenzene	50.00	52.99	106	52.49	105	72-138	61-149	1	0-20	
sec-Butylbenzene	50.00	52.52	105	52.04	104	77-131	68-140	1	0-20	
tert-Butylbenzene	50.00	53.54	107	53.25	107	80-125	72-132	1	0-20	
Carbon Disulfide	50.00	47.36	95	46.77	94	50-150	33-167	1	0-22	
Carbon Tetrachloride	50.00	51.30	103	50.43	101	65-143	52-156	2	0-20	
Chlorobenzene	50.00	50.20	100	50.10	100	80-120	73-127	0	0-20	
Chloroethane	50.00	50.27	101	49.52	99	62-128	51-139	1	0-20	
Chloroform	50.00	51.11	102	50.85	102	80-120	73-127	1	0-20	
Chloromethane	50.00	48.86	98	47.97	96	43-133	28-148	2	0-20	
2-Chlorotoluene	50.00	52.10	104	51.97	104	80-121	73-128	0	0-20	
4-Chlorotoluene	50.00	52.46	105	51.98	104	80-120	73-127	1	0-20	
Dibromochloromethane	50.00	53.31	107	53.74	107	80-123	73-130	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	49.85	100	50.89	102	66-126	56-136	2	0-20	
1,2-Dibromoethane	50.00	51.43	103	52.18	104	80-120	73-127	1	0-20	
Dibromomethane	50.00	53.32	107	53.89	108	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	51.77	104	52.13	104	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	51.18	102	51.13	102	80-120	73-127	0	0-20	
1,4-Dichlorobenzene	50.00	50.50	101	50.37	101	80-120	73-127	0	0-20	
Dichlorodifluoromethane	50.00	50.16	100	47.92	96	50-150	33-167	5	0-30	
1,1-Dichloroethane	50.00	45.97	92	45.37	91	72-126	63-135	1	0-20	
1,2-Dichloroethane	50.00	50.72	101	51.09	102	76-120	69-127	1	0-20	
1,1-Dichloroethene	50.00	49.92	100	49.32	99	66-132	55-143	1	0-20	
c-1,2-Dichloroethene	50.00	53.25	106	52.57	105	78-120	71-127	1	0-20	
t-1,2-Dichloroethene	50.00	51.35	103	50.89	102	66-132	55-143	1	0-20	
1,2-Dichloropropane	50.00	51.24	102	51.74	103	80-120	73-127	1	0-20	
1,3-Dichloropropane	50.00	50.88	102	51.66	103	80-120	73-127	2	0-20	
2,2-Dichloropropane	50.00	51.73	103	50.78	102	50-150	33-167	2	0-20	
1,1-Dichloropropene	50.00	48.92	98	48.00	96	75-123	67-131	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Univar Brisbane			Page 18 of 20

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	53.24	106	53.26	107	77-131	68-140	0	0-20	
t-1,3-Dichloropropene	50.00	44.46	89	45.31	91	76-136	66-146	2	0-20	
Ethylbenzene	50.00	52.19	104	52.17	104	80-120	73-127	0	0-20	
2-Hexanone	50.00	48.94	98	50.18	100	63-123	53-133	2	0-20	
Isopropylbenzene	50.00	53.17	106	52.78	106	80-128	72-136	1	0-20	
p-Isopropyltoluene	50.00	53.11	106	52.58	105	73-133	63-143	1	0-20	
Methylene Chloride	50.00	49.41	99	49.40	99	61-133	49-145	0	0-27	
4-Methyl-2-Pentanone	50.00	49.68	99	50.83	102	65-125	55-135	2	0-20	
Naphthalene	50.00	49.01	98	50.57	101	69-129	59-139	3	0-20	
n-Propylbenzene	50.00	53.05	106	53.16	106	80-128	72-136	0	0-20	
Styrene	50.00	53.77	108	54.06	108	80-126	72-134	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	54.64	109	55.09	110	80-129	72-137	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	52.20	104	52.39	105	74-122	66-130	0	0-20	
Tetrachloroethene	50.00	42.94	86	42.99	86	55-139	41-153	0	0-23	
Toluene	50.00	52.06	104	51.73	103	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	50.51	101	51.57	103	72-132	62-142	2	0-20	
1,2,4-Trichlorobenzene	50.00	52.15	104	52.81	106	74-134	64-144	1	0-20	
1,1,1-Trichloroethane	50.00	49.54	99	49.08	98	76-124	68-132	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	44.71	89	42.78	86	54-150	38-166	4	0-30	
1,1,2-Trichloroethane	50.00	52.60	105	53.32	107	80-120	73-127	1	0-20	
Trichloroethene	50.00	50.70	101	50.53	101	79-121	72-128	0	0-20	
Trichlorofluoromethane	50.00	56.25	113	54.69	109	72-132	62-142	3	0-20	
1,2,3-Trichloropropane	50.00	52.20	104	52.74	105	75-123	67-131	1	0-20	
1,2,4-Trimethylbenzene	50.00	53.43	107	52.99	106	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	53.70	107	53.44	107	77-131	68-140	0	0-20	
Vinyl Acetate	50.00	51.36	103	52.25	104	50-150	33-167	2	0-20	
Vinyl Chloride	50.00	52.60	105	51.36	103	63-129	52-140	2	0-20	
p/m-Xylene	100.0	102.8	103	102.7	103	80-122	73-129	0	0-20	
o-Xylene	50.00	52.73	105	52.88	106	80-128	72-136	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	42.57	85	43.19	86	69-123	60-132	1	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Univar Brisbane			Page 19 of 20

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-27954	**LCS**	**Aqueous**	**GC/MS JJ**	**02/04/19**	**02/04/19 10:04**	**190204L001**
099-14-001-27954	**LCSD**	**Aqueous**	**GC/MS JJ**	**02/04/19**	**02/04/19 10:31**	**190204L001**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	48.33	97	50.08	100	53-137	39-151	4	0-21	
Benzene	50.00	53.81	108	53.53	107	79-121	72-128	1	0-20	
Bromobenzene	50.00	56.73	113	55.47	111	80-120	73-127	2	0-20	
Bromochloromethane	50.00	57.43	115	56.88	114	80-122	73-129	1	0-20	
Bromodichloromethane	50.00	57.05	114	57.07	114	80-124	73-131	0	0-20	
Bromoform	50.00	48.99	98	50.68	101	73-127	64-136	3	0-20	
Bromomethane	50.00	69.61	139	68.42	137	50-150	33-167	2	0-26	
2-Butanone	50.00	49.09	98	51.66	103	60-126	49-137	5	0-20	
n-Butylbenzene	50.00	57.68	115	55.37	111	72-138	61-149	4	0-20	
sec-Butylbenzene	50.00	56.65	113	55.18	110	77-131	68-140	3	0-20	
tert-Butylbenzene	50.00	54.93	110	53.53	107	80-125	72-132	3	0-20	
Carbon Disulfide	50.00	57.24	114	56.52	113	50-150	33-167	1	0-22	
Carbon Tetrachloride	50.00	61.22	122	61.21	122	65-143	52-156	0	0-20	
Chlorobenzene	50.00	53.48	107	52.82	106	80-120	73-127	1	0-20	
Chloroethane	50.00	52.00	104	52.19	104	62-128	51-139	0	0-20	
Chloroform	50.00	53.38	107	53.90	108	80-120	73-127	1	0-20	
Chloromethane	50.00	52.28	105	51.32	103	43-133	28-148	2	0-20	
2-Chlorotoluene	50.00	56.04	112	54.35	109	80-121	73-128	3	0-20	
4-Chlorotoluene	50.00	54.40	109	53.63	107	80-120	73-127	1	0-20	
Dibromochloromethane	50.00	56.43	113	56.65	113	80-123	73-130	0	0-20	
1,2-Dibromo-3-Chloropropane	50.00	49.27	99	50.57	101	66-126	56-136	3	0-20	
1,2-Dibromoethane	50.00	53.81	108	53.78	108	80-120	73-127	0	0-20	
Dibromomethane	50.00	54.75	110	55.02	110	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	53.69	107	53.07	106	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	53.70	107	52.59	105	80-120	73-127	2	0-20	
1,4-Dichlorobenzene	50.00	53.34	107	52.33	105	80-120	73-127	2	0-20	
Dichlorodifluoromethane	50.00	62.95	126	59.61	119	50-150	33-167	5	0-30	
1,1-Dichloroethane	50.00	47.93	96	48.26	97	72-126	63-135	1	0-20	
1,2-Dichloroethane	50.00	52.56	105	52.78	106	76-120	69-127	0	0-20	
1,1-Dichloroethene	50.00	58.57	117	58.85	118	66-132	55-143	0	0-20	
c-1,2-Dichloroethene	50.00	55.97	112	56.30	113	78-120	71-127	1	0-20	
t-1,2-Dichloroethene	50.00	56.37	113	56.35	113	66-132	55-143	0	0-20	
1,2-Dichloropropane	50.00	54.04	108	53.94	108	80-120	73-127	0	0-20	
1,3-Dichloropropane	50.00	52.60	105	52.76	106	80-120	73-127	0	0-20	
2,2-Dichloropropane	50.00	58.62	117	58.12	116	50-150	33-167	1	0-20	
1,1-Dichloropropene	50.00	55.53	111	55.44	111	75-123	67-131	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1524
Geneva, IL 60134-2808		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Univar Brisbane			Page 20 of 20

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	56.00	112	56.27	113	77-131	68-140	0	0-20	
t-1,3-Dichloropropene	50.00	47.41	95	47.22	94	76-136	66-146	0	0-20	
Ethylbenzene	50.00	56.16	112	55.24	110	80-120	73-127	2	0-20	
2-Hexanone	50.00	49.00	98	51.01	102	63-123	53-133	4	0-20	
Isopropylbenzene	50.00	57.98	116	56.31	113	80-128	72-136	3	0-20	
p-Isopropyltoluene	50.00	56.95	114	55.53	111	73-133	63-143	3	0-20	
Methylene Chloride	50.00	53.80	108	53.52	107	61-133	49-145	1	0-27	
4-Methyl-2-Pentanone	50.00	48.56	97	50.66	101	65-125	55-135	4	0-20	
Naphthalene	50.00	49.64	99	49.95	100	69-129	59-139	1	0-20	
n-Propylbenzene	50.00	59.13	118	56.42	113	80-128	72-136	5	0-20	
Styrene	50.00	57.75	116	56.34	113	80-126	72-134	2	0-20	
1,1,1,2-Tetrachloroethane	50.00	58.22	116	58.08	116	80-129	72-137	0	0-20	
1,1,2,2-Tetrachloroethane	50.00	49.53	99	51.07	102	74-122	66-130	3	0-20	
Tetrachloroethene	50.00	61.30	123	64.67	129	55-139	41-153	5	0-23	
Toluene	50.00	55.29	111	54.72	109	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	53.38	107	51.77	104	72-132	62-142	3	0-20	
1,2,4-Trichlorobenzene	50.00	55.90	112	53.87	108	74-134	64-144	4	0-20	
1,1,1-Trichloroethane	50.00	55.39	111	55.91	112	76-124	68-132	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	61.08	122	57.39	115	54-150	38-166	6	0-30	
1,1,2-Trichloroethane	50.00	54.24	108	54.40	109	80-120	73-127	0	0-20	
Trichloroethene	50.00	55.55	111	55.74	111	79-121	72-128	0	0-20	
Trichlorofluoromethane	50.00	62.09	124	60.44	121	72-132	62-142	3	0-20	
1,2,3-Trichloropropane	50.00	53.36	107	53.87	108	75-123	67-131	1	0-20	
1,2,4-Trimethylbenzene	50.00	55.38	111	54.70	109	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	58.52	117	56.45	113	77-131	68-140	4	0-20	
Vinyl Acetate	50.00	51.13	102	50.86	102	50-150	33-167	1	0-20	
Vinyl Chloride	50.00	56.83	114	56.75	114	63-129	52-140	0	0-20	
p/m-Xylene	100.0	112.0	112	108.6	109	80-122	73-129	3	0-20	
o-Xylene	50.00	56.55	113	55.28	111	80-128	72-136	2	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	44.48	89	45.55	91	69-123	60-132	2	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 19-01-1524

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 200.7	N/A	1080	ICP 8300	1
EPA 300.0	N/A	27	IC 9	1
EPA 300.0	N/A	27	IC 15	1
EPA 6010B	EPA 3005A Filt.	1080	ICP 8300	1
EPA 6010B	EPA 3010A Total	1080	ICP 8300	1
EPA 8015B	EPA 3510C	1028	GC 47	1
EPA 8015B	EPA 5030C	607	GC 42	2
EPA 8015B	EPA 5030C	1161	GC 42	2
EPA 8015B	EPA 3510/SG 10	1028	GC 47	1
EPA 8015B (M)	EPA 3510C	1028	GC 47	1
EPA 8015B (M)	EPA 3510/SG 10	1028	GC 47	1
EPA 8260 SIM	EPA 5030C	867	GC/MS M	2
EPA 8260B	EPA 5030C	1120	GC/MS JJ	2
RSK-175M	N/A	1158	GC 61	2
SM 5310 D	N/A	834	TOC 12	1

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Glossary of Terms and Qualifiers

Work Order: 19-01-1524

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.
CI	See case narrative.
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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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **19-01-1524**

DATE: 1/23/2019

PAGE: 1 OF 1

LABORATORY CLIENT: EHS Support

ADDRESS: 115 Crissey Ave

CITY: Geneva STATE: IL ZIP: 60134

TEL: 224 422 6261 E-MAIL: Greg.white@ehs-support.com

CLIENT PROJECT NAME / NUMBER: Univer Brisbane

P.O. NO.:

PROJECT CONTACT: Greg White

SAMPLER(S): (PRINT) Tim Davis, Tia Neal, Colin Rowland

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
1. TPH DRO & ORO with & without SGC
2. Dissolved metals (Fe, Ca, Mg, Mn)

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~Unpreserved~~	UN Preserved	Field Filtered	☒ TPH(g) ~~☒~~ GRO 8015B	☒ TPH(d) ~~☒~~ DRO 8015B[1]	TPH ☐ C6-C36 ☐ C6-C44	TPH Motor oil[1]	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	~~Oxygenates (8260)~~ 1,4 Dioxan 8260	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	~~PAHs ☐ 8270 ☐ 8270 SIM~~ 601 OIS Ca, Mg, Mn	T22 Metals ☒ 6010/747X ☐ 6020/747X Dissolved metals[2]	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Total Fe (200.7)	Anions (300.0)	TOC (SM5310C)	Dissolved gases (RSK175)
1	MW-01	1/23/19	955	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
2	MW-02	1/23/19	1155	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
3	MW-03	1/23/19	1355	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
4	MW-04	1/23/19	1234	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
5	MW-05	1/23/19	1427	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
6	MW-06	1/23/19	0949	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
7	MW-07	1/23/19	1106	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
8	Dup-01	1/23/19	1355	GW	16	14	1	1	X	X		X		X	X					X	X		X	X	X	X
9	Trip blank			W	1									X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]		1/23/19	1700
Relinquished by: (Signature)	Received by: (Signature/Affiliation) [signature]	1/24/19	1030
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

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1524

ORIGIN ID:SQLA (916) 597-3584
TIM DAVIS
EHS-SUPPORT
2842 33RD STREET

SACRAMENTO, CA 95817
UNITED STATES US

SHIP DATE: 23JAN19
ACTWGT: 59.80 LB
CAD: 006995015/SSFE1922
DIMS: 21x15x13 IN

BILL THIRD PARTY

TO EUROFIN CALSCIENCE INC
SAMPLE CONTROL
7440 LINCOLN WAY
REF # C01959-2019
GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT:

FedEx Express

4 of 5
MPS# 0263 7851 0824 4544
Mstr# 7851 0824 4511

THU - 24 JAN 10:30A
PRIORITY OVERNIGHT

020

92 APVA

92841
CA-US SNA

ORIGIN ID:SQLA (916) 597-3584
M DAVIS
S-SUPPORT
42 33RD STREET

CRAMENTO, CA 95817
TED STATES US

SHIP DATE: 23JAN19
ACTWGT: 43.30 LB
CAD: 006995015/SSFE1922
DIMS: 18x13x11 IN

BILL THIRD PARTY

EUROFIN CALSCIENCE INC
SAMPLE CONTROL
7440 LINCOLN WAY
REF # C01959-2019
GARDEN GROVE CA 92841
14) 895-5494 REF:
DEPT:

FedEx Express

5 of 5
MPS# 0263 7851 0824 4555
Mstr# 7851 0824 4511

THU - 24 JAN 10:30A
PRIORITY OVERNIGHT

0201

92 APVA

92841
CA-US SNA

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WORK ORDER NUMBER: 19-01-1524

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: EHS

DATE: 01 / 24 / 2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.9 °C (w/ CF): 2.4 °C; ☑ Blank ☐ Sample

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

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

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 15

CUSTODY SEAL:

Cooler	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 15
Sample(s)	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 1106

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☐	☑	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☑	☐	☐
Container(s) for certain analysis free of headspace	☐	☑	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: 190111A)

Aqueous: ☐ VOA ☑ VOAh ☐ VOA**na₂** ☐ 100PJ ☐ 100PJ**na₂** ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☑ 125PB ☐ 125PB**znna** (pH__9) ☐ 250AGB ☐ 250CGB ☑ 250CGBs (pH≤2) ☐ 250PB ☑ 250PBn (pH≤2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB ☐ 1AGB ☐ 1AGB**na₂** ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PBna (pH__12) ☑ 1AGBs ☑ 250PBnf (pH<2) ☑ _____

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

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na₂** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1106

Reviewed by: GFG

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WORK ORDER NUMBER: 19-01-1524

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: EHS

DATE: 01/24/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.3 °C (w/ CF): 1.8 °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

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 15

CUSTODY SEAL:

Cooler	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 15
Sample(s)	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 1106

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☐	☑	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☑	☐	☐
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☑ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☑ VOAh ☐ VOA**na₂** ☐ 100PJ ☐ 100PJ**na₂** ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☑ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☑ 250CGBs (pH≤2) ☐ 250PB ☑ 250PBn (pH≤2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na₂** ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☑ 250PBnz (pH<2) ☐ _____ ☐ _____

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

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na₂** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1106

Reviewed by: BR

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WORK ORDER NUMBER: 19-01-1524

SAMPLE ANOMALY REPORT

DATE: 01/24/2019

SAMPLES, CONTAINERS, AND LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☑ Sample container(s) compromised (comment)
  - ☑ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

Comments

Received vials broken
(-2) 4 of 11
(-5) 1 of 11
(-6) 2 of 11

(-3) Received 1 of 11 vials and TOC bottle broken.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**
1	B	11			

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments:

Reported by: 619

Reviewed by: 1017

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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WORK ORDER NUMBER: 19-01-1527

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: EHS Support, LLC

Client Project Name: Univar / Brisbane

Attention: Greg White
115 Crissey Avenue
Geneva, IL 60134-2808

Approved for release on 02/06/2019 by:
Lori Thompson
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute 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: 19-01-1527

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Work Order Narrative

Work Order: 19-01-1527 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/24/19. They were assigned to Work Order 19-01-1527.

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.

Subcontractor Information:

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

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.

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.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	EHS Support, LLC 115 Crissey Avenue Geneva, IL 60134-2808	Work Order:	19-01-1527
		Project Name:	Univar / Brisbane
		PO Number:	
		Date/Time Received:	01/24/19 10:15
		Number of Containers:	10
Attn:	Greg White		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SSV-01A	19-01-1527-1	01/23/19 10:58	1	Air
SSV-02A	19-01-1527-2	01/23/19 12:14	1	Air
SSV-08A	19-01-1527-3	01/23/19 12:45	1	Air
SVP-01A	19-01-1527-4	01/23/19 10:23	1	Air
SVP-02A	19-01-1527-5	01/23/19 11:43	1	Air
SVP-03A	19-01-1527-6	01/23/19 09:31	1	Air
DUP-01A	19-01-1527-7	01/23/19 10:58	1	Air
IA-01A	19-01-1527-8	01/22/19 15:40	1	Air
DUP-01	19-01-1527-9	01/22/19 15:40	1	Air
OA-01A	19-01-1527-10	01/22/19 16:00	1	Air

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	ASTM D-1946 (M)
		Units:	%v
Project: Univar / Brisbane			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SSV-01A	**19-01-1527-1-A**	**01/23/19 10:58**	**Air**	**GC 55**	**N/A**	**01/24/19 16:06**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

SSV-02A	**19-01-1527-2-A**	**01/23/19 12:14**	**Air**	**GC 55**	**N/A**	**01/24/19 16:27**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

SSV-08A	**19-01-1527-3-A**	**01/23/19 12:45**	**Air**	**GC 55**	**N/A**	**01/24/19 16:50**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

SVP-01A	**19-01-1527-4-A**	**01/23/19 10:23**	**Air**	**GC 55**	**N/A**	**01/24/19 17:12**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

SVP-02A	**19-01-1527-5-A**	**01/23/19 11:43**	**Air**	**GC 55**	**N/A**	**01/24/19 17:34**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	0.0106	0.0100	0.00565	1.00	

SVP-03A	**19-01-1527-6-A**	**01/23/19 09:31**	**Air**	**GC 55**	**N/A**	**01/24/19 18:40**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	ASTM D-1946 (M)
		Units:	%v
Project: Univar / Brisbane			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01A	**19-01-1527-7-A**	**01/23/19 10:58**	**Air**	**GC 55**	**N/A**	**01/24/19 19:04**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	0.0101	0.0100	0.00565	1.00	

Method Blank	**099-12-872-1363**	**N/A**	**Air**	**GC 55**	**N/A**	**01/24/19 10:58**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Helium	ND	0.0100	0.00565	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 1 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SSV-01A	**19-01-1527-1-A**	**01/23/19 10:58**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 23:12**	**190125L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	23	4.8	2.6	1.00	
Benzene	0.58	1.6	0.54	1.00	J
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	2.6	4.4	2.4	1.00	J
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	17	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.7	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	37	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	91	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	6.8	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 2 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	2.3	6.1	2.1	1.00	J
Tetrachloroethene	360	3.4	1.6	1.00	
Toluene	2.2	1.9	0.81	1.00	
Trichloroethene	230	2.7	0.87	1.00	
Trichlorofluoromethane	1.6	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	12	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	16	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	68-134	
1,2-Dichloroethane-d4	90	67-133	
Toluene-d8	97	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 3 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SSV-02A	**19-01-1527-2-A**	**01/23/19 12:14**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 07:12**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	5.5	4.8	2.6	1.00	
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	1.3	3.1	1.1	1.00	J
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	18	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.7	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	110	2.0	0.60	1.00	
1,1-Dichloroethene	1.6	2.0	0.81	1.00	J
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	47	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	7.3	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 4 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	2.3	6.1	2.1	1.00	J
Toluene	0.83	1.9	0.81	1.00	J
Trichloroethene	360	2.7	0.87	1.00	
Trichlorofluoromethane	1.7	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	20	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	5.6	12	2.2	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	108	68-134	
1,2-Dichloroethane-d4	85	67-133	
Toluene-d8	107	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 5 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SSV-02A	**19-01-1527-2-A**	**01/23/19 12:14**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 00:02**	**190125L01**

Comment(s): - Results were evaluated to the 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	770	7.0	3.3	2.06	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	68-134	
1,2-Dichloroethane-d4	87	67-133	
Toluene-d8	99	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 6 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SSV-08A	**19-01-1527-3-A**	**01/23/19 12:45**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 00:52**	**190125L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	62	12	2.25	
sec-Butylbenzene	ND	62	12	2.25	
tert-Butylbenzene	ND	62	12	2.25	
Acetone	ND	11	5.8	2.25	
Benzene	ND	3.6	1.2	2.25	
Benzyl Chloride	ND	23	10	2.25	
Bromodichloromethane	ND	7.5	2.0	2.25	
Bromoform	ND	12	5.5	2.25	
Bromomethane	ND	4.4	2.1	2.25	
2-Butanone	ND	10	5.4	2.25	
Carbon Disulfide	ND	14	1.4	2.25	
Carbon Tetrachloride	ND	7.1	2.4	2.25	
Chlorobenzene	ND	5.2	1.6	2.25	
Chloroethane	ND	3.0	1.6	2.25	
Chloroform	12	5.5	1.9	2.25	
Chloromethane	ND	4.6	1.7	2.25	
Dibromochloromethane	ND	9.6	3.4	2.25	
Dichlorodifluoromethane	2.9	5.6	1.9	2.25	J
Diisopropyl Ether (DIPE)	ND	19	8.1	2.25	
1,1-Dichloroethane	45	4.6	1.3	2.25	
1,1-Dichloroethene	ND	4.5	1.8	2.25	
1,2-Dibromoethane	ND	8.6	2.8	2.25	
Dichlorotetrafluoroethane	ND	31	2.1	2.25	
1,2-Dichlorobenzene	ND	6.8	5.2	2.25	
1,2-Dichloroethane	ND	4.6	1.3	2.25	
1,2-Dichloropropane	ND	5.2	1.6	2.25	
1,3-Dichlorobenzene	ND	6.8	5.0	2.25	
1,4-Dichlorobenzene	ND	6.8	5.1	2.25	
1,4-Dioxane	ND	81	10	2.25	
c-1,3-Dichloropropene	ND	5.1	2.4	2.25	
c-1,2-Dichloroethene	6.7	4.5	1.9	2.25	
t-1,2-Dichloroethene	ND	4.5	1.5	2.25	
t-1,3-Dichloropropene	ND	10	2.5	2.25	
Ethyl-t-Butyl Ether (ETBE)	ND	19	7.8	2.25	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 7 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	4.9	2.7	2.25	
4-Ethyltoluene	ND	11	4.9	2.25	
Hexachloro-1,3-Butadiene	ND	36	24	2.25	
2-Hexanone	ND	14	8.9	2.25	
Methyl-t-Butyl Ether (MTBE)	ND	16	6.6	2.25	
Methylene Chloride	ND	39	6.9	2.25	
4-Methyl-2-Pentanone	ND	14	7.7	2.25	
o-Xylene	ND	20	4.4	2.25	
p/m-Xylene	ND	39	9.7	2.25	
Styrene	ND	14	7.8	2.25	
Tert-Amyl-Methyl Ether (TAME)	ND	19	7.4	2.25	
Tert-Butyl Alcohol (TBA)	ND	14	4.8	2.25	
Tetrachloroethene	230	7.6	3.6	2.25	
Toluene	ND	4.2	1.8	2.25	
Trichloroethene	200	6.0	2.0	2.25	
Trichlorofluoromethane	ND	13	2.4	2.25	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	26	18	2.25	
1,1,1-Trichloroethane	9.8	6.1	2.0	2.25	
1,1,2-Trichloroethane	ND	6.1	2.0	2.25	
1,3,5-Trimethylbenzene	ND	11	5.0	2.25	
1,1,2,2-Tetrachloroethane	ND	15	3.3	2.25	
1,2,4-Trimethylbenzene	ND	17	11	2.25	
1,2,4-Trichlorobenzene	ND	33	13	2.25	
Vinyl Acetate	ND	16	7.1	2.25	
Vinyl Chloride	ND	2.9	0.89	2.25	
1,1-Difluoroethane	ND	12	5.6	2.25	
Isopropanol	ND	28	5.0	2.25	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	107	68-134	
1,2-Dichloroethane-d4	88	67-133	
Toluene-d8	97	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 8 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-01A	**19-01-1527-4-A**	**01/23/19 10:23**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 22:26**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	1900	360	70.1	
sec-Butylbenzene	ND	1900	370	70.1	
tert-Butylbenzene	ND	1900	380	70.1	
Acetone	ND	330	180	70.1	
Benzene	ND	110	38	70.1	
Benzyl Chloride	ND	730	320	70.1	
Bromodichloromethane	ND	230	62	70.1	
Bromoform	ND	360	170	70.1	
Bromomethane	ND	140	65	70.1	
2-Butanone	ND	310	170	70.1	
Carbon Disulfide	ND	440	42	70.1	
Carbon Tetrachloride	ND	220	76	70.1	
Chlorobenzene	ND	160	51	70.1	
Chloroethane	ND	92	51	70.1	
Chloroform	820	170	58	70.1	
Chloromethane	ND	140	52	70.1	
Dibromochloromethane	ND	300	110	70.1	
Dichlorodifluoromethane	ND	170	60	70.1	
Diisopropyl Ether (DIPE)	ND	590	250	70.1	
1,1-Dichloroethane	830	140	42	70.1	
1,1-Dichloroethene	ND	140	57	70.1	
1,2-Dibromoethane	ND	270	87	70.1	
Dichlorotetrafluoroethane	ND	980	66	70.1	
1,2-Dichlorobenzene	ND	210	160	70.1	
1,2-Dichloroethane	ND	140	41	70.1	
1,2-Dichloropropane	370	160	51	70.1	
1,3-Dichlorobenzene	ND	210	160	70.1	
1,4-Dichlorobenzene	ND	210	160	70.1	
1,4-Dioxane	ND	2500	320	70.1	
c-1,3-Dichloropropene	ND	160	75	70.1	
c-1,2-Dichloroethene	6300	140	58	70.1	
t-1,2-Dichloroethene	160	140	48	70.1	
t-1,3-Dichloropropene	ND	320	79	70.1	
Ethyl-t-Butyl Ether (ETBE)	ND	590	240	70.1	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 9 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	150	85	70.1	
4-Ethyltoluene	ND	340	150	70.1	
Hexachloro-1,3-Butadiene	ND	1100	750	70.1	
2-Hexanone	ND	430	280	70.1	
Methyl-t-Butyl Ether (MTBE)	ND	510	210	70.1	
Methylene Chloride	ND	1200	210	70.1	
4-Methyl-2-Pentanone	ND	430	240	70.1	
o-Xylene	ND	610	140	70.1	
p/m-Xylene	ND	1200	300	70.1	
Styrene	ND	450	240	70.1	
Tert-Amyl-Methyl Ether (TAME)	ND	590	230	70.1	
Tert-Butyl Alcohol (TBA)	ND	430	150	70.1	
Tetrachloroethene	6600	240	110	70.1	
Toluene	ND	130	56	70.1	
Trichlorofluoromethane	ND	390	76	70.1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	810	550	70.1	
1,1,1-Trichloroethane	320	190	63	70.1	
1,1,2-Trichloroethane	ND	190	61	70.1	
1,3,5-Trimethylbenzene	ND	340	150	70.1	
1,1,2,2-Tetrachloroethane	ND	480	100	70.1	
1,2,4-Trimethylbenzene	ND	520	340	70.1	
1,2,4-Trichlorobenzene	ND	1000	400	70.1	
Vinyl Acetate	ND	490	220	70.1	
Vinyl Chloride	ND	90	28	70.1	
1,1-Difluoroethane	ND	380	170	70.1	
Isopropanol	ND	860	160	70.1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	109	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	81	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 10 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-01A	**19-01-1527-4-A**	**01/23/19 10:23**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 23:16**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
Trichloroethene	65000	940	310	350	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	68-134	
1,2-Dichloroethane-d4	82	67-133	
Toluene-d8	110	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-02A	**19-01-1527-5-A**	**01/23/19 11:43**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 11:07**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	28	5.2	1.01	
sec-Butylbenzene	ND	28	5.3	1.01	
tert-Butylbenzene	ND	28	5.5	1.01	
Acetone	5.4	4.8	2.6	1.01	
Benzene	ND	1.6	0.54	1.01	
Benzyl Chloride	ND	10	4.6	1.01	
Bromodichloromethane	ND	3.4	0.89	1.01	
Bromoform	ND	5.2	2.5	1.01	
Bromomethane	ND	2.0	0.94	1.01	
2-Butanone	ND	4.5	2.4	1.01	
Carbon Disulfide	ND	6.3	0.61	1.01	
Carbon Tetrachloride	ND	3.2	1.1	1.01	
Chlorobenzene	ND	2.3	0.74	1.01	
Chloroethane	ND	1.3	0.73	1.01	
Chloroform	72	2.5	0.83	1.01	
Chloromethane	ND	2.1	0.76	1.01	
Dibromochloromethane	ND	4.3	1.5	1.01	
Dichlorodifluoromethane	2.4	2.5	0.86	1.01	J
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.01	
1,1-Dichloroethane	23	2.0	0.61	1.01	
1,1-Dichloroethene	ND	2.0	0.81	1.01	
1,2-Dibromoethane	ND	3.9	1.3	1.01	
Dichlorotetrafluoroethane	ND	14	0.95	1.01	
1,2-Dichlorobenzene	ND	3.0	2.3	1.01	
1,2-Dichloroethane	6.0	2.0	0.59	1.01	
1,2-Dichloropropane	11	2.3	0.73	1.01	
1,3-Dichlorobenzene	ND	3.0	2.3	1.01	
1,4-Dichlorobenzene	ND	3.0	2.3	1.01	
1,4-Dioxane	ND	36	4.6	1.01	
c-1,3-Dichloropropene	ND	2.3	1.1	1.01	
c-1,2-Dichloroethene	11	2.0	0.83	1.01	
t-1,2-Dichloroethene	0.74	2.0	0.69	1.01	J
t-1,3-Dichloropropene	ND	4.6	1.1	1.01	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.01	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 12 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.01	
4-Ethyltoluene	ND	5.0	2.2	1.01	
Hexachloro-1,3-Butadiene	ND	16	11	1.01	
2-Hexanone	ND	6.2	4.0	1.01	
Methyl-t-Butyl Ether (MTBE)	ND	7.3	3.0	1.01	
Methylene Chloride	3.2	18	3.1	1.01	J
4-Methyl-2-Pentanone	ND	6.2	3.4	1.01	
o-Xylene	ND	8.8	2.0	1.01	
p/m-Xylene	ND	18	4.4	1.01	
Styrene	ND	6.5	3.5	1.01	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.01	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.01	
Tetrachloroethene	460	3.4	1.6	1.01	
Toluene	5.8	1.9	0.81	1.01	
Trichloroethene	390	2.7	0.88	1.01	
Trichlorofluoromethane	1.8	5.7	1.1	1.01	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	12	7.9	1.01	
1,1,1-Trichloroethane	12	2.8	0.91	1.01	
1,1,2-Trichloroethane	ND	2.8	0.88	1.01	
1,3,5-Trimethylbenzene	ND	5.0	2.2	1.01	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.01	
1,2,4-Trimethylbenzene	ND	7.4	5.0	1.01	
1,2,4-Trichlorobenzene	ND	15	5.8	1.01	
Vinyl Acetate	ND	7.1	3.2	1.01	
Vinyl Chloride	ND	1.3	0.40	1.01	
1,1-Difluoroethane	ND	5.5	2.5	1.01	
Isopropanol	ND	12	2.3	1.01	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	68-134	
1,2-Dichloroethane-d4	90	67-133	
Toluene-d8	105	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 13 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-03A	**19-01-1527-6-A**	**01/23/19 09:31**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 02:21**	**190125L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	300	57	11.1	
sec-Butylbenzene	ND	300	59	11.1	
tert-Butylbenzene	ND	300	60	11.1	
Acetone	42	53	29	11.1	J
Benzene	410	18	6.0	11.1	
Benzyl Chloride	ND	110	51	11.1	
Bromodichloromethane	ND	37	9.8	11.1	
Bromoform	ND	57	27	11.1	
Bromomethane	ND	22	10	11.1	
2-Butanone	ND	49	27	11.1	
Carbon Disulfide	ND	69	6.7	11.1	
Carbon Tetrachloride	ND	35	12	11.1	
Chlorobenzene	44	26	8.1	11.1	
Chloroethane	980	15	8.0	11.1	
Chloroform	100	27	9.2	11.1	
Chloromethane	ND	23	8.3	11.1	
Dibromochloromethane	ND	47	17	11.1	
Dichlorodifluoromethane	ND	27	9.4	11.1	
Diisopropyl Ether (DIPE)	ND	93	40	11.1	
1,1-Dichloroethane	1600	22	6.6	11.1	
1,1-Dichloroethene	78	22	9.0	11.1	
1,2-Dibromoethane	ND	43	14	11.1	
Dichlorotetrafluoroethane	ND	160	10	11.1	
1,2-Dichlorobenzene	ND	33	26	11.1	
1,2-Dichloroethane	120	22	6.5	11.1	
1,2-Dichloropropane	ND	26	8.0	11.1	
1,3-Dichlorobenzene	ND	33	25	11.1	
1,4-Dichlorobenzene	ND	33	25	11.1	
1,4-Dioxane	ND	400	51	11.1	
c-1,3-Dichloropropene	ND	25	12	11.1	
c-1,2-Dichloroethene	2300	22	9.2	11.1	
t-1,2-Dichloroethene	51	22	7.6	11.1	
t-1,3-Dichloropropene	ND	50	12	11.1	
Ethyl-t-Butyl Ether (ETBE)	ND	93	39	11.1	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 14 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	24	14	11.1	
4-Ethyltoluene	ND	55	24	11.1	
Hexachloro-1,3-Butadiene	ND	180	120	11.1	
2-Hexanone	ND	68	44	11.1	
Methyl-t-Butyl Ether (MTBE)	ND	80	33	11.1	
Methylene Chloride	ND	190	34	11.1	
4-Methyl-2-Pentanone	ND	68	38	11.1	
o-Xylene	ND	96	22	11.1	
p/m-Xylene	ND	190	48	11.1	
Styrene	ND	71	38	11.1	
Tert-Amyl-Methyl Ether (TAME)	ND	93	37	11.1	
Tert-Butyl Alcohol (TBA)	ND	67	24	11.1	
Tetrachloroethene	6400	38	18	11.1	
Toluene	11	21	8.9	11.1	J
Trichloroethene	4300	30	9.7	11.1	
Trichlorofluoromethane	ND	62	12	11.1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	130	87	11.1	
1,1,1-Trichloroethane	180	30	10	11.1	
1,1,2-Trichloroethane	ND	30	9.7	11.1	
1,3,5-Trimethylbenzene	ND	55	24	11.1	
1,1,2,2-Tetrachloroethane	ND	76	16	11.1	
1,2,4-Trimethylbenzene	ND	82	55	11.1	
1,2,4-Trichlorobenzene	ND	160	64	11.1	
Vinyl Acetate	ND	78	35	11.1	
Vinyl Chloride	840	14	4.4	11.1	
1,1-Difluoroethane	ND	60	28	11.1	
Isopropanol	ND	140	25	11.1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	68-134	
1,2-Dichloroethane-d4	83	67-133	
Toluene-d8	124	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 15 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01A	**19-01-1527-7-A**	**01/23/19 10:58**	**Air**	**GC/MS OOO**	**N/A**	**01/27/19 00:52**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	11	4.8	2.6	1.00	
Benzene	4.9	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	13	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.6	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	26	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	140	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	8.0	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 16 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	1.2	2.2	1.2	1.00	J
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	4.9	17	4.3	1.00	J
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	240	3.4	1.6	1.00	
Toluene	9.8	1.9	0.81	1.00	
Trichloroethene	180	2.7	0.87	1.00	
Trichlorofluoromethane	1.5	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	8.5	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	6.1	12	2.2	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-134	
1,2-Dichloroethane-d4	91	67-133	
Toluene-d8	105	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 17 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IA-01A	**19-01-1527-8-A**	**01/22/19 15:40**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 19:24**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	18	4.8	2.6	1.00	
Benzene	0.90	1.6	0.54	1.00	J
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	1.1	2.1	0.75	1.00	J
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.3	2.5	0.85	1.00	J
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 18 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	3.9	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	1.3	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	15	5.4	2.5	1.00	
Isopropanol	7.2	12	2.2	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	99	67-133	
Toluene-d8	100	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 19 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1527-9-A**	**01/22/19 15:40**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 20:14**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	17	4.8	2.6	1.00	
Benzene	0.54	1.6	0.54	1.00	J
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	1.1	2.1	0.75	1.00	J
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.3	2.5	0.85	1.00	J
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 20 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	3.4	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	1.3	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	22	5.4	2.5	1.00	
Isopropanol	5.8	12	2.2	1.00	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	68-134	
1,2-Dichloroethane-d4	97	67-133	
Toluene-d8	99	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 21 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OA-01A	**19-01-1527-10-A**	**01/22/19 16:00**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 21:04**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	3.3	4.8	2.6	1.00	J
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	1.1	2.1	0.75	1.00	J
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	2.2	2.5	0.85	1.00	J
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 22 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	ND	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	1.2	5.6	1.1	1.00	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	ND	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	100	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			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	**095-01-021-21279**	**N/A**	**Air**	**GC/MS OOO**	**N/A**	**01/24/19 17:13**	**190124L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	ND	4.8	2.6	1.00	
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	ND	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 24 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	ND	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	ND	5.6	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	ND	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	97	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 25 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-21285**	**N/A**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 18:31**	**190125L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	ND	4.8	2.6	1.00	
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	ND	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 26 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	ND	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	ND	5.6	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	ND	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	97	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 27 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-21290**	**N/A**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 19:01**	**190126L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	ND	4.8	2.6	1.00	
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	ND	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 28 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	ND	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	ND	5.6	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	ND	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	95	67-133	
Toluene-d8	96	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			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	**095-01-021-21310**	**N/A**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 14:21**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
n-Butylbenzene	ND	27	5.2	1.00	
sec-Butylbenzene	ND	27	5.3	1.00	
tert-Butylbenzene	ND	27	5.4	1.00	
Acetone	ND	4.8	2.6	1.00	
Benzene	ND	1.6	0.54	1.00	
Benzyl Chloride	ND	10	4.6	1.00	
Bromodichloromethane	ND	3.4	0.88	1.00	
Bromoform	ND	5.2	2.4	1.00	
Bromomethane	ND	1.9	0.93	1.00	
2-Butanone	ND	4.4	2.4	1.00	
Carbon Disulfide	ND	6.2	0.61	1.00	
Carbon Tetrachloride	ND	3.1	1.1	1.00	
Chlorobenzene	ND	2.3	0.73	1.00	
Chloroethane	ND	1.3	0.72	1.00	
Chloroform	ND	2.4	0.83	1.00	
Chloromethane	ND	2.1	0.75	1.00	
Dibromochloromethane	ND	4.3	1.5	1.00	
Dichlorodifluoromethane	ND	2.5	0.85	1.00	
Diisopropyl Ether (DIPE)	ND	8.4	3.6	1.00	
1,1-Dichloroethane	ND	2.0	0.60	1.00	
1,1-Dichloroethene	ND	2.0	0.81	1.00	
1,2-Dibromoethane	ND	3.8	1.2	1.00	
Dichlorotetrafluoroethane	ND	14	0.94	1.00	
1,2-Dichlorobenzene	ND	3.0	2.3	1.00	
1,2-Dichloroethane	ND	2.0	0.58	1.00	
1,2-Dichloropropane	ND	2.3	0.72	1.00	
1,3-Dichlorobenzene	ND	3.0	2.2	1.00	
1,4-Dichlorobenzene	ND	3.0	2.3	1.00	
1,4-Dioxane	ND	36	4.6	1.00	
c-1,3-Dichloropropene	ND	2.3	1.1	1.00	
c-1,2-Dichloroethene	ND	2.0	0.83	1.00	
t-1,2-Dichloroethene	ND	2.0	0.69	1.00	
t-1,3-Dichloropropene	ND	4.5	1.1	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	8.4	3.5	1.00	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Univar / Brisbane			Page 30 of 30

Parameter	Result	RL	MDL	DF	Qualifiers
Ethylbenzene	ND	2.2	1.2	1.00	
4-Ethyltoluene	ND	4.9	2.2	1.00	
Hexachloro-1,3-Butadiene	ND	16	11	1.00	
2-Hexanone	ND	6.1	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	2.9	1.00	
Methylene Chloride	ND	17	3.1	1.00	
4-Methyl-2-Pentanone	ND	6.1	3.4	1.00	
o-Xylene	ND	8.7	2.0	1.00	
p/m-Xylene	ND	17	4.3	1.00	
Styrene	ND	6.4	3.5	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	8.4	3.3	1.00	
Tert-Butyl Alcohol (TBA)	ND	6.1	2.1	1.00	
Tetrachloroethene	ND	3.4	1.6	1.00	
Toluene	ND	1.9	0.81	1.00	
Trichloroethene	ND	2.7	0.87	1.00	
Trichlorofluoromethane	ND	5.6	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	7.8	1.00	
1,1,1-Trichloroethane	ND	2.7	0.90	1.00	
1,1,2-Trichloroethane	ND	2.7	0.87	1.00	
1,3,5-Trimethylbenzene	ND	4.9	2.2	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.5	1.00	
1,2,4-Trimethylbenzene	ND	7.4	4.9	1.00	
1,2,4-Trichlorobenzene	ND	15	5.7	1.00	
Vinyl Acetate	ND	7.0	3.1	1.00	
Vinyl Chloride	ND	1.3	0.39	1.00	
1,1-Difluoroethane	ND	5.4	2.5	1.00	
Isopropanol	ND	12	2.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	102	67-133	
Toluene-d8	97	70-130	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Univar / Brisbane			Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IA-01A	**19-01-1527-8-A**	**01/22/19 15:40**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 22:17**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,2-Dibromoethane	ND	0.19	0.17	1.00	
1,2-Dichloropropane	ND	0.12	0.063	1.00	
c-1,3-Dichloropropene	ND	0.11	0.050	1.00	
t-1,3-Dichloropropene	ND	0.11	0.046	1.00	
1,1,2,2-Tetrachloroethane	ND	0.17	0.11	1.00	
1,1,2-Trichloroethane	ND	0.14	0.080	1.00	
1,2-Dichloroethane	0.069	0.10	0.068	1.00	J
1,4-Dichlorobenzene	0.23	0.15	0.080	1.00	
1,4-Dioxane	ND	0.90	0.031	1.00	
Benzene	0.52	0.080	0.039	1.00	
Bromodichloromethane	ND	0.17	0.066	1.00	
Carbon Disulfide	ND	1.6	0.49	1.00	
Carbon Tetrachloride	0.29	0.31	0.25	1.00	J
Chloroform	0.099	0.12	0.059	1.00	J
Chloromethane	0.44	0.052	0.020	1.00	
Hexachloro-1,3-Butadiene	ND	1.1	0.53	1.00	
Naphthalene	ND	0.26	0.17	1.00	
Tetrachloroethene	0.30	0.17	0.13	1.00	
Vinyl Chloride	ND	0.13	0.058	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,2-Dichloroethane-d4	101	37-163	
1,4-Bromofluorobenzene	85	45-153	
Toluene-d8	107	73-121	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Univar / Brisbane			Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-01	**19-01-1527-9-A**	**01/22/19 15:40**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 23:06**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,2-Dibromoethane	ND	0.19	0.17	1.00	
1,2-Dichloropropane	0.082	0.12	0.063	1.00	J
c-1,3-Dichloropropene	ND	0.11	0.050	1.00	
t-1,3-Dichloropropene	ND	0.11	0.046	1.00	
1,1,2,2-Tetrachloroethane	ND	0.17	0.11	1.00	
1,1,2-Trichloroethane	ND	0.14	0.080	1.00	
1,2-Dichloroethane	ND	0.10	0.068	1.00	
1,4-Dichlorobenzene	0.18	0.15	0.080	1.00	
1,4-Dioxane	ND	0.90	0.031	1.00	
Benzene	0.27	0.080	0.039	1.00	
Bromodichloromethane	ND	0.17	0.066	1.00	
Carbon Disulfide	ND	1.6	0.49	1.00	
Carbon Tetrachloride	ND	0.31	0.25	1.00	
Chloroform	0.066	0.12	0.059	1.00	J
Chloromethane	0.48	0.052	0.020	1.00	
Hexachloro-1,3-Butadiene	ND	1.1	0.53	1.00	
Naphthalene	ND	0.26	0.17	1.00	
Tetrachloroethene	0.27	0.17	0.13	1.00	
Vinyl Chloride	ND	0.13	0.058	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,2-Dichloroethane-d4	102	37-163	
1,4-Bromofluorobenzene	93	45-153	
Toluene-d8	99	73-121	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Univar / Brisbane			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OA-01A	**19-01-1527-10-A**	**01/22/19 16:00**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 23:57**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,2-Dibromoethane	ND	0.19	0.17	1.00	
1,2-Dichloropropane	ND	0.12	0.063	1.00	
c-1,3-Dichloropropene	ND	0.11	0.050	1.00	
t-1,3-Dichloropropene	ND	0.11	0.046	1.00	
1,1,2,2-Tetrachloroethane	ND	0.17	0.11	1.00	
1,1,2-Trichloroethane	ND	0.14	0.080	1.00	
1,2-Dichloroethane	ND	0.10	0.068	1.00	
1,4-Dichlorobenzene	ND	0.15	0.080	1.00	
1,4-Dioxane	ND	0.90	0.031	1.00	
Benzene	0.19	0.080	0.039	1.00	
Bromodichloromethane	ND	0.17	0.066	1.00	
Carbon Disulfide	ND	1.6	0.49	1.00	
Carbon Tetrachloride	ND	0.31	0.25	1.00	
Chloroform	0.067	0.12	0.059	1.00	J
Chloromethane	0.42	0.052	0.020	1.00	
Hexachloro-1,3-Butadiene	ND	1.1	0.53	1.00	
Naphthalene	ND	0.26	0.17	1.00	
Tetrachloroethene	ND	0.17	0.13	1.00	
Vinyl Chloride	ND	0.13	0.058	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,2-Dichloroethane-d4	103	37-163	
1,4-Bromofluorobenzene	84	45-153	
Toluene-d8	103	73-121	

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

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Analytical Report

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Univar / Brisbane			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-214-486**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 21:26**	**190201L01**

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

Parameter	Result	RL	MDL	DF	Qualifiers
1,2-Dibromoethane	ND	0.19	0.17	1.00	
1,2-Dichloropropane	ND	0.12	0.063	1.00	
c-1,3-Dichloropropene	ND	0.11	0.050	1.00	
t-1,3-Dichloropropene	ND	0.11	0.046	1.00	
1,1,2,2-Tetrachloroethane	ND	0.17	0.11	1.00	
1,1,2-Trichloroethane	ND	0.14	0.080	1.00	
1,2-Dichloroethane	ND	0.10	0.068	1.00	
1,4-Dichlorobenzene	ND	0.15	0.080	1.00	
1,4-Dioxane	ND	0.90	0.031	1.00	
Benzene	ND	0.080	0.039	1.00	
Bromodichloromethane	ND	0.17	0.066	1.00	
Carbon Disulfide	ND	1.6	0.49	1.00	
Carbon Tetrachloride	ND	0.31	0.25	1.00	
Chloroform	ND	0.12	0.059	1.00	
Chloromethane	ND	0.052	0.020	1.00	
Hexachloro-1,3-Butadiene	ND	1.1	0.53	1.00	
Naphthalene	ND	0.26	0.17	1.00	
Tetrachloroethene	ND	0.17	0.13	1.00	
Vinyl Chloride	ND	0.13	0.058	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,2-Dichloroethane-d4	103	37-163	
1,4-Bromofluorobenzene	87	45-153	
Toluene-d8	99	73-121	

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

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	ASTM D-1946 (M)
Project: Univar / Brisbane			Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-872-1363	**LCS**	**Air**	**GC 55**	**N/A**	**01/24/19 10:12**	**190124L01**
099-12-872-1363	**LCSD**	**Air**	**GC 55**	**N/A**	**01/24/19 10:36**	**190124L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Helium	1.000	1.084	108	1.108	111	80-120	2	0-30	
Hydrogen	1.000	1.070	107	1.093	109	80-120	2	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 2 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-21310	**LCS**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 11:54**	**190201L01**
095-01-021-21310	**LCSD**	**Air**	**GC/MS ZZ**	**N/A**	**02/01/19 12:43**	**190201L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
n-Butylbenzene	137.2	133.8	98	134.0	98	50-150	33-167	0	0-30	
sec-Butylbenzene	137.2	130.2	95	129.7	94	50-150	33-167	0	0-30	
tert-Butylbenzene	137.2	134.5	98	132.8	97	50-150	33-167	1	0-30	
Acetone	59.39	59.00	99	58.65	99	67-133	56-144	1	0-30	
Benzene	79.87	79.09	99	78.55	98	70-130	60-140	1	0-30	
Benzyl Chloride	129.4	122.7	95	122.2	94	38-158	18-178	0	0-30	
Bromodichloromethane	167.5	164.6	98	164.5	98	70-130	60-140	0	0-30	
Bromoform	258.4	254.8	99	253.6	98	63-147	49-161	0	0-30	
Bromomethane	97.08	90.23	93	90.24	93	70-139	58-150	0	0-30	
2-Butanone	73.73	71.92	98	70.63	96	66-132	55-143	2	0-30	
Carbon Disulfide	77.85	80.03	103	79.42	102	68-146	55-159	1	0-30	
Carbon Tetrachloride	157.3	157.2	100	155.9	99	70-136	59-147	1	0-30	
Chlorobenzene	115.1	113.8	99	113.3	98	70-130	60-140	0	0-30	
Chloroethane	65.96	63.10	96	63.96	97	65-149	51-163	1	0-30	
Chloroform	122.1	117.6	96	116.8	96	70-130	60-140	1	0-30	
Chloromethane	51.63	50.38	98	49.94	97	69-141	57-153	1	0-30	
Dibromochloromethane	213.0	210.6	99	209.1	98	70-138	59-149	1	0-30	
Dichlorodifluoromethane	123.6	119.0	96	118.5	96	67-139	55-151	0	0-30	
Diisopropyl Ether (DIPE)	104.5	93.74	90	93.32	89	63-130	52-141	0	0-30	
1,1-Dichloroethane	101.2	99.41	98	99.18	98	70-130	60-140	0	0-30	
1,1-Dichloroethene	99.12	92.97	94	91.61	92	70-135	59-146	1	0-30	
1,2-Dibromoethane	192.1	198.4	103	195.9	102	70-133	60-144	1	0-30	
Dichlorotetrafluoroethane	174.8	170.4	98	169.4	97	51-135	37-149	1	0-30	
1,2-Dichlorobenzene	150.3	140.6	94	138.7	92	48-138	33-153	1	0-30	
1,2-Dichloroethane	101.2	99.53	98	98.75	98	70-132	60-142	1	0-30	
1,2-Dichloropropane	115.5	114.8	99	115.1	100	70-130	60-140	0	0-30	
1,3-Dichlorobenzene	150.3	143.8	96	143.1	95	56-134	43-147	1	0-30	
1,4-Dichlorobenzene	150.3	141.9	94	140.7	94	52-136	38-150	1	0-30	
1,4-Dioxane	90.09	87.92	98	88.12	98	52-136	38-150	0	0-30	
c-1,3-Dichloropropene	113.5	116.2	102	115.9	102	70-130	60-140	0	0-30	
c-1,2-Dichloroethene	99.12	97.72	99	97.48	98	70-130	60-140	0	0-30	
t-1,2-Dichloroethene	99.12	100.9	102	100.5	101	70-130	60-140	0	0-30	
t-1,3-Dichloropropene	113.5	121.9	107	122.2	108	70-147	57-160	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	104.5	97.38	93	97.14	93	67-130	56-140	0	0-30	
Ethylbenzene	108.6	110.3	102	109.4	101	70-130	60-140	1	0-30	
4-Ethyltoluene	122.9	119.1	97	118.4	96	68-130	58-140	1	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 3 of 10

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	266.6	211.8	79	210.4	79	44-146	27-163	1	0-30	
2-Hexanone	102.4	101.1	99	99.70	97	70-136	59-147	1	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	88.43	98	88.50	98	68-130	58-140	0	0-30	
Methylene Chloride	86.84	82.83	95	82.48	95	69-130	59-140	0	0-30	
4-Methyl-2-Pentanone	102.4	101.8	99	101.5	99	70-130	60-140	0	0-30	
o-Xylene	108.6	104.9	97	103.4	95	69-130	59-140	1	0-30	
p/m-Xylene	217.1	214.1	99	212.8	98	70-132	60-142	1	0-30	
Styrene	106.5	104.8	98	104.7	98	65-131	54-142	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	104.5	97.72	94	97.24	93	69-130	59-140	0	0-30	
Tert-Butyl Alcohol (TBA)	151.6	140.2	92	139.2	92	66-144	53-157	1	0-30	
Tetrachloroethene	169.6	170.4	100	168.8	100	70-130	60-140	1	0-30	
Toluene	94.21	92.39	98	91.00	97	70-130	60-140	2	0-30	
Trichloroethene	134.3	132.7	99	132.3	98	70-130	60-140	0	0-30	
Trichlorofluoromethane	140.5	130.1	93	129.8	92	63-141	50-154	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	183.5	96	182.5	95	70-136	59-147	1	0-30	
1,1,1-Trichloroethane	136.4	135.1	99	133.6	98	70-130	60-140	1	0-30	
1,1,2-Trichloroethane	136.4	139.4	102	139.1	102	70-130	60-140	0	0-30	
1,3,5-Trimethylbenzene	122.9	120.1	98	118.9	97	62-130	51-141	1	0-30	
1,1,2,2-Tetrachloroethane	171.6	168.3	98	166.8	97	63-130	52-141	1	0-30	
1,2,4-Trimethylbenzene	122.9	121.7	99	119.5	97	60-132	48-144	2	0-30	
1,2,4-Trichlorobenzene	185.5	150.8	81	150.0	81	31-151	11-171	1	0-30	
Vinyl Acetate	88.03	87.41	99	86.56	98	58-130	46-142	1	0-30	
Vinyl Chloride	63.91	63.56	99	62.42	98	70-134	59-145	2	0-30	
1,1-Difluoroethane	67.54	61.15	91	60.38	89	70-131	60-141	1	0-30	
Isopropanol	61.45	53.98	88	53.93	88	57-135	44-148	0	0-30	

Total number of LCS compounds: 61
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-21279	**LCS**	**Air**	**GC/MS OOO**	**N/A**	**01/24/19 14:19**	**190124L01**
095-01-021-21279	**LCSD**	**Air**	**GC/MS OOO**	**N/A**	**01/24/19 15:06**	**190124L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
n-Butylbenzene	137.2	139.0	101	135.8	99	50-150	33-167	2	0-30	
sec-Butylbenzene	137.2	135.6	99	134.0	98	50-150	33-167	1	0-30	
tert-Butylbenzene	137.2	138.9	101	137.5	100	50-150	33-167	1	0-30	
Acetone	59.39	61.04	103	60.13	101	67-133	56-144	2	0-30	
Benzene	79.87	71.39	89	72.24	90	70-130	60-140	1	0-30	
Benzyl Chloride	129.4	145.1	112	140.4	108	38-158	18-178	3	0-30	
Bromodichloromethane	167.5	167.7	100	168.1	100	70-130	60-140	0	0-30	
Bromoform	258.4	291.2	113	288.9	112	63-147	49-161	1	0-30	
Bromomethane	97.08	101.2	104	100.8	104	70-139	58-150	0	0-30	
2-Butanone	73.73	71.41	97	71.54	97	66-132	55-143	0	0-30	
Carbon Disulfide	77.85	71.43	92	70.23	90	68-146	55-159	2	0-30	
Carbon Tetrachloride	157.3	164.6	105	164.0	104	70-136	59-147	0	0-30	
Chlorobenzene	115.1	115.6	100	115.8	101	70-130	60-140	0	0-30	
Chloroethane	65.96	70.44	107	70.67	107	65-149	51-163	0	0-30	
Chloroform	122.1	118.2	97	118.5	97	70-130	60-140	0	0-30	
Chloromethane	51.63	55.29	107	54.72	106	69-141	57-153	1	0-30	
Dibromochloromethane	213.0	228.5	107	226.7	106	70-138	59-149	1	0-30	
Dichlorodifluoromethane	123.6	134.4	109	133.3	108	67-139	55-151	1	0-30	
Diisopropyl Ether (DIPE)	104.5	88.14	84	88.24	84	63-130	52-141	0	0-30	
1,1-Dichloroethane	101.2	92.49	91	92.42	91	70-130	60-140	0	0-30	
1,1-Dichloroethene	99.12	93.02	94	93.43	94	70-135	59-146	0	0-30	
1,2-Dibromoethane	192.1	200.1	104	199.3	104	70-133	60-144	0	0-30	
Dichlorotetrafluoroethane	174.8	197.5	113	194.8	111	51-135	37-149	1	0-30	
1,2-Dichlorobenzene	150.3	163.7	109	162.8	108	48-138	33-153	1	0-30	
1,2-Dichloroethane	101.2	104.3	103	103.7	103	70-132	60-142	1	0-30	
1,2-Dichloropropane	115.5	107.4	93	107.9	93	70-130	60-140	0	0-30	
1,3-Dichlorobenzene	150.3	167.9	112	167.3	111	56-134	43-147	0	0-30	
1,4-Dichlorobenzene	150.3	159.9	106	159.3	106	52-136	38-150	0	0-30	
1,4-Dioxane	90.09	85.68	95	87.16	97	52-136	38-150	2	0-30	
c-1,3-Dichloropropene	113.5	118.8	105	119.8	106	70-130	60-140	1	0-30	
c-1,2-Dichloroethene	99.12	93.24	94	93.99	95	70-130	60-140	1	0-30	
t-1,2-Dichloroethene	99.12	92.81	94	94.11	95	70-130	60-140	1	0-30	
t-1,3-Dichloropropene	113.5	126.6	112	128.0	113	70-147	57-160	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	104.5	90.97	87	91.48	88	67-130	56-140	1	0-30	
Ethylbenzene	108.6	105.8	97	105.9	98	70-130	60-140	0	0-30	
4-Ethyltoluene	122.9	130.7	106	129.5	105	68-130	58-140	1	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 5 of 10

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	266.6	272.0	102	275.5	103	44-146	27-163	1	0-30	
2-Hexanone	102.4	104.2	102	103.9	101	70-136	59-147	0	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	83.57	93	84.87	94	68-130	58-140	2	0-30	
Methylene Chloride	86.84	79.64	92	79.87	92	69-130	59-140	0	0-30	
4-Methyl-2-Pentanone	102.4	101.2	99	101.8	99	70-130	60-140	1	0-30	
o-Xylene	108.6	104.0	96	102.9	95	69-130	59-140	1	0-30	
p/m-Xylene	217.1	213.2	98	211.7	98	70-132	60-142	1	0-30	
Styrene	106.5	106.7	100	106.7	100	65-131	54-142	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	104.5	91.12	87	91.35	87	69-130	59-140	0	0-30	
Tert-Butyl Alcohol (TBA)	151.6	136.7	90	139.6	92	66-144	53-157	2	0-30	
Tetrachloroethene	169.6	176.4	104	176.1	104	70-130	60-140	0	0-30	
Toluene	94.21	83.91	89	84.71	90	70-130	60-140	1	0-30	
Trichloroethene	134.3	135.8	101	135.6	101	70-130	60-140	0	0-30	
Trichlorofluoromethane	140.5	132.2	94	130.1	93	63-141	50-154	2	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	189.0	99	186.0	97	70-136	59-147	2	0-30	
1,1,1-Trichloroethane	136.4	136.6	100	136.5	100	70-130	60-140	0	0-30	
1,1,2-Trichloroethane	136.4	136.7	100	135.9	100	70-130	60-140	1	0-30	
1,3,5-Trimethylbenzene	122.9	125.3	102	124.0	101	62-130	51-141	1	0-30	
1,1,2,2-Tetrachloroethane	171.6	167.4	98	167.0	97	63-130	52-141	0	0-30	
1,2,4-Trimethylbenzene	122.9	129.2	105	127.4	104	60-132	48-144	1	0-30	
1,2,4-Trichlorobenzene	185.5	196.6	106	195.9	106	31-151	11-171	0	0-30	
Vinyl Acetate	88.03	80.94	92	80.92	92	58-130	46-142	0	0-30	
Vinyl Chloride	63.91	69.48	109	69.33	108	70-134	59-145	0	0-30	
1,1-Difluoroethane	67.54	57.80	86	58.52	87	70-131	60-141	1	0-30	
Isopropanol	61.45	48.51	79	55.46	90	57-135	44-148	13	0-30	

Total number of LCS compounds: 61
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-21285	**LCS**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 15:45**	**190125L01**
095-01-021-21285	**LCSD**	**Air**	**GC/MS OOO**	**N/A**	**01/25/19 16:33**	**190125L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
n-Butylbenzene	137.2	133.7	97	134.3	98	50-150	33-167	0	0-30	
sec-Butylbenzene	137.2	131.6	96	131.5	96	50-150	33-167	0	0-30	
tert-Butylbenzene	137.2	134.4	98	133.6	97	50-150	33-167	1	0-30	
Acetone	59.39	76.73	129	76.21	128	67-133	56-144	1	0-30	
Benzene	79.87	74.60	93	73.46	92	70-130	60-140	2	0-30	
Benzyl Chloride	129.4	140.3	108	140.1	108	38-158	18-178	0	0-30	
Bromodichloromethane	167.5	167.5	100	166.1	99	70-130	60-140	1	0-30	
Bromoform	258.4	282.8	109	280.8	109	63-147	49-161	1	0-30	
Bromomethane	97.08	99.89	103	99.02	102	70-139	58-150	1	0-30	
2-Butanone	73.73	71.99	98	71.11	96	66-132	55-143	1	0-30	
Carbon Disulfide	77.85	72.46	93	73.55	94	68-146	55-159	1	0-30	
Carbon Tetrachloride	157.3	158.9	101	157.4	100	70-136	59-147	1	0-30	
Chlorobenzene	115.1	115.1	100	115.4	100	70-130	60-140	0	0-30	
Chloroethane	65.96	70.27	107	70.13	106	65-149	51-163	0	0-30	
Chloroform	122.1	120.2	99	119.8	98	70-130	60-140	0	0-30	
Chloromethane	51.63	52.89	102	52.16	101	69-141	57-153	1	0-30	
Dibromochloromethane	213.0	221.9	104	222.6	105	70-138	59-149	0	0-30	
Dichlorodifluoromethane	123.6	130.3	105	129.7	105	67-139	55-151	0	0-30	
Diisopropyl Ether (DIPE)	104.5	89.36	86	88.55	85	63-130	52-141	1	0-30	
1,1-Dichloroethane	101.2	95.82	95	95.13	94	70-130	60-140	1	0-30	
1,1-Dichloroethene	99.12	93.82	95	94.03	95	70-135	59-146	0	0-30	
1,2-Dibromoethane	192.1	198.3	103	199.3	104	70-133	60-144	0	0-30	
Dichlorotetrafluoroethane	174.8	190.7	109	188.7	108	51-135	37-149	1	0-30	
1,2-Dichlorobenzene	150.3	157.9	105	157.3	105	48-138	33-153	0	0-30	
1,2-Dichloroethane	101.2	102.7	102	102.3	101	70-132	60-142	0	0-30	
1,2-Dichloropropane	115.5	110.7	96	109.8	95	70-130	60-140	1	0-30	
1,3-Dichlorobenzene	150.3	162.6	108	162.6	108	56-134	43-147	0	0-30	
1,4-Dichlorobenzene	150.3	155.4	103	154.7	103	52-136	38-150	0	0-30	
1,4-Dioxane	90.09	88.25	98	87.49	97	52-136	38-150	1	0-30	
c-1,3-Dichloropropene	113.5	121.2	107	120.9	107	70-130	60-140	0	0-30	
c-1,2-Dichloroethene	99.12	96.58	97	96.44	97	70-130	60-140	0	0-30	
t-1,2-Dichloroethene	99.12	96.75	98	96.41	97	70-130	60-140	0	0-30	
t-1,3-Dichloropropene	113.5	127.2	112	126.9	112	70-147	57-160	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	104.5	93.16	89	93.56	90	67-130	56-140	0	0-30	
Ethylbenzene	108.6	107.3	99	106.4	98	70-130	60-140	1	0-30	
4-Ethyltoluene	122.9	128.7	105	127.9	104	68-130	58-140	1	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 7 of 10

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	266.6	262.5	98	259.3	97	44-146	27-163	1	0-30	
2-Hexanone	102.4	106.4	104	106.0	104	70-136	59-147	0	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	86.84	96	86.80	96	68-130	58-140	0	0-30	
Methylene Chloride	86.84	82.92	95	83.13	96	69-130	59-140	0	0-30	
4-Methyl-2-Pentanone	102.4	103.1	101	101.4	99	70-130	60-140	2	0-30	
o-Xylene	108.6	101.6	94	102.5	94	69-130	59-140	1	0-30	
p/m-Xylene	217.1	210.9	97	208.8	96	70-132	60-142	1	0-30	
Styrene	106.5	107.4	101	107.2	101	65-131	54-142	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	104.5	91.55	88	91.98	88	69-130	59-140	0	0-30	
Tert-Butyl Alcohol (TBA)	151.6	137.4	91	135.4	89	66-144	53-157	1	0-30	
Tetrachloroethene	169.6	174.1	103	173.6	102	70-130	60-140	0	0-30	
Toluene	94.21	85.36	91	85.94	91	70-130	60-140	1	0-30	
Trichloroethene	134.3	136.3	101	136.1	101	70-130	60-140	0	0-30	
Trichlorofluoromethane	140.5	144.1	103	144.2	103	63-141	50-154	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	189.6	99	191.2	100	70-136	59-147	1	0-30	
1,1,1-Trichloroethane	136.4	135.4	99	135.1	99	70-130	60-140	0	0-30	
1,1,2-Trichloroethane	136.4	137.5	101	136.6	100	70-130	60-140	1	0-30	
1,3,5-Trimethylbenzene	122.9	122.3	100	120.9	98	62-130	51-141	1	0-30	
1,1,2,2-Tetrachloroethane	171.6	166.9	97	167.4	98	63-130	52-141	0	0-30	
1,2,4-Trimethylbenzene	122.9	125.4	102	125.1	102	60-132	48-144	0	0-30	
1,2,4-Trichlorobenzene	185.5	192.3	104	189.2	102	31-151	11-171	2	0-30	
Vinyl Acetate	88.03	81.83	93	81.69	93	58-130	46-142	0	0-30	
Vinyl Chloride	63.91	68.46	107	67.73	106	70-134	59-145	1	0-30	
1,1-Difluoroethane	67.54	56.92	84	56.59	84	70-131	60-141	1	0-30	
Isopropanol	61.45	57.57	94	57.44	93	57-135	44-148	0	0-30	

Total number of LCS compounds: 61
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 8 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-21290	**LCS**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 16:13**	**190126L01**
095-01-021-21290	**LCSD**	**Air**	**GC/MS OOO**	**N/A**	**01/26/19 17:02**	**190126L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
n-Butylbenzene	137.2	138.3	101	138.8	101	50-150	33-167	0	0-30	
sec-Butylbenzene	137.2	136.0	99	136.7	100	50-150	33-167	0	0-30	
tert-Butylbenzene	137.2	138.8	101	139.6	102	50-150	33-167	1	0-30	
Acetone	59.39	76.46	129	76.14	128	67-133	56-144	0	0-30	
Benzene	79.87	74.88	94	75.37	94	70-130	60-140	1	0-30	
Benzyl Chloride	129.4	144.9	112	146.1	113	38-158	18-178	1	0-30	
Bromodichloromethane	167.5	168.8	101	171.0	102	70-130	60-140	1	0-30	
Bromoform	258.4	290.6	112	292.3	113	63-147	49-161	1	0-30	
Bromomethane	97.08	103.0	106	102.6	106	70-139	58-150	0	0-30	
2-Butanone	73.73	69.98	95	70.22	95	66-132	55-143	0	0-30	
Carbon Disulfide	77.85	73.37	94	73.76	95	68-146	55-159	1	0-30	
Carbon Tetrachloride	157.3	161.2	103	162.1	103	70-136	59-147	1	0-30	
Chlorobenzene	115.1	117.9	102	119.4	104	70-130	60-140	1	0-30	
Chloroethane	65.96	71.00	108	70.91	108	65-149	51-163	0	0-30	
Chloroform	122.1	122.1	100	122.1	100	70-130	60-140	0	0-30	
Chloromethane	51.63	52.93	103	52.46	102	69-141	57-153	1	0-30	
Dibromochloromethane	213.0	227.3	107	228.5	107	70-138	59-149	1	0-30	
Dichlorodifluoromethane	123.6	134.5	109	133.2	108	67-139	55-151	1	0-30	
Diisopropyl Ether (DIPE)	104.5	87.85	84	87.55	84	63-130	52-141	0	0-30	
1,1-Dichloroethane	101.2	96.14	95	96.06	95	70-130	60-140	0	0-30	
1,1-Dichloroethene	99.12	95.35	96	94.77	96	70-135	59-146	1	0-30	
1,2-Dibromoethane	192.1	204.0	106	206.2	107	70-133	60-144	1	0-30	
Dichlorotetrafluoroethane	174.8	195.7	112	194.6	111	51-135	37-149	1	0-30	
1,2-Dichlorobenzene	150.3	165.2	110	165.4	110	48-138	33-153	0	0-30	
1,2-Dichloroethane	101.2	103.0	102	104.4	103	70-132	60-142	1	0-30	
1,2-Dichloropropane	115.5	110.9	96	111.9	97	70-130	60-140	1	0-30	
1,3-Dichlorobenzene	150.3	168.1	112	168.3	112	56-134	43-147	0	0-30	
1,4-Dichlorobenzene	150.3	160.0	106	161.9	108	52-136	38-150	1	0-30	
1,4-Dioxane	90.09	88.59	98	90.73	101	52-136	38-150	2	0-30	
c-1,3-Dichloropropene	113.5	122.2	108	124.1	109	70-130	60-140	2	0-30	
c-1,2-Dichloroethene	99.12	98.82	100	98.49	99	70-130	60-140	0	0-30	
t-1,2-Dichloroethene	99.12	98.15	99	98.28	99	70-130	60-140	0	0-30	
t-1,3-Dichloropropene	113.5	128.3	113	130.5	115	70-147	57-160	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	104.5	94.15	90	93.78	90	67-130	56-140	0	0-30	
Ethylbenzene	108.6	109.3	101	109.8	101	70-130	60-140	0	0-30	
4-Ethyltoluene	122.9	132.0	107	133.0	108	68-130	58-140	1	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15
Project: Univar / Brisbane			Page 9 of 10

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	266.6	270.0	101	276.3	104	44-146	27-163	2	0-30	
2-Hexanone	102.4	105.6	103	108.0	105	70-136	59-147	2	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	87.74	97	88.35	98	68-130	58-140	1	0-30	
Methylene Chloride	86.84	84.52	97	84.18	97	69-130	59-140	0	0-30	
4-Methyl-2-Pentanone	102.4	102.2	100	103.4	101	70-130	60-140	1	0-30	
o-Xylene	108.6	105.7	97	106.6	98	69-130	59-140	1	0-30	
p/m-Xylene	217.1	216.5	100	218.0	100	70-132	60-142	1	0-30	
Styrene	106.5	109.9	103	110.9	104	65-131	54-142	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	104.5	93.85	90	95.64	92	69-130	59-140	2	0-30	
Tert-Butyl Alcohol (TBA)	151.6	140.5	93	139.3	92	66-144	53-157	1	0-30	
Tetrachloroethene	169.6	179.3	106	181.2	107	70-130	60-140	1	0-30	
Toluene	94.21	88.10	94	88.00	93	70-130	60-140	0	0-30	
Trichloroethene	134.3	138.1	103	140.0	104	70-130	60-140	1	0-30	
Trichlorofluoromethane	140.5	147.5	105	147.1	105	63-141	50-154	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	193.1	101	193.9	101	70-136	59-147	0	0-30	
1,1,1-Trichloroethane	136.4	138.7	102	139.0	102	70-130	60-140	0	0-30	
1,1,2-Trichloroethane	136.4	139.2	102	140.8	103	70-130	60-140	1	0-30	
1,3,5-Trimethylbenzene	122.9	125.6	102	126.8	103	62-130	51-141	1	0-30	
1,1,2,2-Tetrachloroethane	171.6	171.9	100	173.2	101	63-130	52-141	1	0-30	
1,2,4-Trimethylbenzene	122.9	129.4	105	130.4	106	60-132	48-144	1	0-30	
1,2,4-Trichlorobenzene	185.5	198.4	107	201.2	108	31-151	11-171	1	0-30	
Vinyl Acetate	88.03	80.61	92	80.65	92	58-130	46-142	0	0-30	
Vinyl Chloride	63.91	69.19	108	68.73	108	70-134	59-145	1	0-30	
1,1-Difluoroethane	67.54	57.63	85	56.49	84	70-131	60-141	2	0-30	
Isopropanol	61.45	58.02	94	57.62	94	57-135	44-148	1	0-30	

Total number of LCS compounds: 61
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

EHS Support, LLC		Date Received:	01/24/19
115 Crissey Avenue		Work Order:	19-01-1527
Geneva, IL 60134-2808		Preparation:	N/A
		Method:	EPA TO-15 SIM
Project: Univar / Brisbane			Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-214-486	**LCS**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 19:48**	**190201L01**
099-15-214-486	**LCSD**	**Air**	**GC/MS DD**	**N/A**	**02/01/19 20:37**	**190201L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,2-Dibromoethane	3.842	3.318	86	3.321	86	50-150	33-167	0	0-30	
1,2-Dichloropropane	2.311	2.155	93	2.148	93	50-150	33-167	0	0-30	
c-1,3-Dichloropropene	2.269	2.035	90	2.027	89	50-150	33-167	0	0-30	
t-1,3-Dichloropropene	2.269	2.174	96	2.168	96	50-150	33-167	0	0-30	
1,1,2,2-Tetrachloroethane	3.433	2.928	85	2.949	86	50-150	33-167	1	0-30	
1,1,2-Trichloroethane	2.728	2.562	94	2.574	94	27-171	3-195	0	0-38	
1,2-Dichloroethane	2.024	1.987	98	1.938	96	28-166	5-189	2	0-40	
1,4-Dichlorobenzene	3.006	2.742	91	2.818	94	50-150	33-167	3	0-30	
1,4-Dioxane	1.802	1.410	78	1.436	80	60-140	47-153	2	0-30	
Benzene	1.597	1.501	94	1.498	94	27-153	6-174	0	0-34	
Bromodichloromethane	3.350	3.118	93	3.124	93	50-150	33-167	0	0-30	
Carbon Tetrachloride	3.146	3.120	99	3.142	100	7-187	0-217	1	0-31	
Chloroform	2.441	2.260	93	2.266	93	50-150	33-167	0	0-30	
Chloromethane	1.033	0.9326	90	0.8303	80	50-150	33-167	12	0-30	
Hexachloro-1,3-Butadiene	5.333	5.164	97	5.298	99	50-150	33-167	3	0-30	
Naphthalene	2.621	2.306	88	2.519	96	50-150	33-167	9	0-30	
Tetrachloroethene	3.391	3.051	90	3.066	90	34-154	14-174	0	0-33	
Vinyl Chloride	1.278	1.415	111	1.144	90	44-140	28-156	21	0-33	

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

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RPD: Relative Percent Difference. CL: Control Limits

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Summa Canister Vacuum Summary

Work Order: 19-01-1527

Sample Name	Vacuum Out	Vacuum In	Equipment	Description
SSV-01A	-29.50 in Hg	-3.50 in Hg	LC961	Summa Canister 1L
SSV-02A	-29.50 in Hg	-3.00 in Hg	LC1009	Summa Canister 1L
SSV-08A	-29.50 in Hg	-5.00 in Hg	LC746	Summa Canister 1L
SVP-01A	-29.50 in Hg	-4.20 in Hg	LC1051	Summa Canister 1L
SVP-02A	-29.50 in Hg	-3.00 in Hg	SLC043	Summa Canister 1L
SVP-03A	-29.50 in Hg	-4.50 in Hg	LC061	Summa Canister 1L
DUP-01A	-29.50 in Hg	-3.50 in Hg	LC1176	Summa Canister 1L
IA-01A	-29.50 in Hg	-6.40 in Hg	D519	Summa Canister 6L
DUP-01	-29.50 in Hg	-3.60 in Hg	D649	Summa Canister 6L
OA-01A	-29.50 in Hg	-5.40 in Hg	D510	Summa Canister 6L

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Sample Analysis Summary Report

Work Order: 19-01-1527

Method	Extraction	Chemist ID	Instrument	Analytical Location
ASTM D-1946 (M)	N/A	1158	GC 55	2
EPA TO-15	N/A	1087	GC/MS OOO	2
EPA TO-15	N/A	1145	GC/MS ZZ	2
EPA TO-15 SIM	N/A	460	GC/MS DD	2

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Glossary of Terms and Qualifiers

Work Order: 19-01-1527 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.
CI	See case narrative.
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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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

AIR CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 19-01-1527

DATE: 1/23/19
PAGE: 1 OF 1

LABORATORY CLIENT: EHS Support
ADDRESS: 115 Crissey Ave
CITY: Geneva STATE: IL ZIP: 60134
TEL: 224-422-6261 E-MAIL: greg.white@ehs-support.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD
EDD: ☐ COELT EDF ☐ OTHER UNITS:

CLIENT PROJECT NAME / NO.: Univar Brisbane
P.O. NO.:
PROJECT CONTACT: Greg White
LAB CONTACT OR QUOTE NO.: Lori Thompson
PROJECT ADDRESS: 3745 Bayshore Blvd
SAMPLER(S): (PRINT) Tim Davis, Brian Keeler
CITY: Brisbane STATE: CA ZIP: 94005

SPECIAL INSTRUCTIONS: EDD format as specified by EHS Support

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX: Indoor (I) Soil Vap. (SV) Ambient (A)	SAMPLING EQUIPMENT: Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	TO-15 (VOCs + 1,4-Dioxane)	ASTM D1946 (fixed)	TO-15 SIM		
1	SSV-01A		SV	LC961	1L	SGM156	1/23/19	1048	30	1/23/19	1058	5	X	X			
2	SSV-02A		SV	LC1009	1L	SGM431	1/23/19	1209	30	1/23/19	1214	5	X	X			
3	SSV-03A		SV	LC746	1L	SGM228	1/23/19	1240	30	1/23/19	1245	5	X	X			
4	SVP-01A		SV	LC1051	1L	SGM500	1/23/19	1018	30	1/23/19	1023	5	X	X			
5	SVP-02A		SV	SLC043	1L	SGM255	1/23/19	1138	30	1/23/19	1143	5	X	X			
6	SVP-03A		SV	LC061	1L	SGM484	1/23/19	926	30	1/23/19	0931	5	X	X			
7	Dup-01A		SV	LC1176	1L	SGM136	1/23/19	1048	30	1/23/19	1058	5	X	X			
8	IA-01A		IA	D519	6L	FC462	1/22/19	800	30	1/22/19	1540	7	X		X		
9	Dup-01		IA	D649	6L	FC654	1/22/19	800	30	1/22/19	1540	8	X		X		
10	OA-01A		A	D510	6L	FC18	1/22/19	815	30	1/22/19	1600	7	X		X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]		1/23/19	1700
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature) (Fedex)	Received by: (Signature/Affiliation) [signature]	Date: 1/24/19	Time: 1015

2014-07-01 Revision

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ORIGIN ID:SQLA (916) 597-3584
TIM DAVIS
EHS-SUPPORT
2842 33RD STREET

SACRAMENTO, CA 95817
UNITED STATES US

SHIP DATE: 23JAN19
ACTWGT: 16.50 LB
CAD: 006995015/SSFE
DIMS: 15x12x11 IN

BILL THIRD PARTY

TO EUROFIN CALSCIENCE INC
SAMPLE CONTROL
7440 LINCOLN WAY
REF # C01959-2019
GARDEN GROVE CA 92841
(714) 895-5494
INV:
PO:
REF:
DEPT:

FedEx Express

2 of 5
MPS# 0263 7851 0824 4522
Mstr# 7851 0824 4511
0201
THU - 24 JAN
PRIORITY O
92 APVA

1527

597-3584

SHIP DATE: 23JAN19
ACTWGT: 31.60 LB
CAD: 006995015/SSFE1922
DIMS: 18x18x15 IN

BILL THIRD PARTY

ENCE INC

REF:
DEPT:

FedEx Express

3 of 5
MPS# 0263 7851 0824 4533
Mstr# 7851 0824 4511
0201
THU - 24 JAN 10:30A
PRIORITY OVERNIGHT
92 APVA
92841
CA-US SNA

SQLA (916) 597-3584
RT
D STREET
ENTO, CA 95817
ED STATES US

SHIP DATE
ACTWGT:
CAD: 0069
DIMS: 11x

BILL THIR

EUROFIN CALSCIENCE INC
SAMPLE CONTROL
7440 LINCOLN WAY
REF # C01959-2019
GARDEN GROVE CA 92841
(714) 895-5494
INV:
PO:
REF:
DEPT:

1 of 5
TRK# 0201 7851 0824 4511
MASTER
THU -
PRIORIT
92 APVA
92841
CA-US SNA

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WORK ORDER NUMBER: 19-01-1327

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: EHS Support

DATE: 01/24/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): _____°C (w/ CF): _____°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

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☑ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler	☐ Present and Intact	☐ Present but Not Intact	☐ Not Present	☑ N/A	Checked by: 836
Sample(s)	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na₂** ☐ 100PJ ☐ 100PJ**na₂** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na₂** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

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

Air: ☐ Tedlar™ ☑ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na₂** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 836

Reviewed by: 7W

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Attachment F Data Usability Review

MEMO

To: Greg White/EHS Support

From: Amy Coats/EHS Support

Date: March 4, 2019

Re: Univar Brisbane Parcel A: Analytical Data Usability Review

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Lab Sample Number	Sample Matrix	Sample Date	Sample Name	Analytical Methods
19-01-1524-1	Water	1/23/2019	MW-01	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-2	Water	1/23/2019	MW-02	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-3	Water	1/23/2019	MW-03	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-4	Water	1/23/2019	MW-04	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-5	Water	1/23/2019	MW-05	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-6	Water	1/23/2019	MW-06	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-7	Water	1/23/2019	MW-07	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-8	Water	1/23/2019	DUP-01	EPA 8260B and 8260B SIM, EPA 8015B EPA 8015C, EPA 6010B, RSK-175M, EPA 200.7, EPA 300.0, SM 5310 B
19-01-1524-9	Water	1/23/2019	Trip Blank	EPA 8260B

Below is the data usability summary (DUS) for analytical data associated with laboratory sample delivery group (SDG) 19-01-1524. The SDG includes 9 water samples collected from the Brisbane site on January 23, 2019. The samples were submitted to Eurofins Calscience Laboratory and received on January 24, 2019 for the analyses listed in the table above.

Data Usability Review results

The data was evaluated using the laboratory report, case narrative, and chain of custody. The DUS focuses on the following QA/QC parameters and their overall effect on the data:

- Sample custody
- Holding times
- Surrogate recoveries
- Method blanks
- Laboratory control samples
- Matrix spiked samples
- Field QA/QC
  - Trip blank
  - Duplicate
- Reportable results

Sample Custody

Samples were received at appropriate temperatures and properly preserved. Several bottles were broken, but there is no indication that the loss of those bottles impacted analyses or results. The chain of custody was properly completed. Relinquishing and receiving signatures are associated with different dates; samples were shipped via commercial carrier.

Holding Times

All holding time requirements were met.

Surrogate Recoveries

For analyses that include the use of surrogates, the laboratory spiked field samples and quality control samples with surrogate compounds to demonstrate the instrument's ability to recover compounds that are similar to the target compounds. All surrogate recoveries were within control limits.

Method Blanks

Method blanks indicate contamination introduced during sample preparation and/or analysis from sources including reagents, equipment, sample handling and ambient laboratory conditions. No results were qualified as a consequence of blank contamination. Total organic carbon was detected in the method blank, but detections of the same analyte in associated samples were significantly greater than the blank result; no qualification is needed. No detections were reported for other method blanks.

Laboratory Control Spikes/ Laboratory Control Spike Duplicates (LCS/LCSD)

For each analytical method, a laboratory control sample and/or laboratory control sample/laboratory control sample duplicate pair was analyzed. Results were acceptable.

Matrix Spike/ Matrix Spike Duplicates (MS/MSD)

Matrix spike analyses were performed on samples in this data set for GRO, metals, and 1,4-dioxane. MS results cannot be evaluated if the analyte concentration in the unspiked parent sample is at least 4x that in the spike. MS recoveries and/or RPD (relative percent difference) values outside acceptance limits are presented in the table below. Other MS results associated with this data set were either acceptable or not eligible for evaluation.

Sample ID	Compound	Recovery		MS/MSD RPD
		MS	MSD	
19-01-1524-1	1,4-Dioxane	> UL	Acceptable	Acceptable
19-01-1524-4	1,4-Dioxane	< LL but > 10%	< 10%	Acceptable

LL Lower acceptance limit
UL Upper acceptance limit

As a consequence of these excursions, the listed results have been qualified as per the following table.

Quality Control Nonconformance	Sample result	Sample Result Qualification
Recovery > Upper control limit (UL)	Non-detect	No Action
	Detect	J
Recovery < Lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
Recovery < 10%	Non-detect	R
	Detect	J
MS/MSD RPD > UL	Non-detect	UJ
	Detect	J

Trip Blanks

Trip blanks identify contamination introduced at any point during the “trip” beginning with empty canisters, including field activity, shipment, and analysis. One trip blank was submitted in this sample delivery group. No detections were reported for the trip blank.

Field Duplicates

One field duplicate – parent sample pair was included in this sample delivery group. Relative percent differences between parent and duplicate sample results were acceptable with the following exceptions:

Samples	Compound	Parent sample result	Duplicate sample result	RPD
MW-03 / DUP-01	1,2-Dichloroethane	11000	6700	48.6
	Toluene	6000	4500	28.6
	Trichloroethylene (TCE)	33000	25000	27.6
	Diesel Range Organics	2200	3500	45.6

Results for the listed compound in the parent and duplicate samples have been qualified as estimated (J/UJ) in accordance with the table below.

Quality control nonconformance	Sample Result	Qualification
Sample and its field duplicate ≥ 5x the RL and -RPD > 25% (aqueous or air) - or - -RPD > 35% (soil/ sediment)	Detect	J
Sample and/or its field duplicate < 5x the RL and -absolute difference > 1x the RL (aqueous or air) - or- -absolute difference > 2x the RL (soil/ sediment)	Non-detect	UJ
	Detect	J

Reportable Results

The laboratory reported results to the lowest possible concentration that can be determined with 99% confidence that the analyte concentration is greater than zero, known as the method detection limit (MDL). Results that were detected at concentrations greater than the MDL, but less the reporting limit (RL), were qualified as estimated (J) by the laboratory.

Additional Notes

1) For several samples, total and filtered aliquots were analyzed for metals. When the concentration in the dissolved fraction is significantly greater than that in the total fraction, results are qualified as estimated. All such instances are listed in the table below.

Sample Lab ID	Metal
19-01-1524-6	Iron
19-01-1524-8	Iron

Sample Lab ID	Metal
19-01-1524-6	Manganese

2) The laboratory flagged several results with the qualifier "HD" whose definition is "The chromatographic pattern was inconsistent with the profile of the reference fuel standard." Those results have been qualified as estimated (J).

Summary

In this SDG, no quality control excursions encountered led to rejection of data. All results reported in this SDG are considered usable.

MEMO

To: Greg White/EHS Support

From: Amy Coats/EHS Support

Date: March 4, 2019

Re: Univar Brisbane Parcel A: Analytical Data Usability Review

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Lab Sample Number	Sample Matrix	Sample Date	Sample Name	Analytical Methods
19-01-1527-1	Air	1/23/2019	SSV-01A	D1946, TO-15
19-01-1527-2	Air	1/23/2019	SSV-02A	D1946, TO-15
19-01-1527-3	Air	1/23/2019	SSV-08A	D1946, TO-15
19-01-1527-4	Air	1/23/2019	SVP-01A	D1946, TO-15
19-01-1527-5	Air	1/23/2019	SVP-02A	D1946, TO-15
19-01-1527-6	Air	1/23/2019	SVP-03A	D1946, TO-15
19-01-1527-7	Air	1/23/2019	DUP-01A	D1946, TO-15
19-01-1527-8	Air	1/22/2019	IA-01A	TO-15, TO-15 SIM
19-01-1527-9	Air	1/22/2019	DUP-01	TO-15, TO-15 SIM
19-01-1527-10	Air	1/22/2019	OA-01A	TO-15, TO-15 SIM

Below is the data usability summary for analytical data associated with laboratory sample delivery group (SDG) 19-01-1527. The SDG includes 10 air samples collected from the Brisbane site on January 22 and 23, 2019. The samples were submitted to Eurofins Calscience Laboratory and received on January 24, 2019 for the following analyses:

- D1946
- TO-15
- TO-15 SIM

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Data Usability Review overview

The data was evaluated using the laboratory report, case narrative, and chain of custody. The data usability summary focuses on the following QA/QC parameters and their overall effect on the data:

- Sample Custody
- Holding times
- Surrogate recoveries
- Method Blanks
- Laboratory control samples
- Field QA/QC
  - Trip blanks
  - Duplicates

Sample Custody

Samples were received in good condition. The chain of custody was properly completed. Relinquishing and receiving signatures are associated with different dates; samples were shipped via commercial carrier.

Holding Times

All holding time requirements were met.

Surrogate Recoveries

For applicable methods, the laboratory spiked field samples and quality control samples with surrogate compounds to demonstrate the instrument's ability to recover compounds similar to the target compounds. All surrogate recoveries were within control limits.

Method Blanks

Method blanks indicate contamination introduced during sample preparation and/or analysis from sources including reagents, equipment, sample handling and ambient laboratory conditions. No detections were reported for method blanks in this data set.

Laboratory Control Sample/ Laboratory Control Sample Duplicates (LCS/LCSD)

LCS/LCSD analysis was performed for the three analyses included in this data set. Results were acceptable.

Trip Blanks

Trip blanks identify contamination introduced at any point during the "trip" beginning with empty canisters, including field activity, shipment, and analysis. No trip blanks were included in this sample delivery group.

Field Duplicates

Two field duplicate – parent sample pairs were included in this sample delivery group. Field duplicate analyses associated with RPD values outside control limits are listed in the table below.

Samples	Compound	Parent sample result	Duplicate sample result	RPD
IA-01A / DUP-01	Benzene (TO-15 SIM)	0.52	0.27	NC
	1,1-Difluoroethane (TO-15)	15	22	NC
SSV-01A / DUP-01A	Toluene (TO-15)	2.2	9.8	NC
	1,4-Dioxane (TO-15)	91	140	NC
	Tetrachloroethylene (TO-15)	360	240	40
	Acetone (TO-15)	23	11	NC
	Chloroform (TO-15)	17	13	26.7
	Benzene (TO-15)	0.58 J	4.9	NC
	1,1,1-Trichloroethane (TO-15)	12	8.5	NC
	1,1-Dichloroethane (TO-15)	37	26	34.9

NC Not compliant (this refers to cases in which the sample and/or duplicate concentration is less than 5X the RL and the difference between the two is outside control limits)

As a consequence of these quality control excursions, parent and duplicate sample results for the listed compounds have been qualified as estimated (J), in accordance with the following table.

Quality control nonconformance	Sample Result	Qualification
Sample and its field duplicate ≥ 5x the RL and -RPD > 25% (aqueous or air) - or - -RPD > 35% (soil/ sediment)	Detect	J
Sample and/or its field duplicate < 5x the RL and -absolute difference > 1x the RL (aqueous) - or- -absolute difference > 2x the RL (soil/ sediment)	Non-detect	UJ
	Detect	J

Reportable Results

The laboratory reported results to the lowest possible concentration that can be determined with 99% confidence that the analyte concentration is greater than zero, known as the method detection limit (MDL). Results that were detected at concentrations greater than the MDL, but less than the reporting limit (RL), were qualified as estimated (J) by the laboratory.

Additional Notes

NA: No additional notes to report.

Summary

In this SDG, no quality control excursions encountered led to rejection of data. All results reported in this SDG are considered usable.