CONESTOGA-ROVERS
& ASSOCIATES

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February 23, 2015

Reference No. 054046

Mr. Bradley Roberts
U.S. Environmental Protection Agency, Region 7
Air and Waste Management Division
Waste Remediation and Permitting Branch
11201 Renner Boulevard
Lenexa, Kansas 66219

VIA FEDEX

Dear Brad:

Re: Semi-Annual Groundwater Monitoring Report Fall 2014
Occidental Chemical Corporation,
6200 S. Ridge Road
RCRA ID# KSD007482029
Wichita, Sedgewick County, Kansas

On behalf of Glenn Springs Holdings, Inc. and the Occidental Chemical Corporation, Wichita, Kansas Facility, please find enclosed three hard copies and one copy on compact disk of the report entitled "Semi-Annual Groundwater Monitoring Report Fall 2014". This report documents and discusses the most recently completed semi-annual groundwater monitoring event.

If you have any questions regarding the attached report, please do not hesitate to contact me at (773) 380-9234.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Bruce Clegg

BCC/ko/20
Encl.

cc: Mostafa Kamal - KDHE
Juan Somoano – Glenn Springs Holdings, Inc.
Lisa Thurman – OCC, Wichita, Kansas

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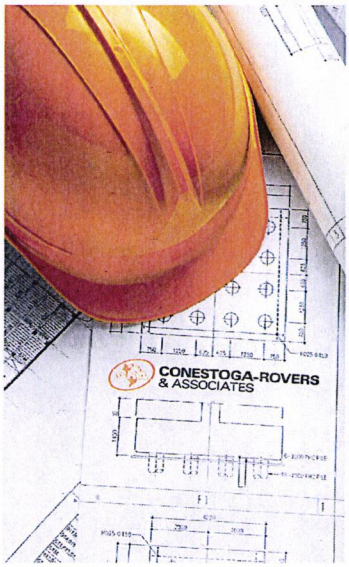

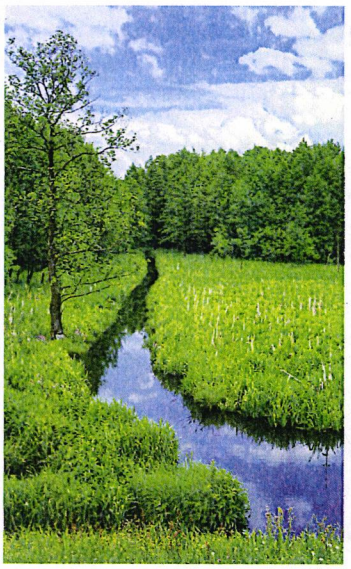

Semi-Annual Groundwater Monitoring Report Fall 2014

Occidental Chemical Corporation
Wichita, Kansas

Prepared for: Glenn Springs Holdings, Inc.

Conestoga-Rovers & Associates
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631

February 2015 • 054046 • Report No. 51

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Section 1.0 Introduction

This report presents information and data resulting from the second groundwater monitoring event of 2014 performed at the Occidental Chemical Corporation Wichita property located at 6200 S. Ridge Road, Wichita, Sedgwick County, Kansas (Site). This groundwater monitoring event was conducted to fulfill the Part II Hazardous and Solid Waste Amendments (HSWA) Section of the Facility's Resource Conservation and Recovery Act (RCRA) Permit obligations (permit number KSD007482029). Groundwater monitoring has been conducted on a semi-annual basis since 1986 in order to evaluate the groundwater flow and quality conditions around the Site and to assess the effects of historical releases on the local groundwater regime.

Groundwater monitoring reports are submitted to the United States Environmental Protection Agency (U.S. EPA) and the Kansas Department of Health & Environment (KDHE) on a semi-annual basis. The Fall 2014 semi-annual groundwater monitoring event was performed in accordance with the procedures outlined in the U.S. EPA-approved Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP). The Fall 2014 groundwater monitoring event was a semi-annual monitoring event[1] in accordance with the schedule provided in the SAP and presented in Table 1.

The interceptor wells/extraction wells operate to maintain cones of depression within the aquifers to prevent migration of contaminants. Measuring analyte concentrations and water levels on a regular periodic basis monitors the effectiveness of the system.

Section 2.0 Field Program

Field activities were conducted from November 3 through November 25, 2014. Field activities consisted of the following:

- Collect water level measurements at 164 monitoring wells and piezometers. Test select on-Site monitoring wells for the presence of non-aqueous phase liquids (NAPLs).
- Collect groundwater samples from 76 on- and off-Site wells (including monitoring wells, interceptor wells, and neighboring commercial property water wells and production wells).
- Submit collected groundwater samples for laboratory analysis of the contaminants of concern (COCs).

The COC list consists of the following parameters:

[1] A "semi-annual event" as set out by "Sampling and Analysis Plan Routine Groundwater Sampling Plan RCRA Corrective Action Program" March 9, 2012.

Volatile Organic Compounds

1,1,1-Trichloroethane
1,2-Dichloroethane
Benzene
Carbon tetrachloride
Chloroform
Chloromethane (methyl chloride)
Methylene chloride
Tetrachloroethene
Trichloroethene
Vinyl chloride
1,2-Dichloropropane (1,2-DCP)[2]

General Chemistry

Chloride
Hardness Calculation

Semivolatile Organic Compounds/Pesticides/Herbicides

2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,5-Dichlorophenol
2,6-Dichlorophenol
2-Chlorophenol
2,4-Dichlorophenoxyacetic acid (2,4-D)[2]
3/4-Chlorophenol
alpha-BHC
beta-BHC
delta-BHC[2]
gamma-BHC (lindane)
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Pentachlorophenol

A Site location map is presented on Figure 1. A Site plan illustrating the monitoring wells, interceptor wells, and piezometer locations is shown on Figure 2. Figure 3 illustrates the monitoring wells and interceptor wells included in the Fall 2014 semi-annual monitoring program. In addition, monitoring wells MW138S2/S3 and MW138S1, and six newly installed monitoring wells (MW146S1, MW147S1, MW147S2/S3, MW148S1, MW148S2/S3, and MW149S2/S3) were sampled during this event.

Section 3.0 Groundwater Monitoring Event

Activities completed during the Fall 2014 groundwater monitoring event included water level elevation/NAPL monitoring, groundwater sampling, neighboring production well and water well sampling, well inspection activities, and surveying of the monitoring wells installed in September 2014 (MW146S1, MW147S1, MW147S2/S3, MW148S1, MW148S2/S3, and MW149S2/S3). Monitoring well MW15S1 was also surveyed as repairs were made to this well due to a bent casing. Copies of the equipment calibration forms are provided in CD format as Appendix A. Table 2 provides a summary of

[2] Parameters added to the COC list in 2009.

interceptor well, monitoring well, and piezometer construction details for the entire monitoring network.

3.1 Water Level Monitoring

A complete round of water level measurements was collected from November 3 through November 4, 2014. The round of water level measurements was collected in as short a time period as possible to obtain a representative data set of contemporaneous groundwater elevations in order to accurately evaluate groundwater flow conditions beneath the Site and surrounding area. In general, the water levels were collected initially from "clean wells"[3] and advanced toward the wells with higher parameter concentrations. Water level data collected in November 2014 (in conjunction with reference point elevation data) were used to calculate the groundwater elevations. Water level data collected in November 2014 were recorded electronically. A summary of the November 2014 groundwater elevations is provided in Table 3.

The presence of NAPL was initially assessed utilizing an oil/water interface probe. In addition, monitoring wells MW18 nest, MW19 nest, and MW27 nest were further assessed with indicator paste and disposable bailers. Measurements were recorded electronically. The procedures for determining the presence and recording the thicknesses of NAPL are detailed in the SAP.

Historically, dense non-aqueous phase liquid (DNAPL) was detected or suspected in several on-Site monitoring wells. DNAPL measurements and related observations are detailed in Section 4.2.

3.2 Groundwater Sampling

Low flow/minimal drawdown sampling techniques were utilized for the collection of groundwater samples with the exception of MW22S4 that was bailed. The procedures used for groundwater sampling are detailed in the SAP. Most of the monitoring wells were purged and sampled using dedicated bladder pumps. Monitoring wells screened within a perched water zone beneath the Site (formerly referred to as the S4 stratigraphic unit) and monitoring wells not configured with bladder pumps were purged using a dedicated or disposable bailer or a submersible stainless steel pump. During the purging process, field parameters consisting of pH, dissolved oxygen, turbidity, conductivity, temperature, and oxidation-reduction potential (ORP) were measured to determine stabilization. When a bailer was used to purge a monitoring well, pH, conductivity, and temperature were recorded. Field parameter data collected during the Fall 2014 event were recorded electronically. Table 4 provides a summary of monitoring well purging parameters. Groundwater samples were collected from 66 monitoring wells, seven interceptor wells, and three neighboring commercial property wells. Table 5 provides a sample key.

[3] i.e., monitoring wells representative of the lowest general historical contaminant concentrations.

Groundwater samples could not be collected from three monitoring wells for the reasons noted below.

MW08S4	Well was dry
MW09S4	Well was dry
MW21S4R	Well was dry

Section 4.0 Summary of Findings

The following sections present the data obtained during the Fall groundwater monitoring event of 2014.

4.1 Groundwater Flow

Utilizing the November 2014 water level data, groundwater elevation contour maps for the S1 and S2/S3 sand layers have been produced. These contours are presented on Figures 4 and 5, respectively. Based on a review of the previous and the most recent semi-annual groundwater elevation contour and sampling data, the existing interim corrective measure (ICM) appears to maintain substantially effective groundwater capture.

Two interceptor wells, IW29 and IW36, extract groundwater from the deep aquifer (S1). As shown on Figure 4, the groundwater contours generated from water level data collected from nearby monitoring wells illustrate a radial flow inward towards these two interceptor wells.

The shallower aquifer (S2/S3) extraction system is comprised of twelve interceptor wells: IW30, IW31, IW32, IW35A, IW35B, IW40, IW41, IW42, IW43 (600), IW44 (650), IW45, and IW46. As shown on Figure 5, the groundwater contours generated from water level data collected from nearby monitoring wells generally illustrate an inward radial flow towards these interceptor wells.

4.2 Detections/Measurements of Dense Non-Aqueous Phase Liquid (DNAPL)

DNAPL measurements and observations were recorded prior to purging the wells and collecting groundwater samples. Monitoring wells which historically had contained DNAPL (well nests MW18, MW19, and MW27) were initially evaluated using an oil/water interface meter and then checked for the presence of DNAPL using indicator paste, which has been found to be sensitive to DNAPL at this site. To that end, the presence of DNAPL has been confirmed in monitoring well MW27S1 (1.35 feet), and MW27S2 (3.20 feet). A DNAPL level was not measured at monitoring well MW18S4 because it was dry. DNAPL was not detected at MW18S1, MW18S3, or the MW19 well nest.

4.3 Groundwater Sampling

All of the COCs, with the exception of 1,1,1-trichloroethane, 1,2-dichloropropane, chloromethane (methyl chloride), 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,4,5-trichlorophenol, and 2,5-dichlorophenol, were detected during this monitoring event. The resultant data are summarized in Table 6, with the specific detections that exceeded the Maximum Contaminant Level (MCL)[4] or Regional Screening Level (RSL) highlighted.

Isoconcentration contour maps have been developed for several compounds, including beta-BHC, carbon tetrachloride, hexachlorobutadiene, hexachloroethane, and perchloroethylene. Detections of remaining site COCs are co-located with these compounds and generally well within the areal distribution shown on the maps.

- Beta-BHC isoconcentration maps for the S1 and S2/S3 sand layers have been produced; these contours are presented on Figures 6 and 7, respectively
- Carbon tetrachloride isoconcentration maps for the S1 and S2/S3 sand layers have been produced; these contours are presented on Figures 8 and 9, respectively
- Hexachlorobutadiene isoconcentration maps for the S1 and S2/S3 sand layers have been produced; these contours are presented on Figures 10 and 11, respectively
- Hexachloroethane isoconcentration maps for the S1 and S2/S3 sand layers have been produced; these contours are presented on Figures 12 and 13, respectively
- Perchloroethylene isoconcentration maps for the S1 and S2/S3 sand layers have been produced; these contours are presented on Figures 14 and 15, respectively

Copies of the original laboratory analytical reports are provided in CD format as Appendix B. Continental Analytical Services (CAS) performed the analyses of the groundwater samples. CAS is accredited by the National Environmental Laboratory Accreditation Program (NELAP) for the analyses identified in this report as confirmed by the project Quality Assurance (QA) officer.

4.3.1 Analytical Data Assessment/Validation

Data validation was conducted in accordance with methods and techniques detailed within the U.S. EPA-approved QAPP. The data assessment included a review of all technical holding times and all batch and matrix quality control (QC) information including rinse blanks, trip blanks, field duplicates, matrix spike/matrix spike duplicates (MS/MSD), matrix duplicates, surrogate recoveries, method blanks, and laboratory control sample (LCS) results. The assessment of analytical data included checks on data

[4] In the case of chloroform and chloride, reported concentrations were compared to the Maximum Contaminant Level Goal (MCLG) and secondary MCL, respectively.

consistency by looking for the comparability of field duplicate analyses and adherence to laboratory accuracy and precision control criteria.

The data validation report, provided in CD format as Appendix C, summarizes the samples reviewed, parameters reviewed, any non-conformances with the established criteria, and validation actions (including the use of data qualifiers).

Section 5.0 Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.

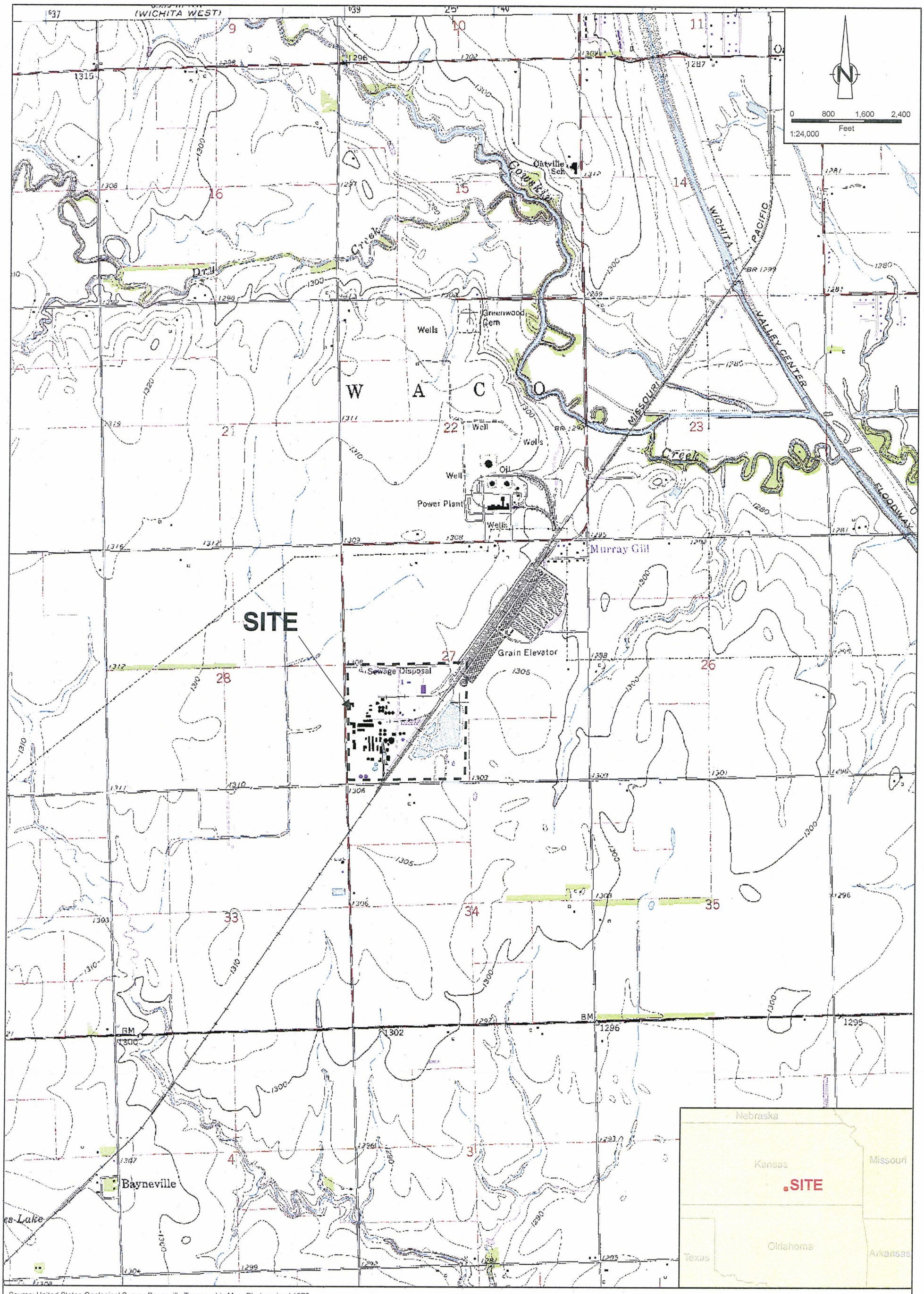
MIKE ANDERSON

Printed Name

Signature

2/20/15

Date

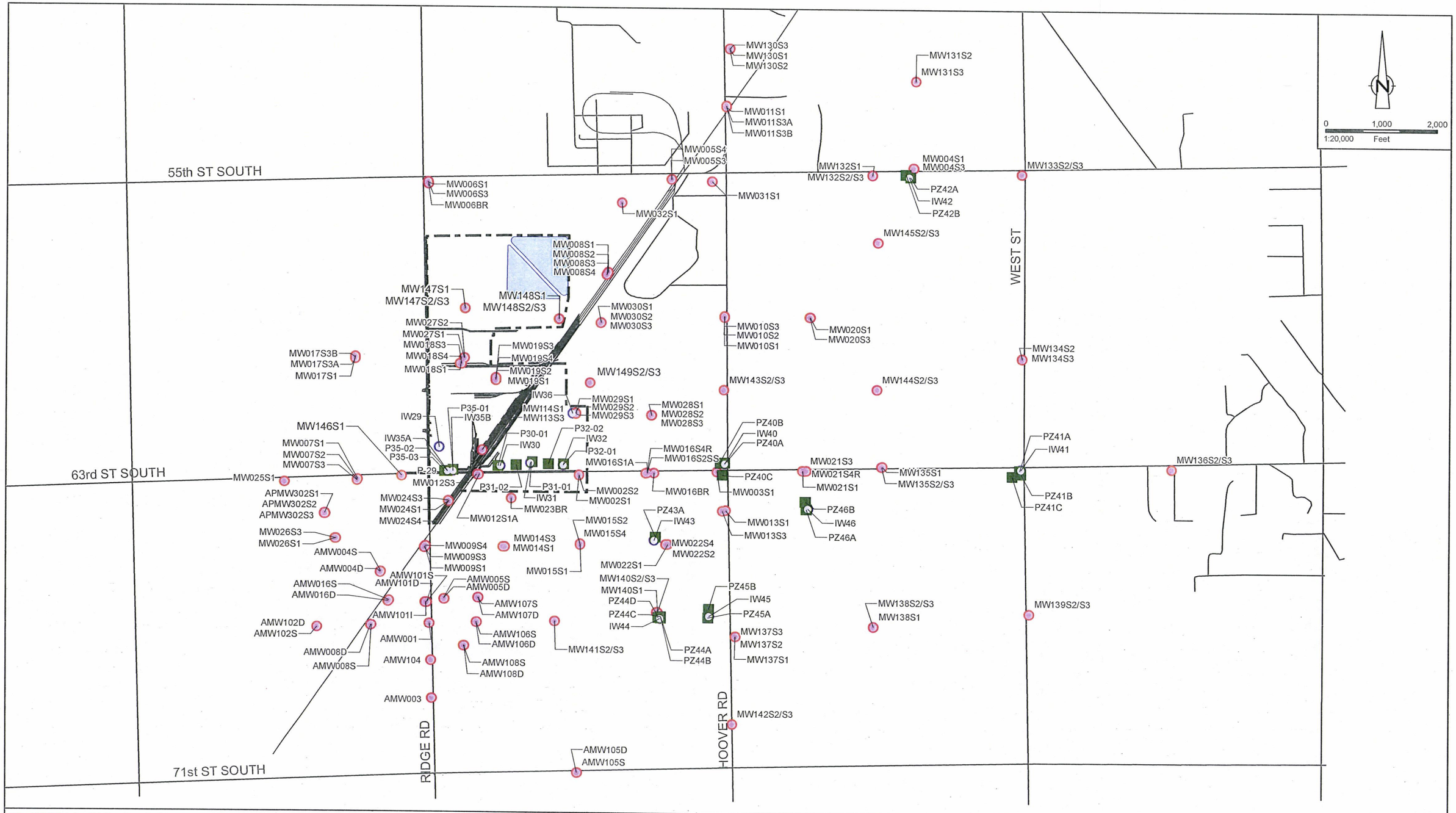


Source: United States Geological Survey Bayneville Topographic Map; Photorevised 1970

figure 1

SITE LOCATION MAP
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046-D23122(051)GIS-OT001 December 04, 2014



Datum: NAD 83 Projection: State Plane Kansas South

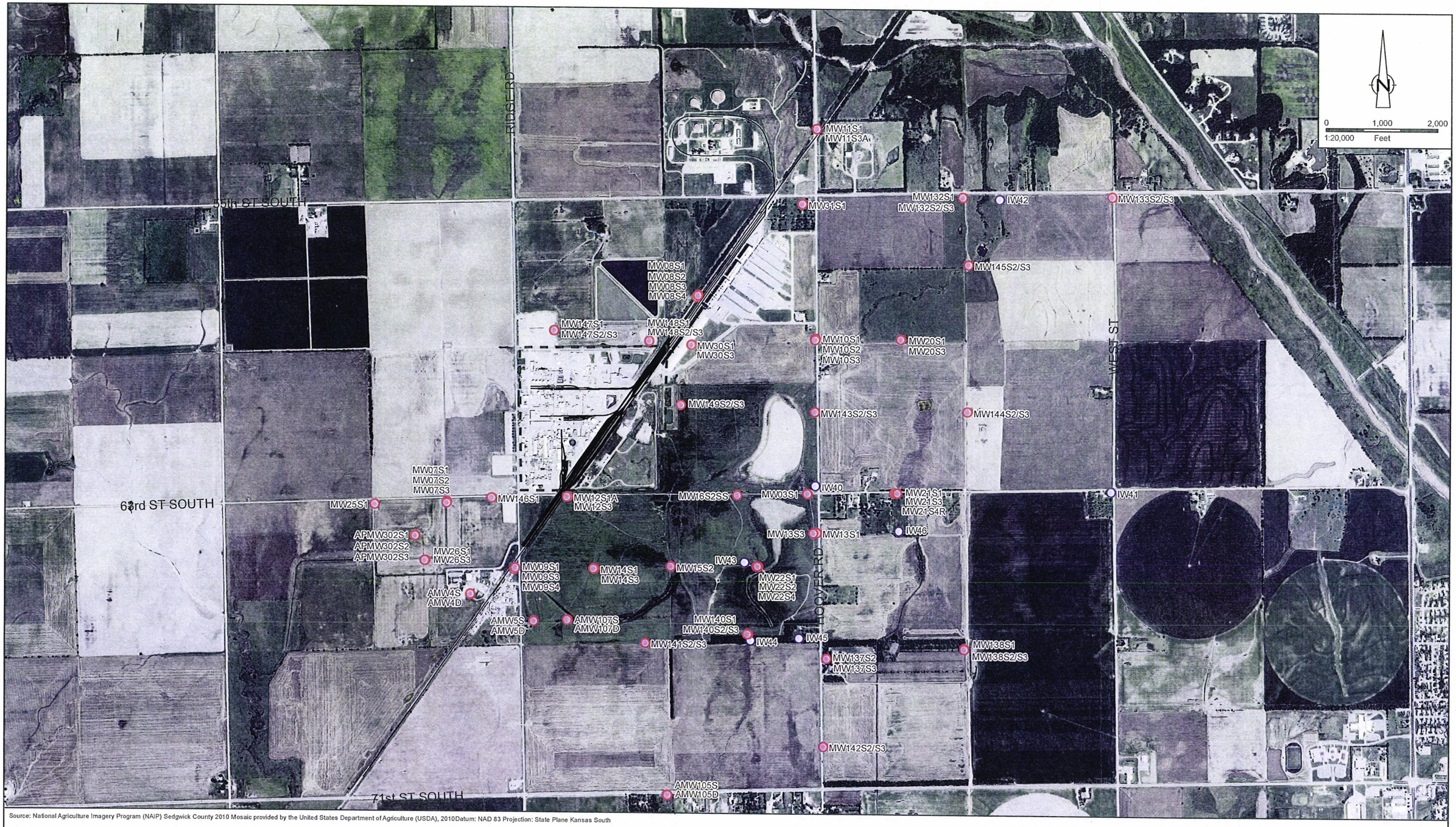
Legend

- Interceptor Well Locations
- Monitoring Well Locations
- Piezometer Locations
- Approximate Site Boundary

figure 2

MONITORING WELL, INTERCEPTOR WELL, AND PIEZOMETER LOCATIONS
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046-D23122(051)GIS-OT002 December 04, 2014



Source: National Agriculture Imagery Program (NAIP) Sedgwick County 2010 Mosaic provided by the United States Department of Agriculture (USDA), 2010Datum: NAD 83 Projection: State Plane Kansas South

Legend

- Interceptor Well
- Monitoring Well
- Approximate Site Boundary
- Roads
- Railroad

figure 3

MONITORING AND INTERCEPTOR WELL LOCATIONS
SEMI-ANNUAL GROUNDWATER MONITORING EVENTS
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046-D23122(051)GIS-OT003 February 18, 2015

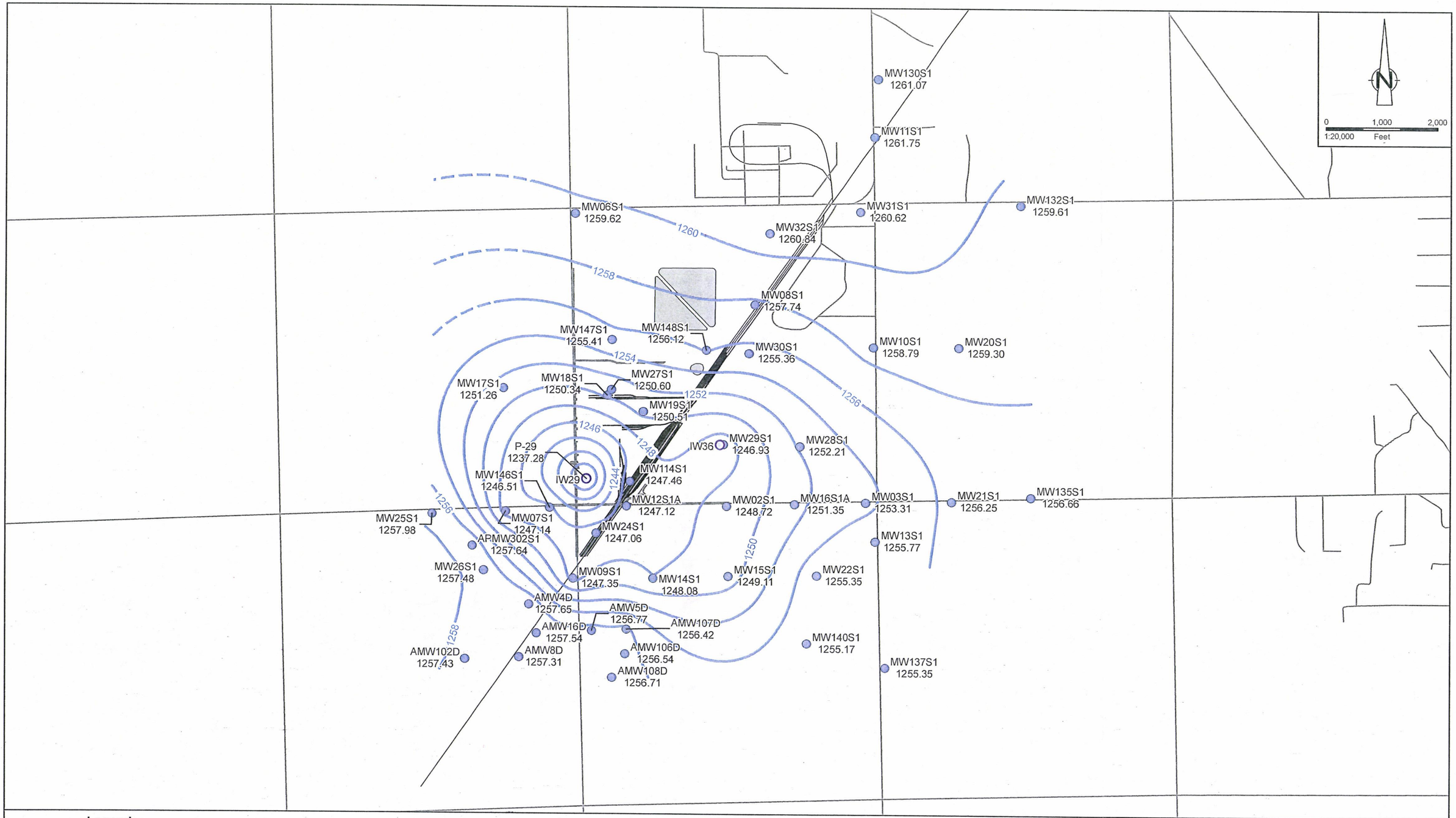
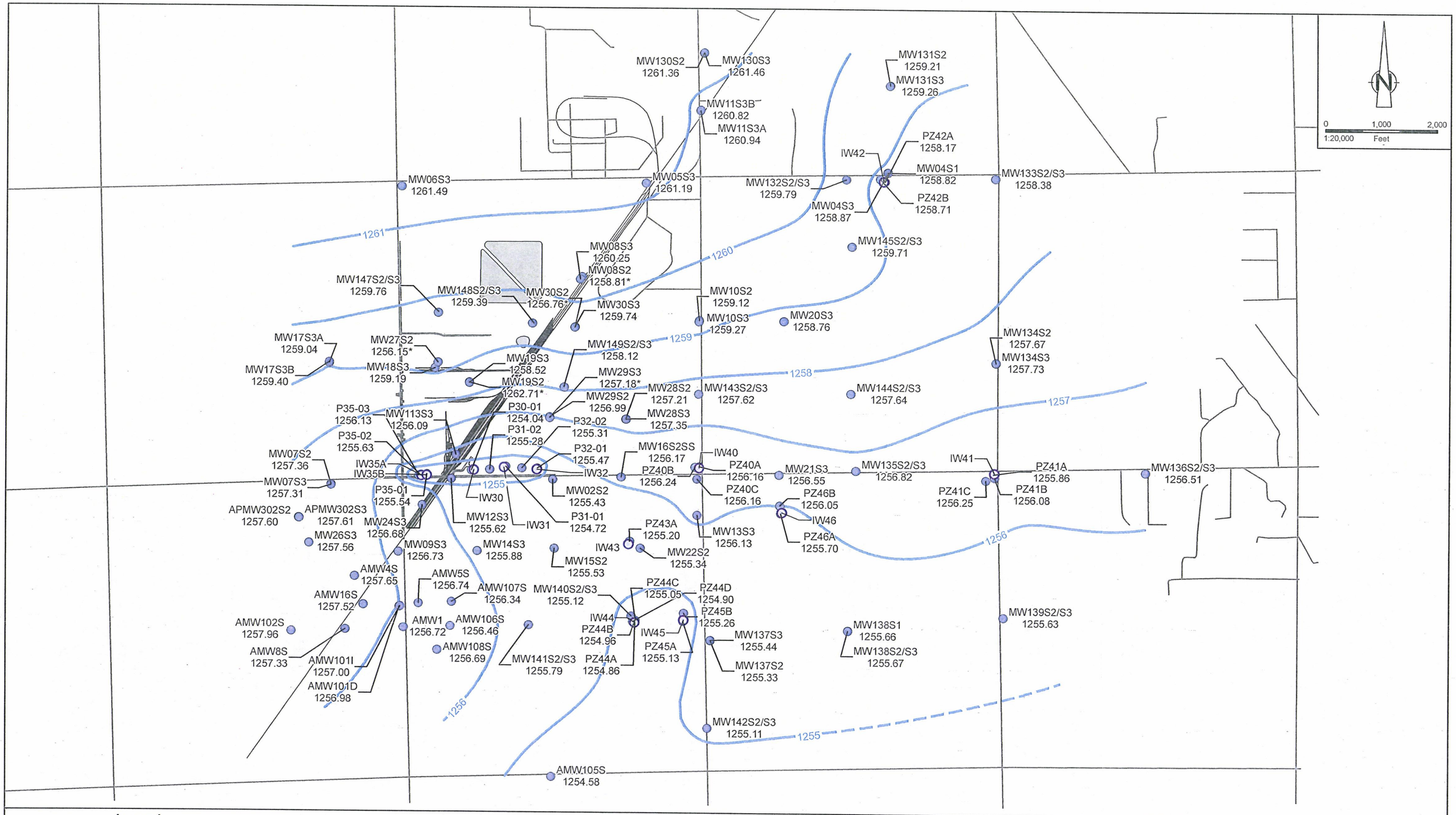


figure 4

NOVEMBER 2014 GROUNDWATER CONTOURS - DEEP (S1) SCREENED SAND UNIT INTERVAL
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046-D23122(051)GIS-OT004 December 11, 2014



Legend

- Roads
- Railroad
- Storm Ponds
- Interceptor Well Locations
- Sand Unit 2/3 Locations
- S2/S3 Contours

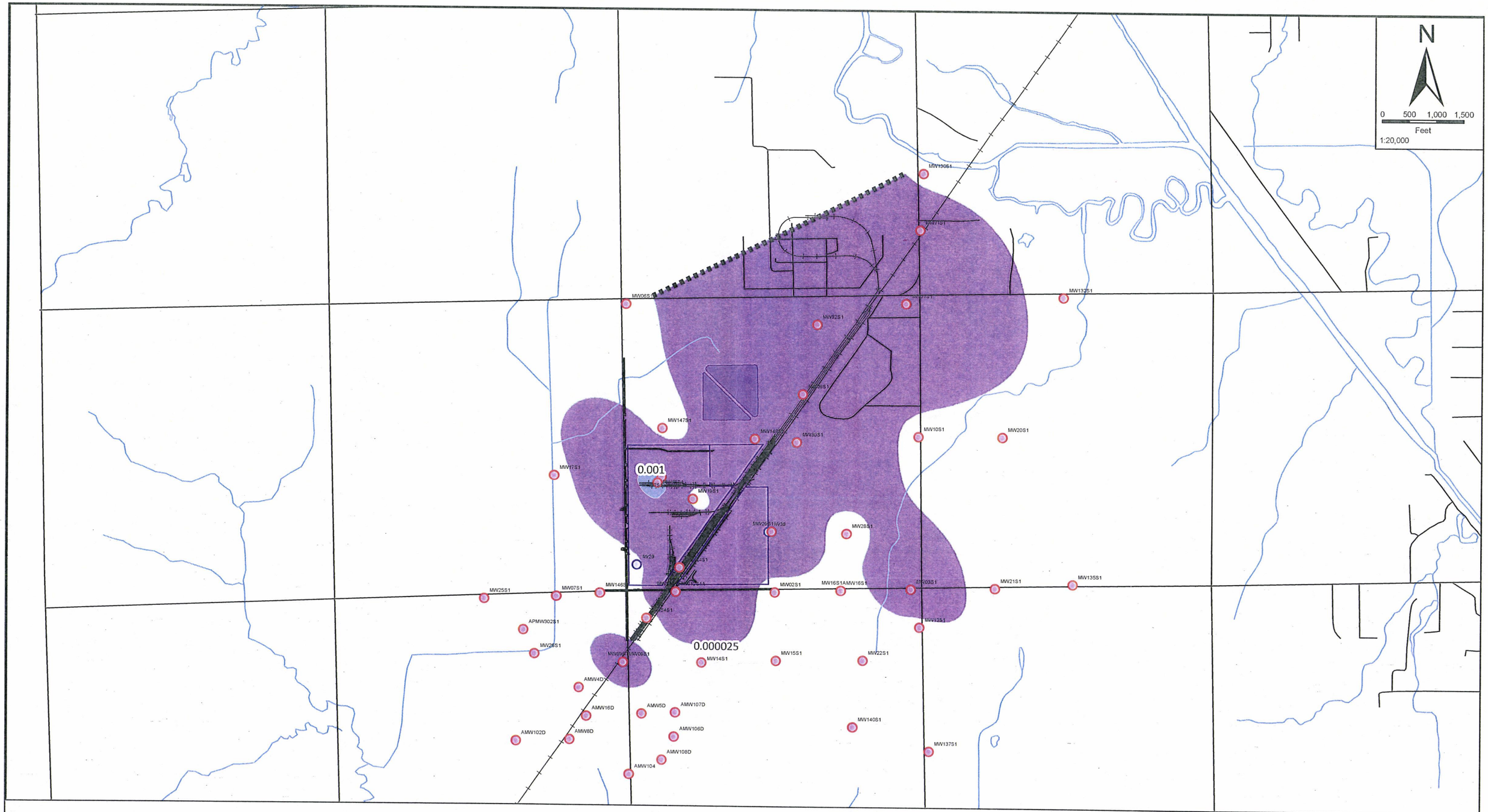
ID
WATER LEVEL (ft MSL)

NM - Not measured
* - Water level not used in contouring
Interceptor wells not used for contours

figure 5

NOVEMBER 2014 GROUNDWATER CONTOURS – INTERMEDIATE (S2/S3) SCREENED SAND UNIT INTERVAL
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046-D23122(051)GIS-OT005 December 11, 2014



Legend

Groundwater Isoconcentration Contour (mg/L)

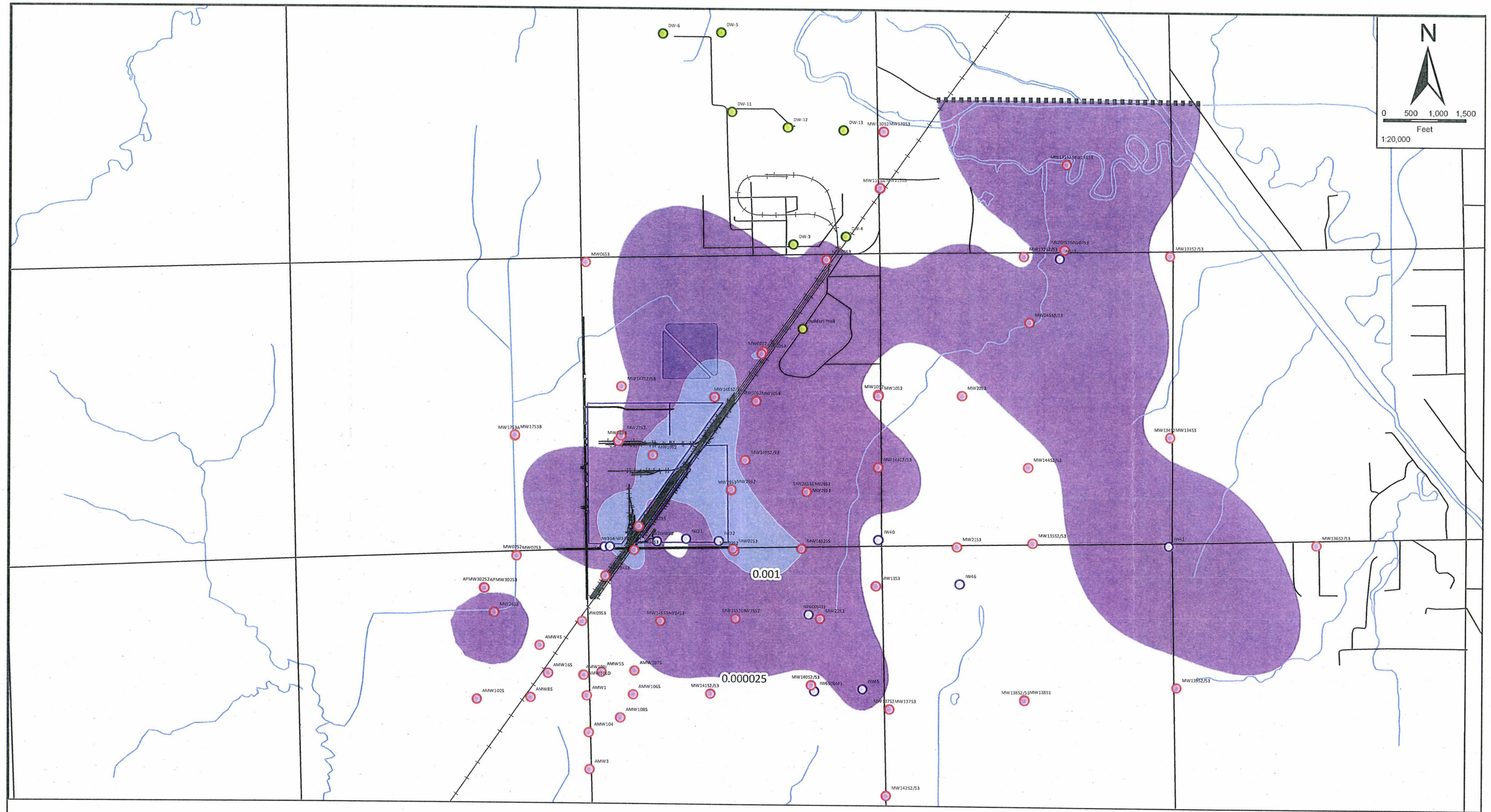
- 0.000025
- 0.001
- Interceptor Well
- Monitoring Well
- Limit Of Spatial Confidence

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S1 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 6

NOVEMBER 2014 BETA-BHC ISOCONCENTRATION CONTOURS IN S1 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO001 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.000025
- 0.001

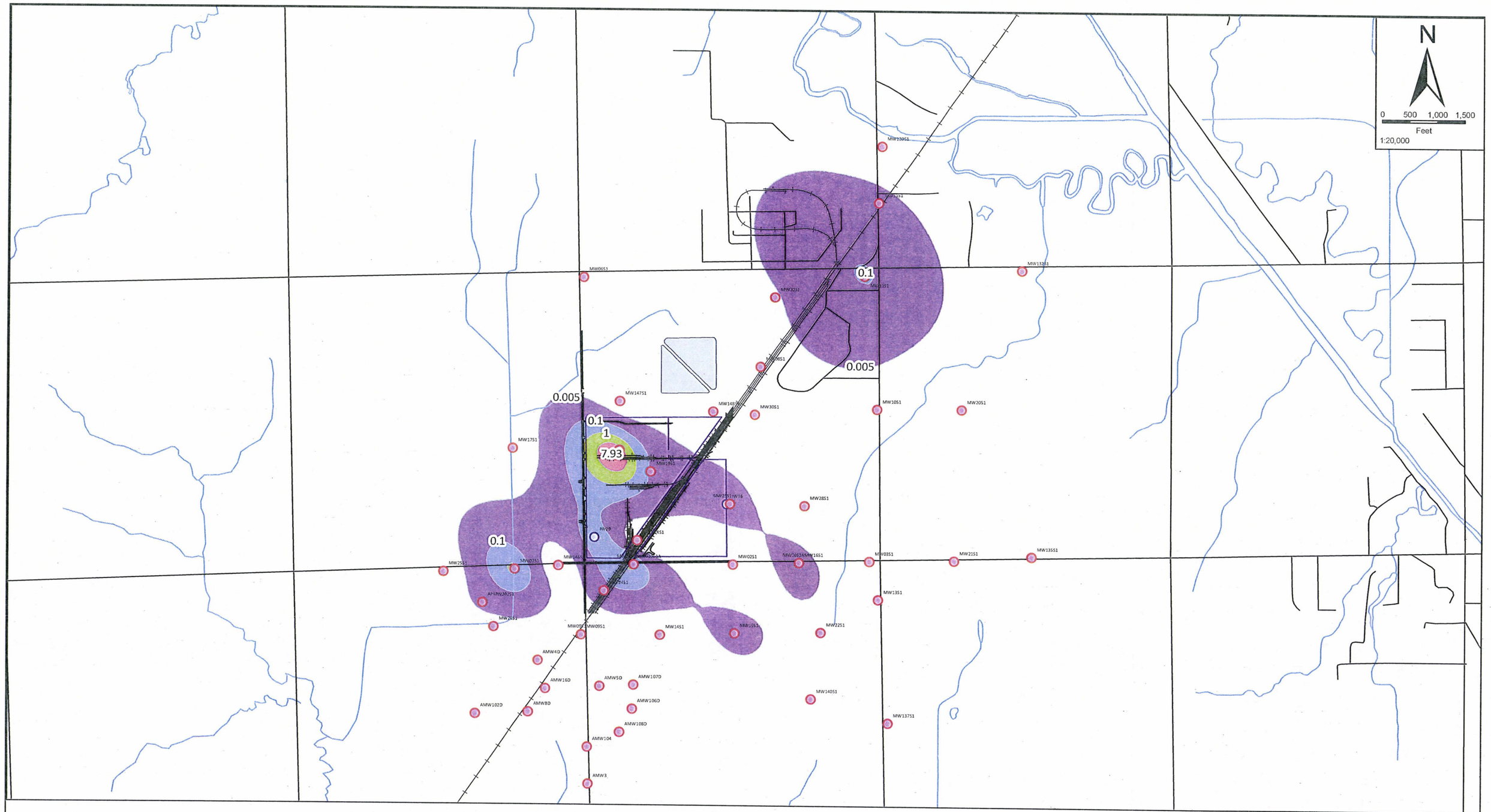
- Interceptor Well
- Monitoring Well
- Production Well
- Limit Of Spatial Confidence

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S2/S3 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 7

NOVEMBER 2014 BETA-BHC ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO002 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.005
- 0.1
- 1
- 7.93

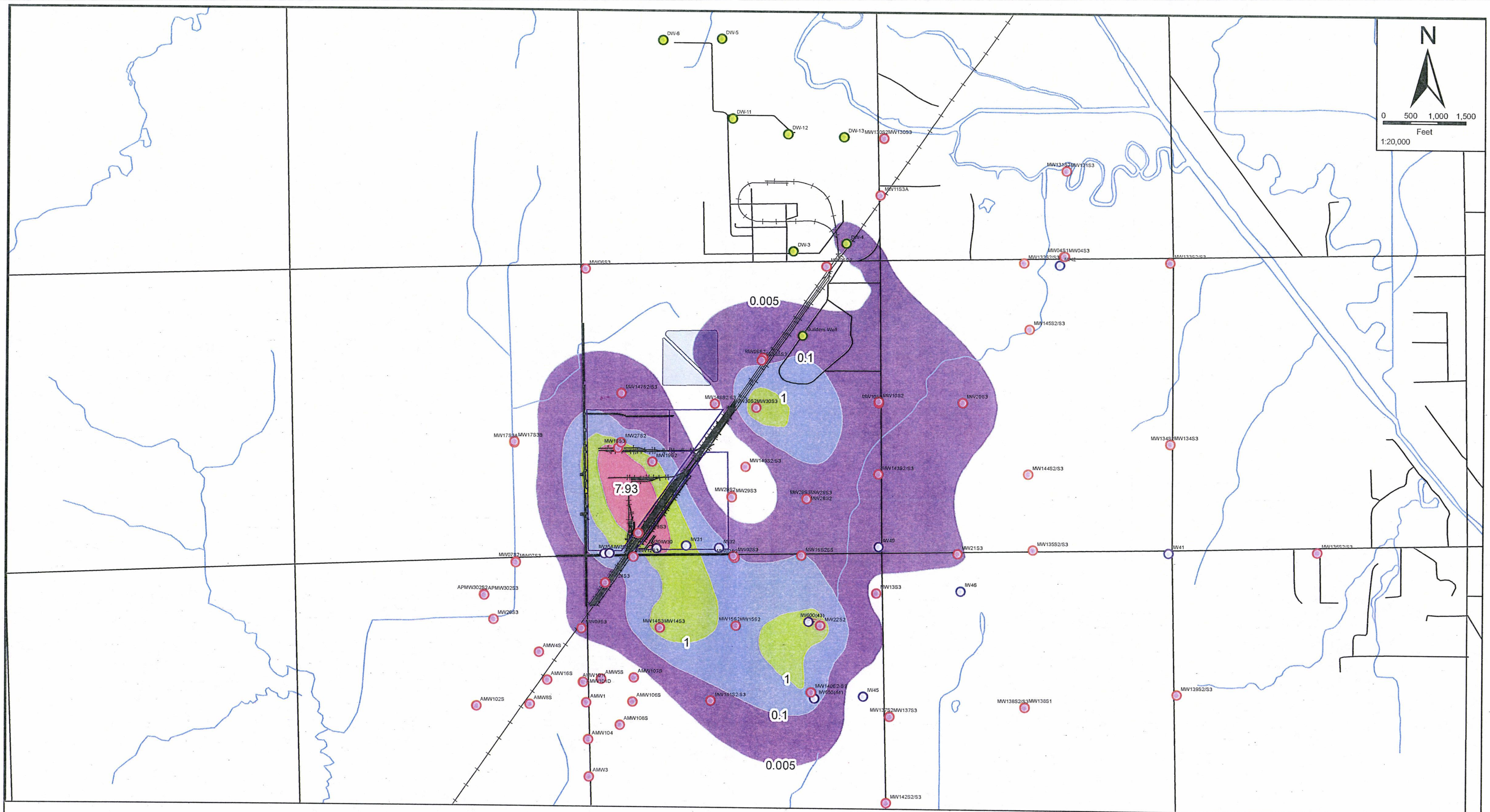
- Interceptor Well
- Monitoring Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S1 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 8

NOVEMBER 2014 CARBON TETRACHLORIDE ISOCONCENTRATION CONTOURS IN S1 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO003 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.005
- 0.1
- 1
- 7.93

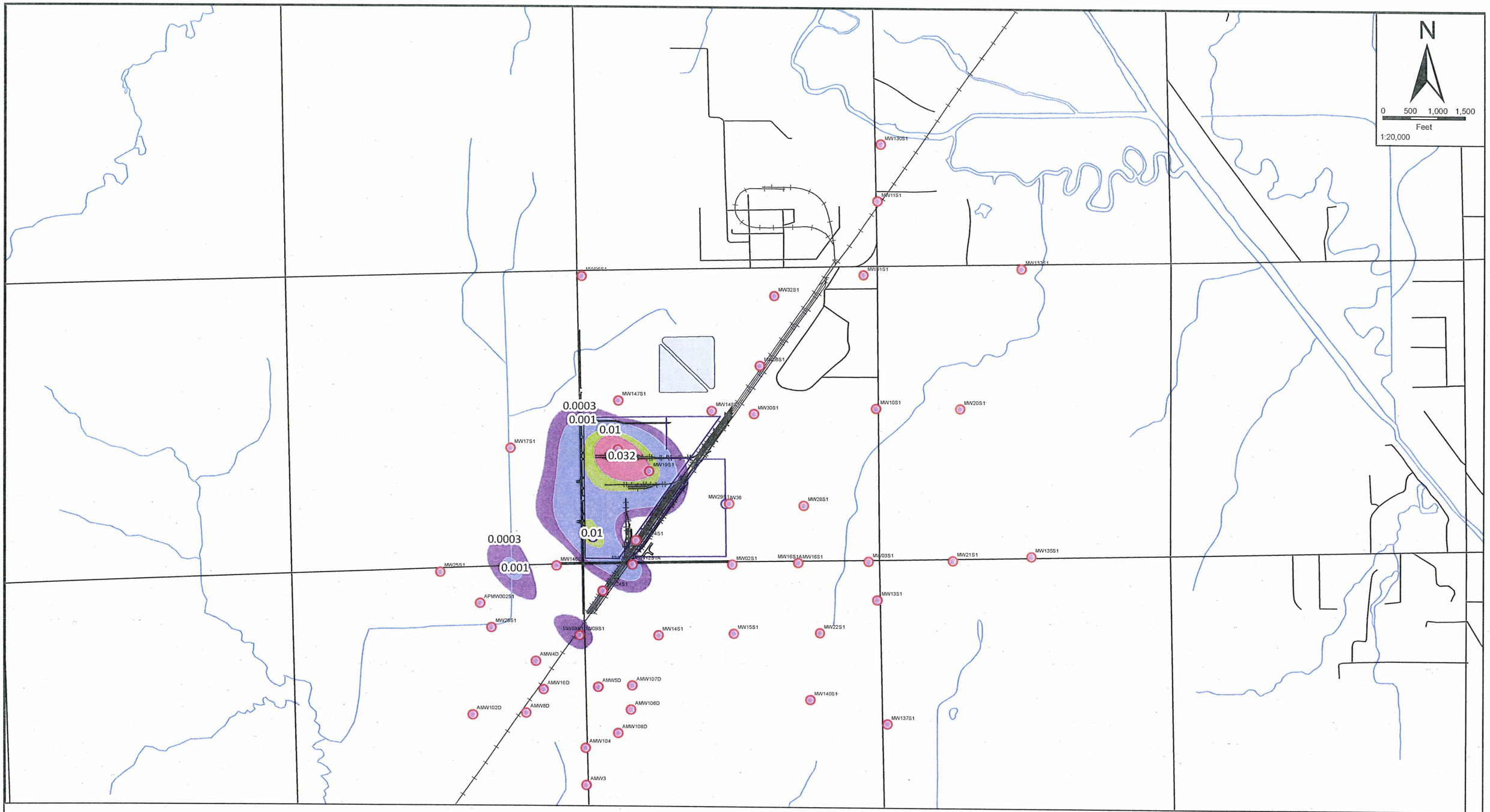
- Interceptor Well
- Monitoring Well
- Production Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S2/S3 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 9

NOVEMBER 2014 CARBON TETRACHLORIDE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO004 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.0003
- 0.001
- 0.01
- 0.032

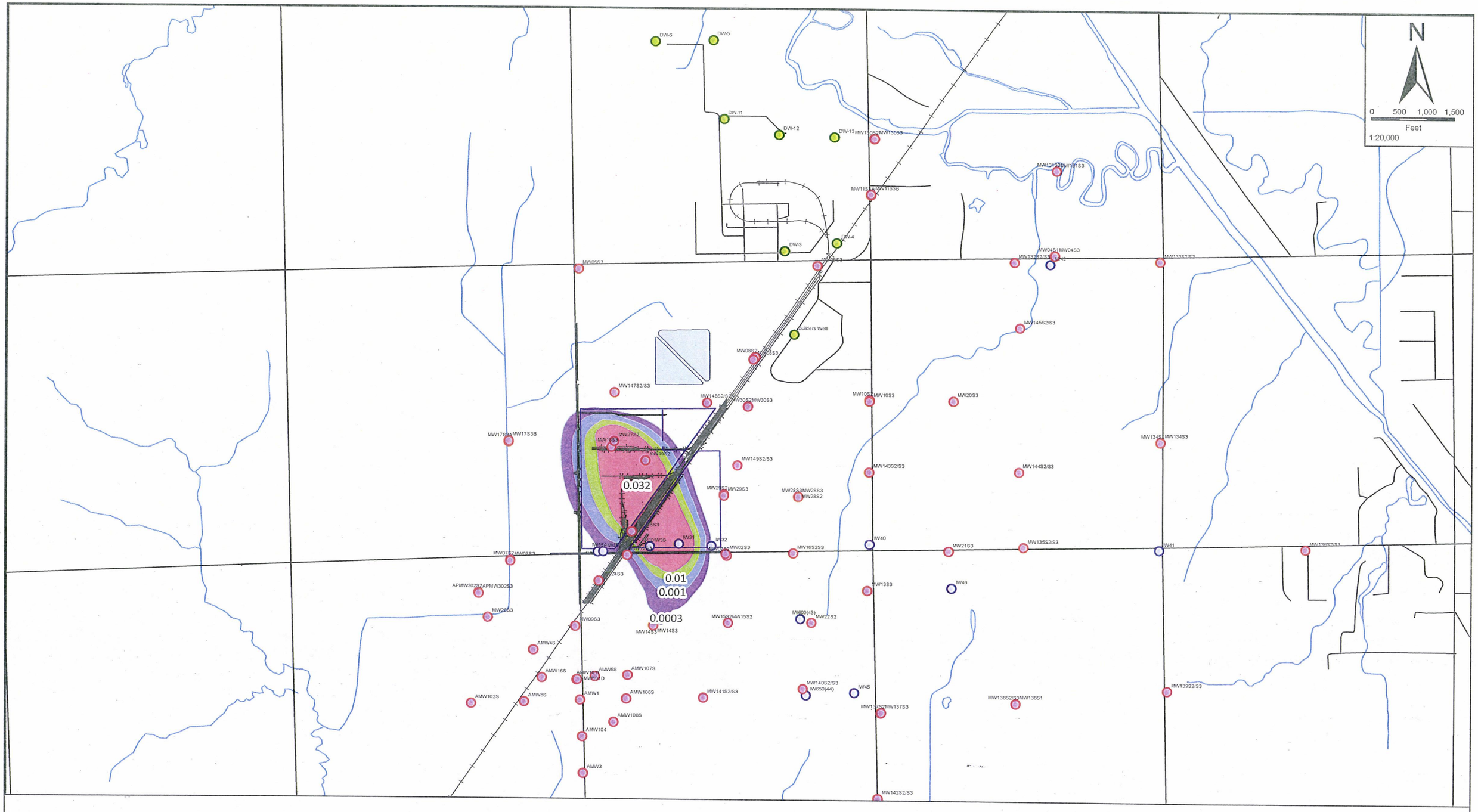
- Interceptor Well
- Monitoring Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S1 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 10

NOVEMBER 2014 HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOURS IN S1 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO005 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.0003
- 0.001
- 0.01
- 0.032

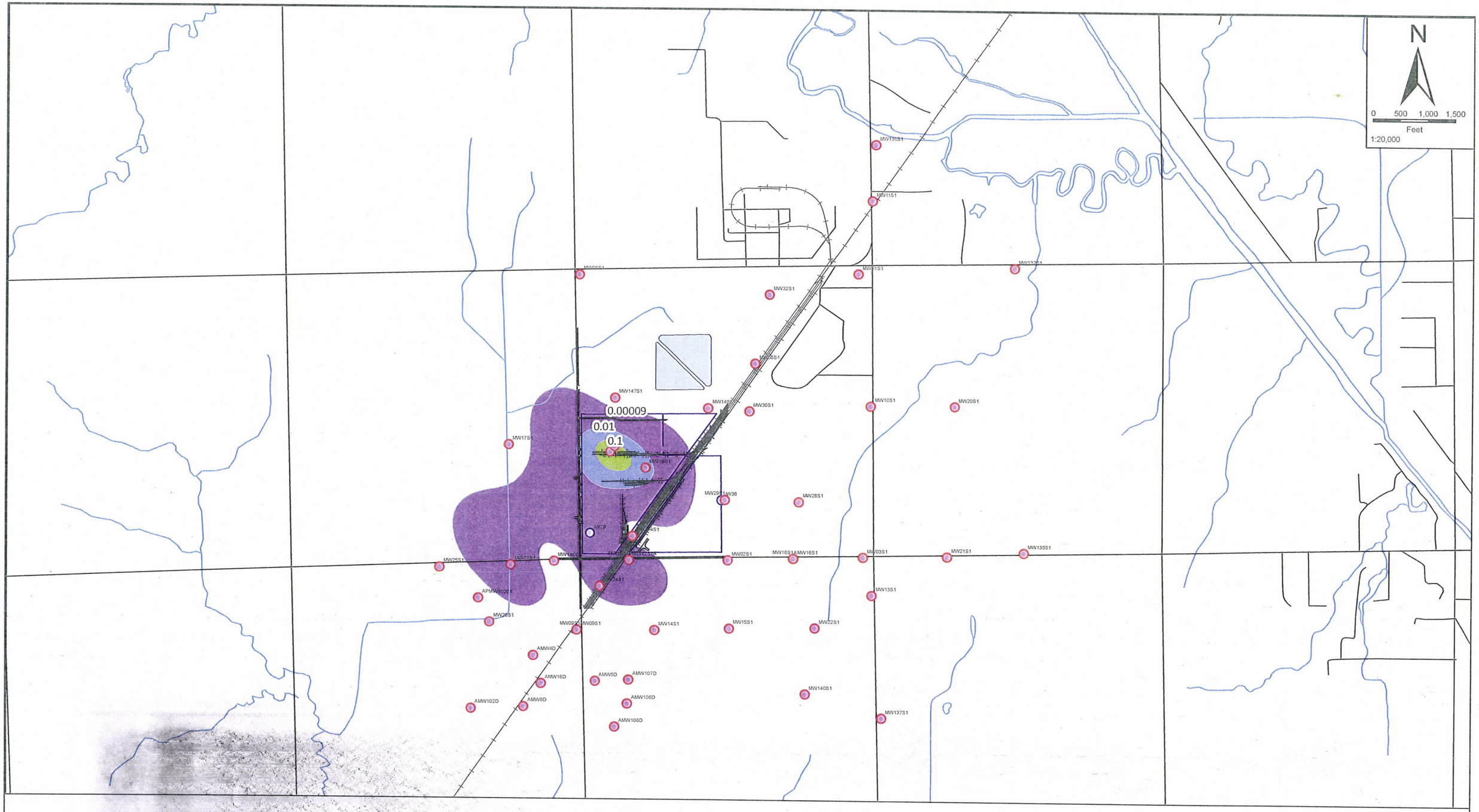
- Interceptor Well
- Monitoring Well
- Production Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S2/S3 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 11

NOVEMBER 2014 HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO006 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.00009
- 0.01
- 0.1
- 0.5

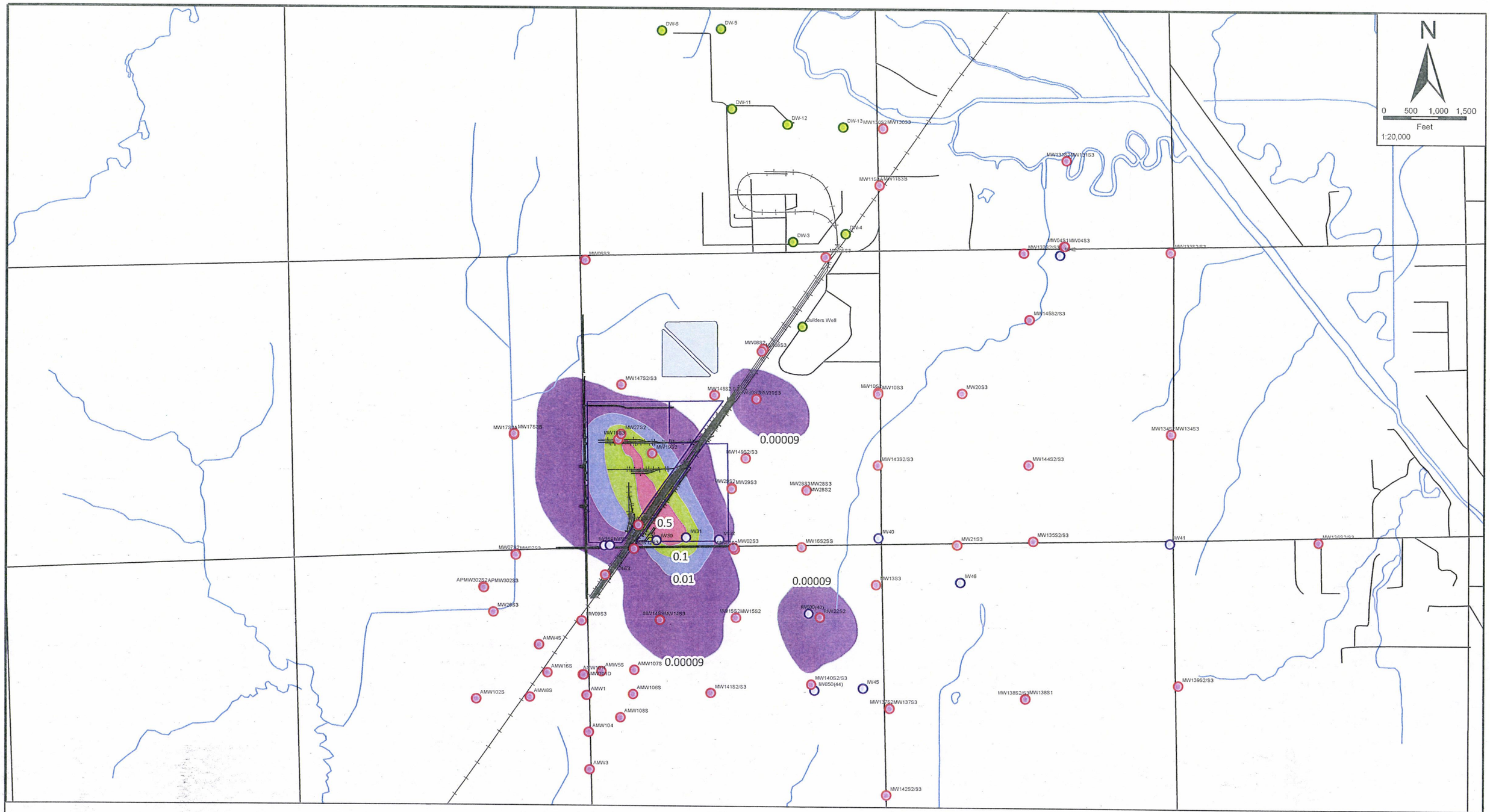
- Interceptor Well
- Monitoring Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S1 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 12

NOVEMBER 2014 HEXACHLOROETHANE ISOCONCENTRATION CONTOURS IN S1 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO007 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.00009
- 0.01
- 0.1
- 0.5

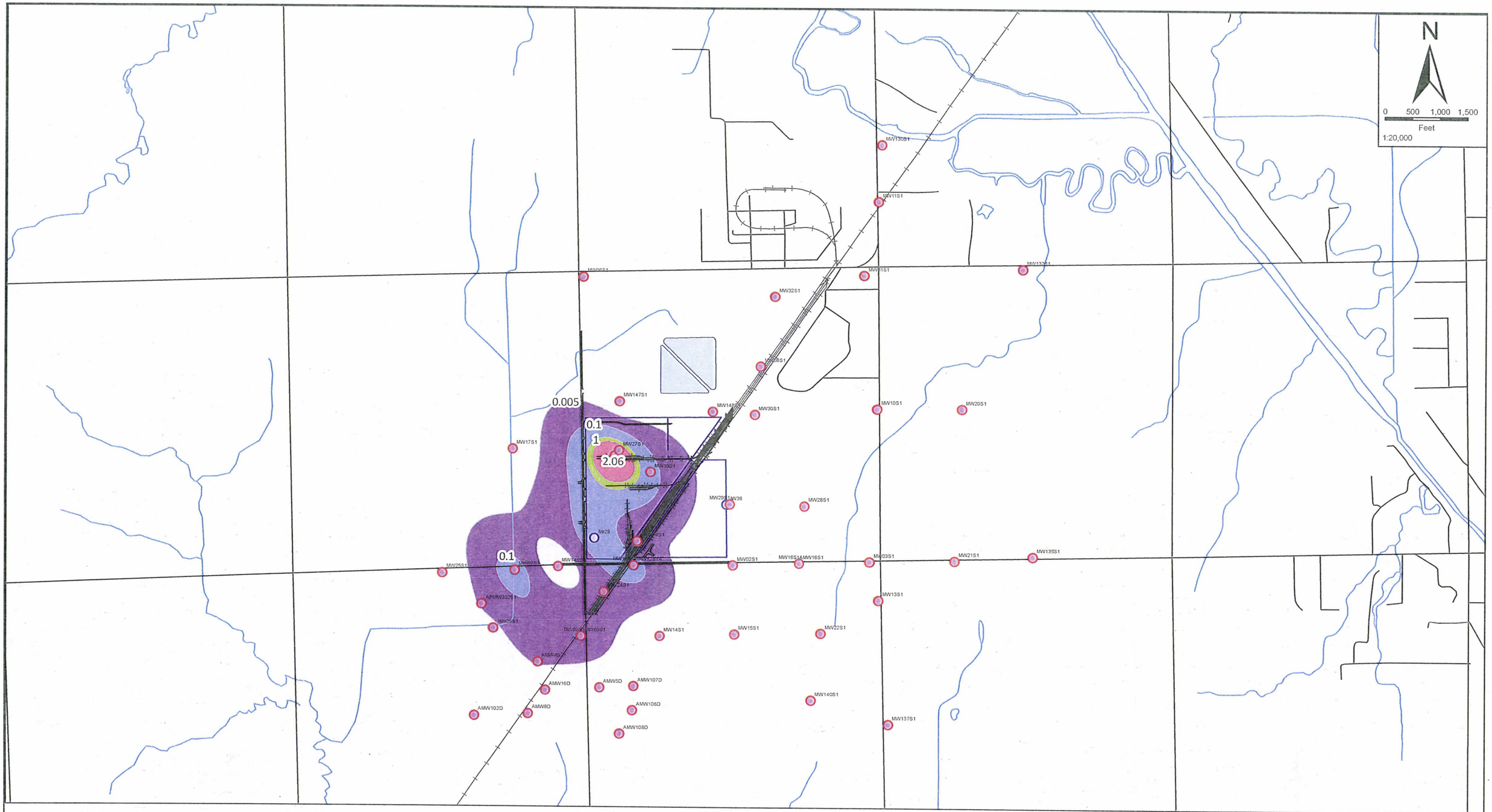
- Interceptor Well
- Monitoring Well
- Production Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S2/S3 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 13

NOVEMBER 2014 HEXACHLOROETHANE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO008 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.005
- 0.1
- 1
- 2.06

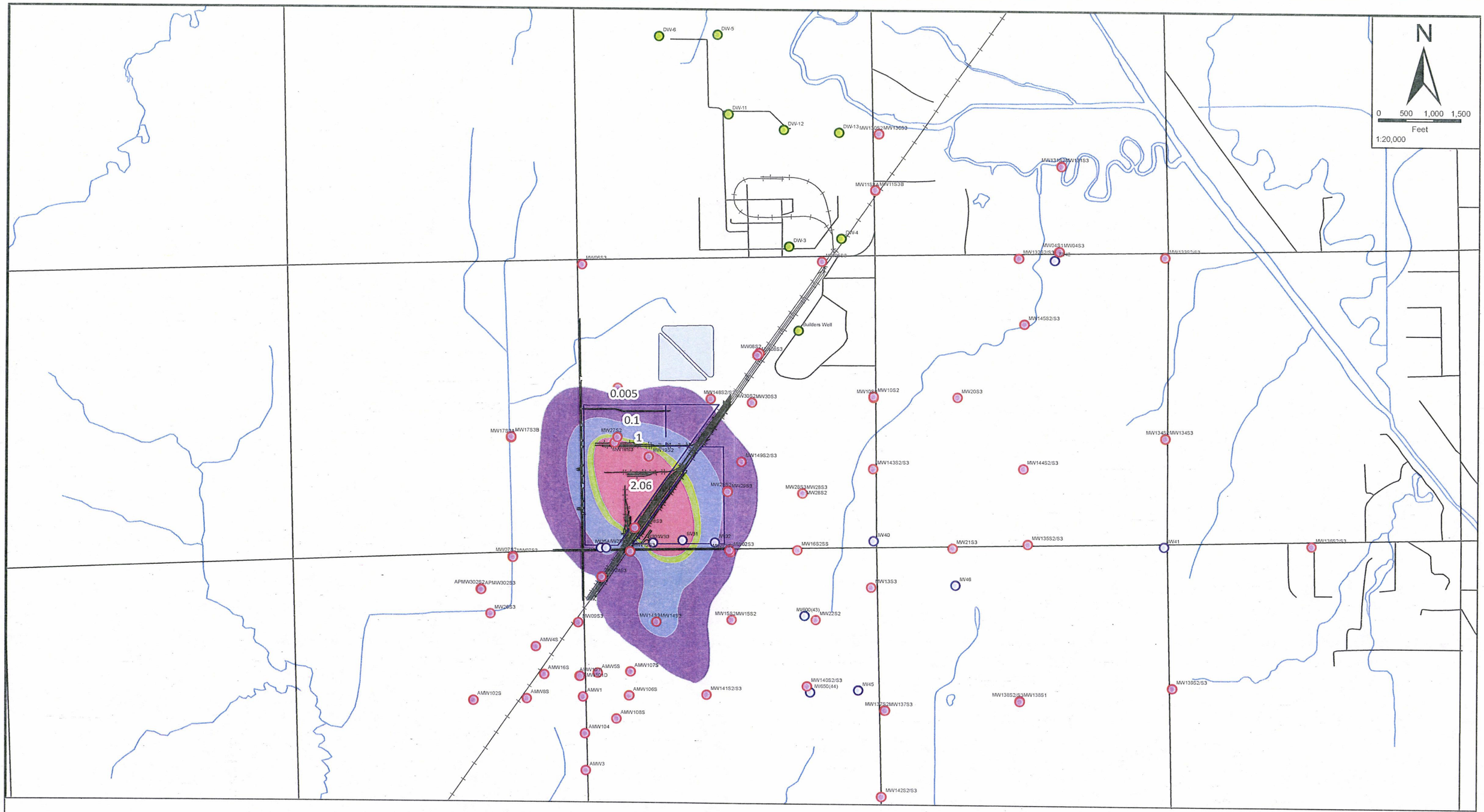
- Interceptor Well
- Monitoring Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S1 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 14

NOVEMBER 2014 PERCHLOROETHYLENE ISOCONCENTRATION CONTOURS IN S1 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO009 February 18, 2015



Legend

Groundwater Isoconcentration Contour (mg/L)

- 0.005
- 0.1
- 1
- 2.06

- Interceptor Well
- Monitoring Well
- Production Well

Note: Isoconcentration contours were generated based on the Nov 2014 groundwater sampling event representative of the S2/S3 aquifer using Surfer 7, log10 transformed data, half the median detection limit for non-detect values, linear 1:1 variogram with anisotropy of 1.4 at 135°, and linear drift.

figure 15

NOVEMBER 2014 PERCHLOROETHYLENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER
OCCIDENTAL CHEMICAL CORPORATION
Wichita, Kansas

054046(051)GIS-CO010 February 18, 2015

TABLE 1

GROUNDWATER MONITORING EVENTS SCHEDULE
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Year	*Spring*	*Fall*
2013	Biennial[1]	Semi-Annual[2]
2014	Annual[3]	Semi-Annual
2015	Biennial	Semi-Annual
2016	Annual	Semi-Annual
2017	Biennial	Semi-Annual

[1] A "Bienniel Event" as set out by "Sampling and Analysis Plan Routine Groundwater Sampling Plan RCRA Corrective Action Program" March 9, 2012.

[2] A "Semi-Annual Event" as set out by "Sampling and Analysis Plan Routine Groundwater Sampling Plan RCRA Corrective Action Program" March 9, 2012.

[3] An "Annual Event" as set out by "Sampling and Analysis Plan Routine Groundwater Sampling Plan RCRA Corrective Action Program" March 9, 2012.

TABLE 2

SUMMARY OF MONITORING WELL CONSTRUCTION DATA
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Installation Date*	*Sand Unit*	*Northing*	*Easting*	*Top of Casing Elevation (ft AMSL)* [1]	*Total Depth (ft BGS)* [2]	*Diameter (inches)*	*Top of Screen (ft BGS)*	*Base of Screen (ft BGS)*
IW29[3]	12/23/1991	S1	1646614.5773	1623873.5307	1309.48	111.00	16.00	95.0	105.0
IW30	11/2/2011	S2/S3	1646288.5656	1624972.7905	1315.25	74.00	16.00	61.0	71.0
IW31	10/11/1977	S2/S3	1646341.5296	1625508.7554	1315.47	77.00	16.00	58.0	74.0
IW32	1/6/2011	S2/S3	1646307.7216	1626100.5395	1313.78	77.00	16.00	61.0	76.0
IW35A	6/28/1983	S2/S3	1646187.1026	1624027.9391	1309.06	74.00	16.00	52.5	72.5
IW35B	12/3/1996	S2/S3	1646190.9950	1624126.9233	1309.08	70.00	16.00	46.0	66.0
IW36	6/23/2003	S1	1647232.5176	1626263.8998	1309.15	101.00	12.00	91.0	101.0
IW40	3/4/2003	S2/S3	1646522.7287	1629150.9634	1306.77	83.00	12.00	73.0	83.0
IW41	2/18/2003	S2/S3	1646289.0136	1634262.7012	1303.07	58.00	12.00	48.0	58.0
IW42	2/20/2003	S2/S3	1651492.9999	1632247.8862	1295.27	54.00	12.00	39.0	54.0
IW43	3/23/2011	S2/S3	1644982.4160	1627737.0289	1305.93	82.50	16.00	62.0	82.0
IW44	3/30/2011	S2/S3	1643587.8118	1627849.1557	1304.84	80.00	16.00	59.0	79.0
IW45	7/23/2013	S2/S3	1643632.5476	1628718.2241	1306.22	76.00	16.00	56.0	71.0
IW46	7/23/2013	S2/S3	1645561.5328	1630475.1832	1300.26	71.00	16.00	53.5	66.0
MW02S1	10/5/1983	S1	1646139.1092	1626385.8231	1306.54	101.20	2.00	85.0	95.0
MW02S2	10/5/1983	S2/S3	1646131.7673	1626385.0749	1306.93	65.00	2.00	45.0	65.0
MW03S1	3/3/1977	S1	1646209.7470	1628847.2777	1306.87	105.33	6.00	89.7	99.7
MW04S1	2/21/1991	S1	1651654.5063	1632319.5291	1290.96	65.80	2.00	51.5	61.5
MW04S3	3/3/1977	S2/S3	1651653.8914	1632330.3734	1291.17	35.00	2.00	25.0	35.0
MW05S3	3/3/1977	S2/S3	1651434.4841	1628016.5404	1302.42	47.60	6.00	37.5	47.5
MW05S4	2/15/1991	S4	1651423.9004	1628011.8282	1301.37	24.00	2.00	17.0	24.0
MW06BR	NA[4]	BR	1651319.0266	1623652.8980	1310.34	NA	6.00	NA	NA
MW06S1	3/3/1977	S1	1651343.5609	1623650.5457	1310.88	100.00	6.00	76.0	86.0
MW06S3	3/3/1977	S2/S3	1651353.9237	1623649.2436	1310.77	60.00	6.00	50.0	60.0
MW07S1	2/15/1991	S1	1646029.1244	1622430.9461	1307.52	114.00	2.00	106.0	111.0
MW07S2	3/3/1977	S2/S3	1646020.2484	1622422.0335	1306.33	86.50	6.00	76.5	86.5
MW07S3	3/3/1977	S2/S3	1646008.4935	1622423.1202	1306.39	61.00	6.00	51.0	61.0
MW08S1	9/28/1983	S1	1649732.9124	1626869.4397	1307.43	106.00	2.00	97.0	102.0
MW08S2	2/14/1991	S2/S3	1649758.7278	1626888.7447	1307.71	84.00	2.00	72.0	82.0
MW08S3	3/3/1977	S2/S3	1649715.5916	1626857.1997	1308.44	58.40	6.00	48.3	58.3
MW08S4	1/8/1990	S4	1649744.7673	1626877.2577	1307.50	35.00	2.00	24.7	34.7
MW09S1	9/29/1983	S1	1644843.9759	1623638.6623	1307.15	115.00	2.00	100.0	110.0
MW09S3	3/3/1977	S2/S3	1644826.3195	1623625.6479	1307.04	82.60	6.00	72.5	82.5
MW09S4	4/28/1988	S4	1644854.2437	1623645.9475	1308.57	41.50	2.00	36.5	41.5
MW10S1	2/9/1991	S1	1648975.7830	1628969.7898	1299.25	107.00	2.00	93.0	107.0
MW10S2	3/3/1977	S2/S3	1648985.4337	1628970.4195	1298.59	68.00	2.00	58.0	68.0
MW10S3	3/3/1977	S2/S3	1648962.4567	1628968.2457	1298.84	45.70	2.00	35.7	45.7
MW11S1	2/6/1991	S1	1652728.0849	1628981.0026	1290.94	84.80	2.00	70.5	80.5
MW11S3A	3/3/1977	S2/S3	1652735.6273	1628980.5640	1291.35	55.00	6.00	45.0	55.0
MW11S3B	3/3/1977	S4	1652746.6358	1628981.1088	1290.82	35.00	6.00	25.0	35.0
MW12S1A	3/3/1977	S1	1646131.0019	1624584.3919	1310.00	100.00	2.00	81.9	91.9
MW12S3	10/4/1983	S2/S3	1646130.5595	1624560.0619	1308.26	70.00	6.00	46.0	66.0
MW13S1	1/9/1990	S1	1645518.7911	162010.0824	1304.34	111.50	2.00	99.0	109.0
MW13S3	3/3/1977	S2/S3	1645509.9341	1628974.9501	1308.01	68.73	6.00	54.1	64.1
MW14S1	10/28/1987	S1	1644848.7658	1625061.3014	1310.46	102.00	2.00	92.0	102.0
MW14S3	10/28/1987	S2/S3	1644847.9489	1625040.7124	1308.54	72.00	2.00	62.0	72.0
MW15S1	10/28/1987	S1	1644891.0400	1626416.3200	1306.48	100.00	2.00	88.0	98.0
MW15S2	10/28/1987	S2/S3	1644899.7421	1626415.4886	1305.98	74.00	2.00	64.0	74.0
MW15S4	4/28/1988	S4	1644909.7566	1626415.2803	1307.97	40.00	2.00	33.0	38.0

TABLE 2

SUMMARY OF MONITORING WELL CONSTRUCTION DATA
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Installation Date*	*Sand Unit*	*Northing*	*Easting*	*Top of Casing Elevation (ft AMSL)* [1]	*Total Depth (ft BGS)* [2]	*Diameter (inches)*	*Top of Screen (ft BGS)*	*Base of Screen (ft BGS)*
MW16BR	2/9/1990	BR	1646182.1112	1627725.6715	1305.07	148.00	2.00	123.0	138.0
MW16S1A	1/11/2002	S1	1646177.5404	1627582.1846	1306.67	100.00	2.00	92.0	97.0
MW16S2SS	10/28/1987	S2/S3	1646179.5445	1627598.1963	1305.95	80.00	2.00	70.0	80.0
MW16S4R	3/19/2013	S4	1646180.2694	1627611.4298	1306.89	40.00	2.00	35.0	40.0
MW17S1	12/19/1989	S1	1648220.7403	1622376.1826	1307.16	119.00	2.00	101.0	118.0
MW17S3A	12/20/1989	S2/S3	1648184.2818	1622376.6061	1307.31	83.00	2.00	67.5	80.0
MW17S3B	12/19/1989	S2/S3	1648202.9058	1622377.2311	1307.08	58.00	2.00	38.0	55.0
MW18S1	1/23/1990	S1	1648105.7148	1624237.4907	1308.25	103.00	2.00	93.0	103.0
MW18S3	1/26/1990	S2/S3	1648105.1881	1624265.6371	1309.17	66.00	2.00	54.3	64.3
MW18S4	1/24/1990	S4	1648105.7518	1624252.0773	1309.20	34.30	2.00	29.3	34.3
MW19S1	1/13/1990	S1	1647815.7833	1624880.7948	1310.34	104.00	2.00	89.0	104.0
MW19S2	1/15/1990	S2/S3	1647859.3862	1624883.6544	1310.26	83.00	2.00	73.0	83.0
MW19S3	1/16/1990	S2/S3	1647843.7556	1624882.2868	1310.54	55.00	2.00	45.0	55.0
MW19S4	1/14/1990	S4	1647828.7725	1624881.2817	1310.01	35.74	2.00	30.7	35.7
MW20S1	1/28/1990	S1	1648978.2720	1630500.9935	1305.81	101.00	2.00	84.5	99.5
MW20S3	1/28/1990	S2/S3	1648977.7447	1630490.8299	1305.45	67.00	2.00	57.0	67.0
MW21S1	1/14/1990	S1	1646234.9591	1630382.1006	1299.58	108.00	2.00	98.2	108.2
MW21S3	1/15/1990	S2/S3	1646234.5347	1630417.1166	1299.26	58.25	2.00	48.3	58.3
MW21S4R	3/20/2013	S4	1646236.1340	1630443.1464	1299.99	37.50	2.00	27.5	37.5
MW22S1	1/5/1990	S1	1644911.0683	1627980.2105	1304.12	111.00	2.00	96.0	111.0
MW22S2	1/6/1990	S2/S3	1644912.2625	1627942.2812	1304.55	85.00	2.00	70.0	85.0
MW22S4	1/5/1990	S4	1644911.9911	1627960.3841	1304.16	36.00	2.00	26.0	36.0
MW23BR	NA	BR	1645711.4736	1625167.8070	1309.67	NA	2.00	NA	NA
MW24S1	6/3/1990	S1	1645650.6212	1624052.7606	1309.32	100.00	2.00	87.3	97.3
MW24S3	6/4/1990	S2/S3	1645659.2857	1624044.5251	1308.22	67.50	2.00	56.0	66.0
MW24S4	6/5/1990	S4	1645658.9513	1624056.3458	1308.73	40.40	2.00	31.5	36.5
MW25S1	4/13/1993	S1	1645974.6016	1621124.8449	1311.63	120.00	2.00	107.0	117.0
MW26S1	4/16/1993	S1	1644978.9381	1622044.1862	1308.74	116.00	2.00	101.0	111.0
MW26S3	5/27/1993	S2/S3	1644976.3579	1622025.5931	1308.93	60.00	2.00	49.0	59.0
MW27S1	8/16/1977	S1	1648205.2650	1624309.9120	1309.23	109.00	6.00	97.0	107.0
MW27S2	10/6/1977	S2/S3	1648206.8451	1624317.3679	1309.49	87.00	6.00	77.0	83.0
MW28S1	11/20/1996	S1	1647212.2402	1627674.8180	1309.34	108.50	2.00	93.0	108.0
MW28S2	11/20/1996	S2/S3	1647211.9419	1627679.5075	1309.44	84.00	2.00	74.0	84.0
MW28S3	11/20/1996	S2/S3	1647211.6087	1627684.4502	1309.51	63.00	2.00	53.0	63.0
MW29S1	11/20/1996	S1	1647239.8234	1626323.4393	1305.39	99.00	2.00	88.0	98.0
MW29S2	11/20/1996	S2/S3	1647244.7544	1626322.7595	1305.46	72.00	2.00	57.0	72.0
MW29S3	11/20/1996	S2/S3	164227.0676	1626325.1920	1306.58	55.50	2.00	44.0	54.0
MW30S1	11/20/1996	S1	1648862.2343	1626767.2155	1310.00	108.00	2.00	98.0	108.0
MW30S2	1/9/1997	S2/S3	1648858.1780	1626764.4302	1309.95	80.00	2.00	70.0	80.0
MW30S3	1/9/1997	S2/S3	1648854.3753	1626761.5076	1310.05	54.00	2.00	44.0	54.0
MW31S1	11/20/1996	S1	1651390.6746	1628731.9635	1298.06	92.00	2.00	77.0	92.0
MW32S1	11/20/1996	S1	1651001.7550	1627126.1190	1307.08	95.00	2.00	85.0	95.0
MW113S3	7/15/1971	S2/S3	1646564.4390	1624643.2299	1309.26	68.50	5.00	63.5	68.5
MW114S1	NA	S1	1646569.6097	1624646.5667	1308.98	NA	5.00	NA	NA
MW130S1	1/10/2002	S1	1653757.5609	1629036.0906	1284.92	73.00	2.00	55.0	70.0
MW130S2	1/10/2002	S2/S3	1653762.6188	1629039.5427	1284.95	44.00	2.00	38.0	43.0
MW130S3	1/10/2002	S2/S3	1653767.6449	1629042.4803	1284.89	35.00	2.00	25.0	35.0
MW131S2	12/12/2001	S2/S3	1653205.5649	1632360.1384	1281.73	55.00	2.00	47.5	51.5
MW131S3	12/13/2001	S2/S3	1653203.6153	1632357.5178	1281.49	45.00	2.00	40.0	45.0
MW132S1	12/10/2001	S1	1651520.6921	1631591.2567	1295.75	84.00	2.00	66.0	76.0

TABLE 2

SUMMARY OF MONITORING WELL CONSTRUCTION DATA
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Installation Date*	*Sand Unit*	*Northing*	*Easting*	*Top of Casing Elevation (ft AMSL)* [1]	*Total Depth (ft BGS)* [2]	*Diameter (inches)*	*Top of Screen (ft BGS)*	*Base of Screen (ft BGS)*
MW132S2/S3	12/12/2001	S2/S3	1651526.7527	1631591.8445	1295.87	50.50	2.00	35.0	50.0
MW133S2/S3	1/7/2002	S2/S3	1651557.5176	1634254.9850	1284.05	42.00	2.00	26.0	36.0
MW134S2	12/19/2001	S2/S3	1648258.3774	1634277.3954	1302.31	59.00	2.00	47.0	50.0
MW134S3	12/19/2001	S2/S3	1648264.6729	1634277.0804	1302.29	45.00	2.00	35.0	45.0
MW135S1	12/17/2001	S1	1646318.2233	1631790.5887	1302.60	104.00	2.00	95.0	100.0
MW135S2/S3	12/17/2001	S2/S3	1646317.6866	1631782.2204	1302.62	58.00	2.00	41.5	56.5
MW136S2/S3	1/8/2002	S2/S3	1646322.9370	1636971.8586	1287.43	51.00	2.00	30.0	45.0
MW137S1	12/31/2001	S1	1643270.2892	1629194.7957	1304.99	117.50	2.00	109.0	112.0
MW137S2	12/14/2001	S1	1643270.6855	1629198.5363	1304.92	103.00	2.00	95.0	102.0
MW137S3	12/14/2001	S2/S3	1643271.5196	1629202.8418	1304.88	81.00	2.00	60.0	80.0
MW138S1	12/16/2001	S2/S3	1643464.7015	1631653.7121	1298.82	89.00	2.00	74.5	84.5
MW138S2/S3	12/16/2001	S2/S3	1643458.2501	1631655.6947	1298.83	61.00	2.00	50.0	60.0
MW139S2/S3	1/9/2002	S2/S3	1643717.4133	1634428.0369	1299.13	63.00	2.00	38.5	53.5
MW140S1	4/13/2010	S2/S3	1643699.7696	1627805.3267	1304.95	98.50	2.00	87.5	93.5
MW140S2/S3	4/15/2010	S2/S3	1643699.4730	1627787.0997	1304.76	79.00	2.00	69.0	79.0
MW141S2/S3	3/18/2011	S2/S3	1643528.2929	1625965.0799	1307.86	90.00	2.00	79.0	89.0
MW142S2/S3	3/20/2011	S2/S3	1641701.6139	1629148.8546	1297.03	90.00	2.00	72.0	82.0
MW143S2/S3	3/20/2011	S2/S3	1647670.1598	1628967.4074	1300.32	75.00	2.00	63.0	68.0
MW144S2/S3	3/22/2011	S2/S3	1647692.5703	1631690.1246	1303.64	65.00	2.00	47.0	57.0
MW145S2/S3	3/21/2011	S2/S3	1650322.9712	1631696.7776	1291.12	60.00	2.00	48.0	53.0
MW146S1	9/25/2014	S1	1646099.1200	1623215.3800	1306.30	108.00	2.00	91.0	101.0
MW147S1	9/22/2014	S1	1649092.3000	1624318.6700	1309.96	105.00	2.00	96.0	101.0
MW147S2/S3	9/22/2014	S2/S3	1649098.6900	1624318.7600	1310.11	55.00	2.00	42.0	52.0
MW148S1	9/23/2014	S1	1648914.9300	1626008.2400	1309.94	105.00	2.00	91.0	101.0
MW148S2/S3	9/23/2014	S2/S3	1648920.7600	1626007.2800	1309.96	60.00	2.00	50.0	60.0
MW149S2/S3	9/22/2014	S2/S3	1647781.6100	1626575.8800	1305.53	55.00	2.00	41.0	51.0
Abbott Monitoring Wells									
AMW1	9/26/1979	S2/S3	1643473.2174	1623720.6995	1307.77	82.00	5.26	63.0	78.0
AMW3	9/27/1979	S1/S2	1642132.4650	1623772.8753	1308.25	128.00	5.00	64.0	124.0
AMW4D	9/27/1979	S1	1644375.0091	1622848.6438	1309.27	107.00	5.26	83.0	103.0
AMW4S	9/27/1979	S2/S3	1644385.0229	1622852.0093	1309.17	75.92	5.26	52.0	72.0
AMW5D	9/28/1979	S1	1643908.4946	1623976.6203	1307.57	97.50	5.26	84.0	97.0
AMW5S	9/28/1979	S2/S3	1643908.6536	1623986.4754	1307.50	79.80	5.26	NA	NA
AMW8D	9/26/1979	S1	1643433.8532	1622679.7084	1307.74	123.00	5.26	99.0	119.0
AMW8S	9/26/1979	S2/S3	1643434.9098	1622690.2400	1307.70	83.00	5.26	58.0	78.0
AMW16D	9/25/1979	S1	1643859.7111	1622989.4302	1308.97	109.49	6.00	NA	NA
AMW16S	9/25/1979	S2/S3	1643878.9725	1623005.1842	1309.02	76.20	6.00	NA	NA
AMW101D	10/25/1983	S2/S3	1643848.2130	1623649.3170	1306.17	108.00	4.25	71.0	92.0
AMW101I	10/25/1983	S2/S3	1643849.1330	1623662.1740	1306.26	60.18	4.25	NA	NA
AMW101S	10/25/1983	S4	1643849.7540	1623675.5450	1306.31	46.20	4.25	NA	NA
AMW102D	10/28/1983	S1	1643395.1918	1621714.7922	1310.40	147.00	4.25	96.0	110.0
AMW102S	10/28/1983	S2/S3	1643395.5966	1621722.1890	1310.31	NA	4.25	44.0	58.0
AMW104	11/20/1983	S1/S2/S3	1642807.4030	1623754.9999	1306.09	114.50	4.25	49.0	106.0
AMW105D	12/5/1983	S1/S2	1640818.1214	1626369.6145	1300.31	113.00	5.26	80.0	111.0
AMW105S	12/5/1983	S2/S3	1640818.1818	1626379.9679	1300.10	55.00	5.26	NA	NA
AMW106D	5/6/1991	S1	1643499.5249	1624567.5992	1307.16	100.00	2.00	83.3	98.3
AMW106S	5/7/1991	S2/S3	1643499.8552	1624556.6769	1306.93	75.00	2.00	47.9	72.9
AMW107D	5/11/1991	S1	1643936.3312	1624590.2942	1305.66	103.00	2.00	91.9	101.9
AMW107S	5/14/1991	S2/S3	1643936.3870	1624579.4246	1305.64	72.00	2.00	46.3	71.3

TABLE 2

SUMMARY OF MONITORING WELL CONSTRUCTION DATA
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Installation Date*	*Sand Unit*	*Northing*	*Easting*	*Top of Casing Elevation (ft AMSL)* [1]	*Total Depth (ft BGS)* [2]	*Diameter (inches)*	*Top of Screen (ft BGS)*	*Base of Screen (ft BGS)*
AMW108D	9/26/1991	S1	1643076.9529	1624341.3298	1307.13	106.00	2.00	84.0	104.0
AMW108S	9/27/1991	S2/S3	1643076.0621	1624330.3861	1307.34	70.00	2.00	47.0	67.0
APMW302S1	9/12/1997	S1	1645416.7424	1621838.5251	1307.93	124.00	6.00	114.0	124.0
APMW302S2	9/12/1997	S2/S3	1645423.9800	1621844.7084	1307.98	105.50	6.00	95.5	105.5
APMW302S3	9/12/1997	S2/S3	1645415.8025	1621849.2904	1307.74	85.00	6.00	75.0	85.0
Piezometers									
PZ40A	4/12/2010	S2/S3	1646372.2820	1628985.5631	1305.68	78.00	1.00	73.0	78.0
PZ40B	4/13/2010	S2/S3	1646363.6676	1628905.8973	1305.36	78.00	1.00	73.0	78.0
PZ40C	4/13/2010	S2/S3	1646152.4257	1628942.4778	1305.81	74.00	1.00	69.0	74.0
PZ41A	4/14/2010	S2/S3	1646273.1772	1634243.9014	1301.91	56.00	1.00	51.0	56.0
PZ41B	4/14/2010	S2/S3	1646211.2672	1634263.4534	1301.74	56.00	1.00	51.0	56.0
PZ41C	4/14/2010	S2/S3	1646164.9105	1634106.9346	1303.67	55.00	1.00	50.0	55.0
PZ42A	4/15/2010	S2/S3	1651492.6366	1632272.3917	1294.95	48.00	1.00	43.0	48.0
PZ42B	4/15/2010	S2/S3	1651537.6451	1632188.7724	1292.29	50.00	1.00	45.0	50.0
PZ43A	3/15/2011	S2/S3	1645037.3334	1627757.1290	1306.00	85.00	2.00	69.0	79.0
PZ44A	3/15/2011	S2/S3	1643595.3890	1627857.2728	1303.57	75.00	2.00	63.0	73.0
PZ44B	3/18/2011	S2/S3	1643607.8916	1627850.5864	1303.93	75.00	2.00	63.0	73.0
PZ44C	3/17/2011	S2/S3	1643623.2075	1627860.9680	1303.75	75.00	2.00	63.0	73.0
PZ44D	3/17/2011	S2/S3	1643603.7984	1627817.1685	1303.38	75.00	2.00	63.0	73.0
PZ45A	7/25/2013	S2/S3	1643605.6002	1628703.7746	1306.68	76.00	1.00	65.0	70.0
PZ45B	7/25/2013	S2/S3	1643759.1020	1628716.0399	1306.81	76.00	1.00	65.0	70.0
PZ46A	7/25/2013	S2/S3	1645547.3525	1630447.8928	1300.75	71.00	1.00	60.0	65.0
PZ46B	7/25/2013	S2/S3	1645682.3903	1630432.8191	1300.26	71.00	1.00	56.0	61.0

Notes:

Top of casing elevations resurveyed in 2010.

The following wells were surveyed and/or resurveyed in October 2013: AMW101D, AMW101I, AMW101S, MW16S4R, MW21S4R, PZ45A, PZ45B, PZ46A, PZ46B, IW45, and IW46.

The following wells were surveyed and/or resurveyed in November 2014: MW146S1, MW147S1, MW147S2/S3, MW148S1, MW148S2/S3, MW149S2/S3, and MW15S1.

[1] ft AMSL - feet above mean sea level

[2] ft BGS - feet below ground surface

[3] IW - interceptor well

[4] NA - not available

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS
NOVEMBER 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Sand Unit*	*Reference Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*
AMW1	S2/S3	1307.77	51.05	1256.72
AMW101D	S2/S3	1306.17	49.19	1256.98
AMW101I	S2/S3	1306.26	49.26	1257.00
AMW101S	S4	1306.31	35.34	1270.97
AMW102D	S1	1310.40	52.97	1257.43
AMW102S	S2/S3	1310.31	52.35	1257.96
AMW104	S1/S2/S3	1306.09	49.12	1256.97
AMW105D	S1/S2	1300.31	44.40	1255.91
AMW105S	S2/S3	1300.10	45.52	1254.58
AMW106D	S1	1307.16	50.62	1256.54
AMW106S	S2/S3	1306.93	50.47	1256.46
AMW107D	S1	1305.66	49.24	1256.42
AMW107S	S2/S3	1305.64	49.30	1256.34
AMW108D	S1	1307.13	50.42	1256.71
AMW108S	S2/S3	1307.34	50.65	1256.69
AMW16D	S1	1308.98	51.44	1257.54
AMW16S	S2/S3	1309.02	51.50	1257.52
AMW3	S1/S2	1308.25	51.36	1256.89
AMW4D	S1	1309.27	51.62	1257.65
AMW4S	S2/S3	1309.17	51.52	1257.65
AMW5D	S1	1307.57	50.80	1256.77
AMW5S	S2/S3	1307.50	50.76	1256.74
AMW8D	S1	1307.74	50.43	1257.31
AMW8S	S2/S3	1307.70	50.37	1257.33
APMW302S1	S1	1307.93	50.29	1257.64
APMW302S2	S2/S3	1307.98	50.38	1257.60
APMW302S3	S2/S3	1307.74	50.13	1257.61
IW29	S1	1309.48	NM[3]	--
IW30	S2/S3	1315.25	NM	--
IW31	S2/S3	1315.47	NM	--
IW32	S2/S3	1313.78	NM	--
IW35A	S2/S3	1309.06	NM	--
IW35B	S2/S3	1309.08	NM	--
IW36	S1	1309.15	NM	--
IW40	S2/S3	1306.77	NM	--
IW41	S2/S3	1303.07	NM	--
IW42	S2/S3	1295.27	NM	--
IW43	S2/S3	1295.27	NM	--
IW44	S2/S3	1295.27	NM	--
IW45	S2/S3	1306.22	NM	--
IW46	S2/S3	1300.26	NM	--
MW02S1	S1	1306.54	57.82	1248.72
MW02S2	S2/S3	1306.93	51.50	1255.43
MW03S1	S1	1306.87	53.56	1253.31
MW04S1	S2/S3	1290.96	32.14	1258.82
MW04S3	S2/S3	1291.18	32.31	1258.87
MW05S3	S2/S3	1302.43	41.24	1261.19
MW05S4	S4	1301.38	NA[4]	--

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS
NOVEMBER 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Sand Unit*	*Reference Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*
MW06BR	BR	1310.35	49.52	1260.83
MW06S1	S1	1310.88	51.26	1259.62
MW06S3	S2/S3	1310.78	49.29	1261.49
MW07S1	S1	1307.52	60.38	1247.14
MW07S2	S2/S3	1306.33	48.97	1257.36
MW07S3	S2/S3	1306.39	49.08	1257.31
MW08S1	S1	1307.44	49.70	1257.74
MW08S2	S2/S3	1307.71	48.90	1258.81
MW08S3	S2/S3	1308.45	48.20	1260.25
MW08S4	S4	1307.51	NA	--
MW09S1	S1	1307.15	59.80	1247.35
MW09S3	S2/S3	1307.04	50.31	1256.73
MW09S4	S4	1308.57	NA	--
MW10S1	S1	1299.25	40.46	1258.79
MW10S2	S2/S3	1298.59	39.47	1259.12
MW10S3	S2/S3	1298.84	39.57	1259.27
MW113S3	S2/S3	1309.26	53.17	1256.09
MW114S1	S1	1308.98	61.52	1247.46
MW11S1	S1	1290.95	29.20	1261.75
MW11S3A	S2/S3	1291.36	30.42	1260.94
MW11S3B	S2/S3	1290.83	30.01	1260.82
MW12S1A	S1	1310.00	62.88	1247.12
MW12S3	S2/S3	1308.26	52.64	1255.62
MW130S1	S1	1284.93	23.86	1261.07
MW130S2	S2/S3	1284.96	23.60	1261.36
MW130S3	S2/S3	1284.89	23.43	1261.46
MW131S2	S2/S3	1281.73	22.52	1259.21
MW131S3	S2/S3	1281.49	22.23	1259.26
MW132S1	S1	1295.75	36.14	1259.61
MW132S2/S3	S2/S3	1295.87	36.08	1259.79
MW133S2/S3	S2/S3	1284.05	25.67	1258.38
MW134S2	S2/S3	1302.31	44.64	1257.67
MW134S3	S2/S3	1302.29	44.56	1257.73
MW135S1	S1	1302.61	45.95	1256.66
MW135S2/S3	S2/S3	1302.62	45.80	1256.82
MW136S2/S3	S2/S3	1287.43	30.92	1256.51
MW137S1	S1	1304.99	49.64	1255.35
MW137S2	S2/S3	1304.93	49.60	1255.33
MW137S3	S2/S3	1304.88	49.44	1255.44
MW138S1	S2/S3	1298.82	43.16	1255.66
MW138S2/S3	S2/S3	1298.83	43.16	1255.67
MW139S2/S3	S2/S3	1299.13	43.50	1255.63
MW13S1	S1	1304.34	48.57	1255.77
MW13S3	S2/S3	1308.01	51.88	1256.13
MW140S1	S1	1304.95	49.78	1255.17
MW140S2/S3	S2/S3	1304.76	49.64	1255.12
MW141S2/S3	S2/S3	1307.86	52.07	1255.79
MW142S2/S3	S2/S3	1297.03	41.92	1255.11

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS
NOVEMBER 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Sand Unit*	*Reference Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*
MW143S2/S3	S2/S3	1300.32	42.70	1257.62
MW144S2/S3	S2/S3	1303.64	46.00	1257.64
MW145S2/S3	S2/S3	1291.12	31.41	1259.71
MW146S1	S1	1306.30	59.79	1246.51
MW147S1	S1	1309.96	54.55	1255.41
MW147S2/S3	S2/S3	1310.11	50.35	1259.76
MW148S1	S1	1309.94	53.82	1256.12
MW148S2/S3	S2/S3	1309.96	50.57	1259.39
MW149S2/S3	S2/S3	1305.53	47.41	1258.12
MW14S1	S1	1310.46	62.38	1248.08
MW14S3	S2/S3	1308.54	52.66	1255.88
MW15S1	S1	1306.48	57.37	1249.11
MW15S2	S2/S3	1305.98	50.45	1255.53
MW15S4	S4	1307.97	35.71	1272.26
MW16BR	BR	1305.07	52.98	1252.09
MW16S1A	S1	1306.67	55.32	1251.35
MW16S2SS	S2/S3	1305.95	49.78	1256.17
MW16S4R	S4	1306.89	36.49	1270.40
MW17S1	S1	1307.16	55.90	1251.26
MW17S3A	S2/S3	1307.31	48.27	1259.04
MW17S3B	S2/S3	1307.08	47.68	1259.40
MW18S1	S1	1308.25	57.91	1250.34
MW18S3	S2/S3	1309.17	49.98	1259.19
MW18S4	S4	1309.20	NA	--
MW19S1	S1	1310.34	59.83	1250.51
MW19S2	S2/S3	1310.26	47.55	1262.71
MW19S3	S2/S3	1310.54	52.02	1258.52
MW19S4	S4	1310.01	32.89	1277.12
MW20S1	S1	1305.81	46.51	1259.30
MW20S3	S2/S3	1305.45	46.69	1258.76
MW21S1	S1	1299.58	43.33	1256.25
MW21S3	S2/S3	1299.26	42.71	1256.55
MW21S4R	S4	1299.99	40.29	1259.70
MW22S1	S1	1304.12	48.77	1255.35
MW22S2	S2/S3	1304.55	49.21	1255.34
MW22S4	S4	1304.16	35.78	1268.38
MW23BR	BR	1309.68	58.50	1251.18
MW24S1	S1	1309.32	62.26	1247.06
MW24S3	S2/S3	1308.22	51.54	1256.68
MW24S4	S4	1308.73	36.84	1271.89
MW25S1	S1	1311.63	53.65	1257.98
MW26S1	S1	1308.74	51.26	1257.48
MW26S3	S2/S3	1308.93	51.37	1257.56
MW27S1	S1	1309.23	58.63	1250.60
MW27S2	S2/S3	1309.49	53.34	1256.15
MW28S1	S1	1309.34	57.13	1252.21
MW28S2	S2/S3	1309.44	52.23	1257.21
MW28S3	S2/S3	1309.51	52.16	1257.35

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS
NOVEMBER 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Well Identifier	*Sand Unit*	*Reference Elevation (ft AMSL)* [1]	*Depth to Water (ft BTOC)* [2]	*Groundwater Elevation (ft AMSL)*
MW29S1	S1	1305.39	58.46	1246.93
MW29S2	S2/S3	1305.46	48.47	1256.99
MW29S3	S2/S3	1306.58	49.40	1257.18
MW30S1	S1	1310.01	54.65	1255.36
MW30S2	S2/S3	1309.96	53.20	1256.76
MW30S3	S2/S3	1310.06	50.32	1259.74
MW31S1	S1	1298.06	37.44	1260.62
MW32S1	S1	1307.09	46.25	1260.84
P-29	S1	1309.30	72.02	1237.28
P30-01	S2/S3	1315.60	61.56	1254.04
P31-01	S2/S3	1316.01	61.29	1254.72
P31-02	S2/S3	1315.94	60.66	1255.28
P32-01	S2/S3	1313.03	57.56	1255.47
P32-02	S2/S3	1313.62	58.31	1255.31
P35-01	S2/S3	1310.41	54.87	1255.54
P35-02	S2/S3	1308.32	52.69	1255.63
P35-03	S2/S3	1308.27	52.14	1256.13
PZ40A	S2/S3	1305.68	49.52	1256.16
PZ40B	S2/S3	1305.36	49.12	1256.24
PZ40C	S2/S3	1305.81	49.65	1256.16
PZ41A	S2/S3	1301.91	46.05	1255.86
PZ41B	S2/S3	1301.74	45.66	1256.08
PZ41C	S2/S3	1303.67	47.42	1256.25
PZ42A	S2/S3	1294.95	36.78	1258.17
PZ42B	S2/S3	1292.30	33.59	1258.71
PZ43A	S2/S3	1306.00	50.80	1255.20
PZ44A	S2/S3	1303.57	48.71	1254.86
PZ44B	S2/S3	1303.93	48.97	1254.96
PZ44C	S2/S3	1303.75	48.70	1255.05
PZ44D	S2/S3	1303.38	48.48	1254.90
PZ45A	S2/S3	1306.68	51.55	1255.13
PZ45B	S2/S3	1306.81	51.55	1255.26
PZ46A	S2/S3	1300.75	45.05	1255.70
PZ46B	S2/S3	1300.26	44.21	1256.05

Notes:

Top of casing reference elevations resurveyed in 2010.

The following wells were surveyed and/or resurveyed in October 2013: AMW101D, AMW101I, AMW101S, MW16S4R, MW21S4R, PZ45A, PZ45B, PZ46A, PZ46B, IW45, and IW46.

The following wells were surveyed and/or resurveyed in November 2014: MW146S1, MW147S1, MW147S2/S3, MW148 MW148S2/S3, MW149S2/S3, and MW15S1.

[1] ft AMSL - feet above mean sea level (2010 reference elevation)

[2] ft BTOC - feet below top of casing

[3] NM - not measured

[4] NA - water level not available due to pump stuck in well, water level below pump, or well was dry

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
AMW105D	11/8/2014 9:20	44.89	45.15	0.26		0.200	7.02	0.511	0.73	2.60	15.03	99.3	Clear	N/A [10]	N [11]
AMW105D	11/8/2014 9:25		45.17	0.28		0.200	7.01	0.510	0.78	1.61	15.14	94.1	Clear	N/A	N
AMW105D	11/8/2014 9:30		45.18	0.29		0.200	7.02	0.511	0.85	1.36	15.21	91.5	Clear	N/A	N
AMW105D	11/8/2014 9:35		45.18	0.29		0.200	6.94	0.511	0.79	1.04	15.24	248.3	Clear	N/A	N
AMW105D	11/8/2014 9:40		45.19	0.30		0.200	7.05	0.510	0.65	0.98	15.27	212.6	Clear	N/A	N
AMW105D	11/8/2014 9:45		45.19	0.30		0.200	7.05	0.510	0.87	0.83	15.24	189.3	Clear	N/A	N
AMW105D	11/8/2014 9:50		45.19	0.30		0.200	7.05	0.511	0.86	0.80	15.28	177.0	Clear	N/A	N
AMW105D	11/8/2014 9:55		45.20	0.31		0.200	7.01	0.508	0.81	0.84	15.16	167.8	Clear	N/A	N
AMW105D	11/8/2014 10:00		45.20	0.31		0.200	7.00	0.508	0.98	0.74	15.08	164.4	Clear	N/A	N
AMW105D	11/8/2014 10:05		45.21	0.32		0.200	6.99	0.507	0.86	0.73	15.08	160.8	Clear	N/A	N
AMW105D	11/8/2014 10:10		45.21	0.32		0.200	7.00	0.507	0.63	0.69	15.13	157.2	Clear	N/A	N
AMW105S	11/8/2014 8:40	44.76	44.77	0.01		0.600	6.63	0.453	1.80	8.83	15.05	125.1	Clear	N/A	N
AMW105S	11/8/2014 8:45		44.77	0.01		0.600	6.70	0.450	1.68	9.05	14.94	114.1	Clear	N/A	N
AMW105S	11/8/2014 8:50		44.77	0.01		0.600	6.74	0.451	1.79	9.10	15.08	106.4	Clear	N/A	N
AMW105S	11/8/2014 8:55		44.77	0.01		0.600	6.77	0.451	1.41	9.20	15.04	103.3	Clear	N/A	N
AMW105S	11/8/2014 9:00		44.77	0.01		0.600	6.78	0.450	1.27	9.30	15.02	102.7	Clear	N/A	N
AMW107D	11/4/2014 15:00	49.20	49.31	0.11		0.450	7.01	0.829	0.35	0.70	14.96	-39.2	Clear	N/A	Y, slight odor
AMW107D	11/4/2014 15:05		49.31	0.11		0.450	7.05	0.833	0.19	0.55	14.95	-40.3	Clear	N/A	Y, slight odor
AMW107D	11/4/2014 15:10		49.31	0.11		0.450	7.05	0.837	0.11	0.47	14.93	-38.9	Clear	N/A	Y, slight odor
AMW107D	11/4/2014 15:15		49.31	0.11		0.450	7.05	0.840	0.13	0.44	14.95	-36.5	Clear	N/A	Y, slight odor
AMW107D	11/4/2014 15:20		49.31	0.11		0.450	7.05	0.841	0.10	0.41	14.96	-33.7	Clear	N/A	Y, slight odor
AMW107S	11/4/2014 15:40	49.23	49.25	0.02		0.500	6.59	0.899	1.46	2.22	14.99	29.9	Clear	N/A	N
AMW107S	11/4/2014 15:45		49.25	0.02		0.500	6.58	0.894	1.01	2.24	14.96	38.7	Clear	N/A	N
AMW107S	11/4/2014 15:50		49.25	0.02		0.500	6.57	0.891	0.72	2.32	14.96	42.1	Clear	N/A	N
AMW107S	11/4/2014 15:55		49.25	0.02		0.500	6.59	0.855	0.63	2.23	14.97	44.9	Clear	N/A	N
								Air bubbles in flow-through cell.							
AMW4D	11/6/2014 9:35	51.68	51.69	0.01		0.500	6.86	0.905	0.21	1.79	15.98	94.1	Clear	N/A	Y
AMW4D	11/6/2014 9:40		51.69	0.01		0.500	6.83	0.910	0.21	0.90	16.02	93.9	Clear	N/A	Y
AMW4D	11/6/2014 9:45		51.69	0.01		0.500	6.84	0.910	0.22	0.70	16.07	93.7	Clear	N/A	Y
AMW4D	11/6/2014 9:50		51.69	0.01		0.500	6.83	0.910	0.20	0.61	16.06	93.6	Clear	N/A	Y
AMW4D	11/6/2014 9:55		51.69	0.01		0.500	6.83	0.911	0.23	0.56	16.11	93.4	Clear	N/A	Y
AMW4D	11/6/2014 10:00		51.69	0.01		0.500	6.83	0.910	0.19	0.51	16.05	93.4	Clear	N/A	Y
AMW4S	11/6/2014 8:45	51.61	51.61	0.00		0.500	6.46	1.121	0.64	5.16	15.82	123.9	Clear	N/A	N
AMW4S	11/6/2014 8:50		51.61	0.00		0.500	6.49	1.119	0.36	4.71	15.84	113.8	Clear	N/A	N
AMW4S	11/6/2014 8:55		51.61	0.00		0.500	6.50	1.117	0.23	4.53	15.83	110.5	Clear	N/A	N
AMW4S	11/6/2014 9:00		51.61	0.00		0.500	6.51	1.116	0.24	4.39	15.85	108.9	Clear	N/A	N
AMW4S	11/6/2014 9:05		51.61	0.00		0.500	6.51	1.116	0.39	4.39	15.83	109.1	Clear	N/A	N
AMW5D	11/6/2014 11:05	50.83	50.89	0.06		0.500	6.65	1.075	0.46	1.01	15.89	-55.4	Clear	N/A	Y
AMW5D	11/6/2014 11:10		50.89	0.06		0.500	6.65	1.079	0.59	0.72	15.95	-66.4	Clear	N/A	Y
AMW5D	11/6/2014 11:15		50.89	0.06		0.500	6.65	1.067	0.69	0.54	15.96	-76.1	Clear	N/A	Y
AMW5D	11/6/2014 11:20		50.89	0.06		0.500	6.67	1.061	0.33	0.43	15.96	-79.4	Clear	N/A	Y
AMW5D	11/6/2014 11:25		50.89	0.06		0.500	6.64	1.059	0.65	0.38	16.03	-82.2	Clear	N/A	Y

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
AMW5D	11/6/2014 11:30		50.89	0.06		0.500	6.65	1.057	0.51	0.35	16.05	-83.7	Clear	N/A	Y
AMW5D	11/6/2014 11:35		50.89	0.06		0.500	6.65	1.057	0.67	0.33	16.08	-84.8	Clear	N/A	Y
AMW5S	11/6/2014 12:10	50.75	50.79	0.04		0.400	6.60	1.156	1.50	5.99	16.19	-74.7	Clear	N/A	Y
AMW5S	11/6/2014 12:15		50.79	0.04		0.400	6.71	1.149	1.54	4.61	16.16	-90.8	Clear	N/A	Y
AMW5S	11/6/2014 12:20		50.79	0.04		0.400	6.70	1.147	1.69	4.19	16.12	-92.9	Clear	N/A	Y
AMW5S	11/6/2014 12:25		50.79	0.04		0.400	6.70	1.147	1.21	3.56	16.14	-93.9	Clear	N/A	Y
AMW5S	11/6/2014 12:30		50.79	0.04		0.400	6.70	1.147	1.70	3.20	16.14	-95.0	Clear	N/A	Y
AMW5S	11/6/2014 12:35		50.79	0.04		0.400	6.70	1.147	1.75	3.01	16.11	-100.4	Clear	N/A	Y
APMW302S1	11/5/2014 9:20	50.36	50.37	0.01		0.350	6.86	0.657	1.48	2.70	14.44	25.9	Clear	N/A	N
APMW302S1	11/5/2014 9:25		50.37	0.01		0.350	6.86	0.654	1.58	2.77	14.45	18.4	Clear	N/A	N
APMW302S1	11/5/2014 9:30		50.37	0.01		0.350	6.86	0.654	1.28	2.79	14.45	13.2	Clear	N/A	N
APMW302S1	11/5/2014 9:35		50.37	0.01		0.350	6.87	0.655	1.29	2.81	14.53	9.9	Clear	N/A	N
APMW302S1	11/5/2014 9:40		50.37	0.01		0.350	6.86	0.654	0.92	2.80	14.50	9.1	Clear	N/A	N
APMW302S2	11/5/2014 10:05	50.46	50.46	0.00		0.400	7.01	0.661	1.56	4.31	14.82	31.8	Clear	N/A	N
APMW302S2	11/5/2014 10:10		50.46	0.00		0.400	7.02	0.661	0.79	4.28	14.88	34.1	Clear	N/A	N
APMW302S2	11/5/2014 10:15		50.46	0.00		0.400	7.05	0.665	0.93	4.20	14.91	34.7	Clear	N/A	N
APMW302S2	11/5/2014 10:20		50.46	0.00		0.400	7.03	0.663	0.74	4.24	14.98	37.2	Clear	N/A	N
APMW302S3	11/6/2014 16:55	50.12	50.15	0.03		0.400	6.99	0.617	1.38	5.45	14.92	53.0	Clear	N/A	N
APMW302S3	11/6/2014 17:00		50.16	0.04		0.400	6.84	0.647	0.68	2.40	14.83	58.1	Clear	N/A	N
APMW302S3	11/6/2014 17:05		50.16	0.04		0.400	6.74	0.649	1.48	1.81	14.80	62.3	Clear	N/A	N
APMW302S3	11/6/2014 17:10		50.16	0.04		0.400	6.79	0.649	2.15	1.63	14.74	59.6	Clear	N/A	N
APMW302S3	11/6/2014 17:15		50.15	0.03		0.250	6.81	0.647	1.68	1.67	14.60	57.8	Clear	N/A	N
APMW302S3	11/6/2014 17:20		50.15	0.03		0.250	6.81	0.647	1.79	1.83	14.49	59.7	Clear	N/A	N
APMW302S3	11/6/2014 17:25		50.15	0.03		0.250	6.83	0.646	1.99	1.70	14.40	60.7	Clear	N/A	N

Decreased pressure on pump controller to eliminate air bubbles in flow-through cell. Pumping rate changed to 0.250 L/min at 17:15.

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW03S1	11/7/2014 14:15	53.53	53.72	0.19		0.500	7.06	0.470	2.13	1.23	16.01	44.0	Clear	N/A	N
MW03S1	11/7/2014 14:20		53.73	0.20		0.500	7.02	0.468	1.59	0.60	15.92	16.6	Clear	N/A	N
MW03S1	11/7/2014 14:25		53.73	0.20		0.500	7.02	0.473	1.37	0.50	15.89	-2.6	Clear	N/A	N
MW03S1	11/7/2014 14:30		53.73	0.20		0.500	7.04	0.482	1.08	0.47	15.88	-23.9	Clear	N/A	N
MW03S1	11/7/2014 14:35		53.73	0.20		0.500	7.05	0.497	1.30	0.44	15.88	-38.9	Clear	N/A	N
MW03S1	11/7/2014 14:40		53.73	0.20		0.500	7.11	0.513	1.01	0.38	15.89	-52.4	Clear	N/A	N
MW03S1	11/7/2014 14:45		53.73	0.20		0.500	7.12	0.516	1.05	0.37	15.88	-62.1	Clear	N/A	N
MW03S1	11/7/2014 14:50		53.73	0.20		0.500	7.13	0.516	1.56	0.36	15.92	-68.5	Clear	N/A	N
MW03S1	11/7/2014 14:55		53.73	0.20		0.500	7.14	0.517	1.46	0.35	15.91	-72.0	Clear	N/A	N
MW07S1	11/5/2014 14:20	60.46	60.66	0.20		0.200	6.72	3.103	7.14	1.53	16.95	50.0	Clear	N/A	Y
MW07S1	11/5/2014 14:25		60.66	0.20		0.200	6.77	2.465	1.75	0.89	16.42	24.7	Clear	N/A	Y
MW07S1	11/5/2014 14:30		60.66	0.20		0.200	6.80	2.428	1.25	0.58	16.41	-12.5	Clear	N/A	Y
MW07S1	11/5/2014 14:35		60.66	0.20		0.200	6.82	2.596	2.51	0.41	16.26	-35.3	Clear	N/A	Y
MW07S1	11/5/2014 14:40		60.66	0.20		0.200	6.81	2.850	8.97	0.35	16.32	-41.4	Clear	N/A	Y
MW07S1	11/5/2014 14:45		60.66	0.20		0.200	6.82	3.025	11.7	0.34	16.31	-43.9	Clear	N/A	Y
MW07S1	11/5/2014 14:50		60.66	0.20		0.200	6.82	3.191	11.6	0.37	16.32	-44.3	Clear	N/A	Y
MW07S1	11/5/2014 14:55		60.66	0.20		0.200	6.81	3.326	11.1	0.36	16.29	-42.1	Clear	N/A	Y
MW07S1	11/5/2014 15:00		60.66	0.20		0.200	6.80	3.430	10.9	0.36	16.44	-43.1	Clear	N/A	Y
MW07S1	11/5/2014 15:05		60.66	0.20		0.200	6.80	3.503	10.7	0.38	16.27	-42.4	Clear	N/A	Y
MW07S2	11/5/2014 15:35	48.97	49.04	0.07		0.500	7.00	0.980	0.97	5.63	15.65	-56.1	Clear	N/A	Y
MW07S2	11/5/2014 15:40		49.04	0.07		0.500	6.91	0.973	0.62	5.57	15.59	-37.1	Clear	N/A	Y
MW07S2	11/5/2014 15:45		49.04	0.07		0.500	6.91	0.971	0.55	5.40	15.55	-20.4	Clear	N/A	Y
MW07S2	11/5/2014 15:50		49.04	0.07		0.500	6.91	0.968	0.56	5.35	15.46	-8.1	Clear	N/A	Y, slight odor
MW07S2	11/5/2014 15:55		49.04	0.07		0.500	6.91	0.968	0.70	5.30	15.46	0.4	Clear	N/A	Y, slight odor
MW07S2	11/5/2014 16:00		49.04	0.07		0.500	6.92	0.967	0.64	5.31	15.43	4.7	Clear	N/A	Y, slight odor
MW07S3	11/5/2014 16:20	49.11	49.11	0.00		0.500	6.89	1.002	0.66	7.13	15.16	37.2	Clear	N/A	N
MW07S3	11/5/2014 16:25		49.11	0.00		0.500	6.87	1.000	0.68	7.02	15.16	40.8	Clear	N/A	N
MW07S3	11/5/2014 16:30		49.11	0.00		0.500	6.88	1.000	0.63	6.98	15.13	43.8	Clear	N/A	N
MW07S3	11/5/2014 16:35		49.11	0.00		0.500	6.88	1.000	0.57	6.92	15.14	47.0	Clear	N/A	N
MW08S1	11/5/2014 14:35	49.88	49.88	0.00		0.375	7.33	4.527	15.9	12.04	15.42	151.8	Clear	N/A	N
MW08S1	11/5/2014 14:40		49.88	0.00		0.375	6.81	5.097	11.1	1.87	15.21	-15.5	Clear	N/A	N
MW08S1	11/5/2014 14:45		49.88	0.00		0.375	6.80	4.905	7.3	1.90	15.23	-8.9	Clear	N/A	N
MW08S1	11/5/2014 14:50		49.88	0.00		0.375	6.75	4.579	5.4	1.92	15.26	2.9	Clear	N/A	N
MW08S1	11/5/2014 14:55		49.88	0.00		0.375	6.76	4.488	6.2	1.92	15.22	12.4	Clear	N/A	N
MW08S1	11/5/2014 15:00		49.88	0.00		0.375	6.75	4.432	7.3	1.88	15.23	18.9	Clear	N/A	N
MW08S1	11/5/2014 15:05		49.88	0.00		0.375	6.74	4.423	6.8	1.95	15.26	23.4	Clear	N/A	N
MW08S1	11/5/2014 15:10		49.88	0.00		0.375	6.74	4.423	6.8	1.95	15.26	20.8	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW08S2	11/5/2014 15:45	49.10	50.71	1.61		0.400	7.09	2.552	381	5.14	15.73	2.6	Turbid	N/A	N
MW08S2	11/5/2014 15:50		50.68	1.58		0.400	6.75	2.507	305	3.11	15.41	11.5	Turbid	N/A	N
MW08S2	11/5/2014 15:55		50.54	1.44		0.400	6.67	2.482	176	1.88	15.15	27.9	Turbid	N/A	N
MW08S2	11/5/2014 16:00		50.44	1.34		0.400	6.67	2.481	165	1.97	15.17	37.0	Turbid	N/A	N
MW08S2	11/5/2014 16:05		50.43	1.33		0.400	6.64	2.479	177	2.41	15.13	43.1	Turbid	N/A	N
MW08S2	11/5/2014 16:10		50.20	1.10		0.400	6.66	2.473	251	3.95	15.13	55.4	Turbid	Orange	N
MW08S2	11/5/2014 16:15		50.08	0.98		0.400	6.67	2.468	367	4.62	15.11	51.2	Turbid	Orange	N
MW08S2	11/5/2014 16:20		49.13	0.03		0.400	6.66	2.464	336	5.24	15.09	55.6	Turbid	Orange	N
MW08S2	11/5/2014 16:25		49.11	0.01		0.400	6.66	2.463	312	5.43	15.08	58.4	Turbid	Orange	N
MW08S2	11/5/2014 16:30		49.10	0.00		0.400	6.66	2.460	307	5.61	15.06	61.3	Turbid	Orange	N
MW08S2	11/5/2014 16:35		49.10	0.00		0.400	6.66	2.459	310	5.83	15.04	68.9	Turbid	Orange	N
MW08S2	11/5/2014 16:40		49.10	0.00		0.400	6.66	2.459	311	6.12	15.04	68.9	Turbid	Orange	N
MW08S2	11/5/2014 16:45		49.10	0.00		0.400	6.66	2.457	309	6.14	15.03	71.1	Turbid	Orange	N
MW08S3	11/5/2014 13:30	48.45	48.45	0.00		0.450	7.63	2.218	55.3	9.50	17.47	132.3	Clear	N/A	N
MW08S3	11/5/2014 13:35		48.45	0.00		0.450	7.40	2.247	39.4	9.50	16.04	121.9	Clear	N/A	N
MW08S3	11/5/2014 13:40		48.45	0.00		0.450	7.29	2.247	27.3	8.71	15.76	123.5	Clear	N/A	N
MW08S3	11/5/2014 13:45		48.45	0.00		0.450	7.11	2.247	19.9	7.39	15.39	124.3	Clear	N/A	N
MW08S3	11/5/2014 13:50		48.45	0.00		0.450	7.00	2.240	14.7	6.44	15.21	126.7	Clear	N/A	N
MW08S3	11/5/2014 13:55		48.45	0.00		0.450	6.67	2.231	5.6	5.03	15.23	128.5	Clear	N/A	N
MW08S3	11/5/2014 14:00		48.45	0.00		0.450	6.67	2.217	7.1	5.19	15.20	130.7	Clear	N/A	N
MW08S3	11/5/2014 14:05		48.45	0.00		0.450	6.68	2.208	7.5	5.29	15.20	132.6	Clear	N/A	N
MW08S3	11/5/2014 14:10		48.45	0.00		0.450	6.68	2.202	7.0	5.31	15.19	133.7	Clear	N/A	N
MW08S3	11/5/2014 14:15		48.45	0.00		0.450	6.68	2.199	6.3	5.40	15.16	135.9	Clear	N/A	N
MW09S1	11/9/2014 13:40	59.65	59.75	0.10		0.350	6.94	1.622	0.72	1.38	16.44	-42.8	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 13:45		59.76	0.11		0.350	6.80	1.608	0.22	0.67	16.11	-66.4	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 13:50		59.76	0.11		0.350	6.81	1.667	0.20	0.51	16.19	-70.1	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 13:55		59.77	0.12		0.350	6.82	1.679	0.17	0.47	16.16	-71.6	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 14:00		59.77	0.12		0.350	6.81	1.686	0.19	0.43	16.14	-72.0	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 14:05		59.77	0.12		0.350	6.80	1.691	0.16	0.40	16.11	-72.5	Clear	N/A	Y, strong odor
MW09S1	11/9/2014 14:10		59.77	0.12		0.350	6.82	1.704	0.17	0.39	16.17	-74.0	Clear	N/A	Y, strong odor
									Strong sulfur odor.						
MW09S3	11/9/2014 13:35	50.13	50.18	0.05		0.400	7.06	0.892	1.75	0.83	16.13	136.5	Clear	N/A	N
MW09S3	11/9/2014 13:40		50.18	0.05		0.400	6.68	0.898	0.96	0.66	15.99	134.9	Clear	N/A	N
MW09S3	11/9/2014 13:45		50.18	0.05		0.400	6.61	0.890	0.91	0.68	15.93	131.9	Clear	N/A	N
MW09S3	11/9/2014 13:50		50.18	0.05		0.400	6.61	0.887	0.78	0.69	15.99	127.8	Clear	N/A	N
MW09S3	11/9/2014 13:55		50.18	0.05		0.400	6.64	0.885	0.78	0.70	15.98	126.2	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW10S1	11/7/2014 9:40	39.50	39.50	0.00		0.400	6.90	1.135	5.92	5.51	15.70	122.2	Clear	N/A	N
MW10S1	11/7/2014 9:45		39.50	0.00		0.400	6.91	1.131	6.20	4.70	15.82	119.7	Clear	N/A	N
MW10S1	11/7/2014 9:50		39.50	0.00		0.400	6.91	1.135	5.20	4.31	15.86	106.7	Clear	N/A	N
MW10S1	11/7/2014 9:55		39.50	0.00		0.400	6.90	1.142	4.37	3.82	15.92	93.2	Clear	N/A	N
MW10S1	11/7/2014 10:00		39.50	0.00		0.400	6.90	1.153	5.02	3.05	15.94	81.7	Clear	N/A	N
MW10S1	11/7/2014 10:05		39.50	0.00		0.400	6.90	1.159	3.66	2.71	15.98	80.0	Clear	N/A	N
MW10S1	11/7/2014 10:10		39.50	0.00		0.400	6.91	1.171	4.86	1.98	16.01	79.3	Clear	N/A	N
MW10S1	11/7/2014 10:15		39.50	0.00		0.400	6.90	1.175	5.02	1.61	16.03	79.1	Clear	N/A	N
MW10S1	11/7/2014 10:20		39.50	0.00		0.400	6.91	1.179	4.31	1.53	16.05	78.7	Clear	N/A	N
MW10S2	11/7/2014 8:50	39.65	39.65	0.00		0.600	5.91	0.923	72.1	5.37	15.65	176.3	Slightly Cloudy	N/A	N
MW10S2	11/7/2014 8:55		39.65	0.00		0.600	6.24	0.928	55.9	5.55	15.71	145.9	Slightly Cloudy	N/A	N
MW10S2	11/7/2014 9:00		39.65	0.00		0.600	6.62	0.940	17.9	5.65	15.83	128.8	Clear	N/A	N
MW10S2	11/7/2014 9:05		39.65	0.00		0.600	6.68	0.940	11.6	5.70	15.81	112.6	Clear	N/A	N
MW10S2	11/7/2014 9:10		39.65	0.00		0.600	6.70	0.939	8.93	5.71	15.85	109.0	Clear	N/A	N
MW10S2	11/7/2014 9:15		39.65	0.00		0.600	6.71	0.941	7.23	5.77	15.88	105.5	Clear	N/A	N
MW10S3	11/7/2014 10:50	39.65	39.80	0.15		0.300	6.43	0.301	2.36	0.66	16.33	15.0	Clear	Yellow	Y
MW10S3	11/7/2014 10:55		40.06	0.41		0.300	6.41	0.293	1.88	0.41	16.40	-1.6	Clear	Yellow	Y
MW10S3	11/7/2014 11:00		40.47	0.82		0.300	6.40	0.281	1.29	0.27	16.48	-38.1	Clear	Yellow	Y
MW10S3	11/7/2014 11:05		40.62	0.97		0.300	6.42	0.280	1.77	0.22	16.48	-48.3	Clear	Yellow	Y
MW10S3	11/7/2014 11:10		40.76	1.11		0.300	6.41	0.280	1.43	0.20	16.50	-48.9	Clear	Yellow	Y
MW10S3	11/7/2014 11:15		40.85	1.20		0.300	6.41	0.279	1.21	0.19	16.51	-50.2	Clear	Yellow	Y
MW11S1	11/4/2014 10:20	29.36	29.36	0.00		0.400	7.12	1.886	149.2	4.96	15.02	188.3	Clear	N/A	N
MW11S1	11/4/2014 10:25		29.36	0.00		0.400	7.11	1.924	89.8	1.49	15.08	158.4	Clear	N/A	N
MW11S1	11/4/2014 10:30		29.36	0.00		0.400	7.11	1.755	62.9	0.39	15.12	152.2	Clear	N/A	N
MW11S1	11/4/2014 10:35		29.36	0.00		0.400	7.10	1.699	19.3	0.32	15.17	148.7	Clear	N/A	N
MW11S1	11/4/2014 10:40		29.36	0.00		0.400	7.09	1.689	8.95	0.34	15.18	147.4	Clear	N/A	N
MW11S1	11/4/2014 10:45		29.36	0.00		0.400	7.09	1.684	9.32	0.36	15.16	145.2	Clear	N/A	N
MW11S3A	11/4/2014 11:05	30.46	30.46	0.00		0.450	6.94	0.939	9.58	1.42	15.34	158.0	Clear	N/A	N
MW11S3A	11/4/2014 11:10		30.46	0.00		0.450	6.77	0.941	9.21	0.82	15.36	157.7	Clear	N/A	N
MW11S3A	11/4/2014 11:15		30.46	0.00		0.450	6.70	0.941	7.65	0.54	15.36	157.3	Clear	N/A	N
MW11S3A	11/4/2014 11:20		30.46	0.00		0.450	6.68	0.941	8.65	0.51	15.35	157.1	Clear	N/A	N
MW12S1A	11/11/2014 10:50	56.94	56.94	0.00		0.500	6.72	3.006	0.39	2.87	15.03	26.8	Clear	N/A	Y, strong odor
MW12S1A	11/11/2014 10:55		56.94	0.00		0.500	6.78	2.875	0.32	2.59	15.05	28.6	Clear	N/A	Y, strong odor
MW12S1A	11/11/2014 11:00		56.94	0.00		0.500	6.80	2.878	0.21	2.59	14.94	32.9	Clear	N/A	Y, strong odor
MW12S1A	11/11/2014 11:05		56.94	0.00		0.500	6.76	2.880	0.36	2.45	15.06	36.4	Clear	N/A	Y, strong odor
MW12S1A	11/11/2014 11:10		56.94	0.00		0.500	6.75	2.806	0.18	2.49	15.04	38.2	Clear	N/A	Y, strong odor

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW12S3	11/11/2014 10:35	52.87	52.89	0.02		0.600	6.63	1.000	258	2.57	15.03	91.3	Turbid	Black	Y
MW12S3	11/11/2014 10:40		52.89	0.02		0.600	6.96	0.996	196	2.95	15.20	77.5	Turbid	Black	Y
MW12S3	11/11/2014 10:45		52.89	0.02		0.600	6.82	0.997	158	2.43	15.19	73.8	Turbid	Black	Y
MW12S3	11/11/2014 10:50		52.89	0.02		0.600	7.04	0.981	132	2.71	15.46	72.2	Turbid	Black	Y
MW12S3	11/11/2014 10:55		52.89	0.02		0.600	6.93	0.982	107	2.82	15.76	73.7	Turbid	Black	Y
MW12S3	11/11/2014 11:00		52.89	0.02		0.600	6.98	0.987	85.5	2.37	15.56	74.3	Turbid	Black	Y
MW12S3	11/11/2014 11:05		52.89	0.02		0.600	6.84	0.986	79.0	3.10	15.83	76.1	Slightly Cloudy	N/A	Y
MW12S3	11/11/2014 11:10		52.89	0.02		0.600	6.97	0.988	43.1	3.35	15.98	77.1	Slightly Cloudy	N/A	Y
MW12S3	11/11/2014 11:15		52.89	0.02		0.600	6.93	0.993	20.3	3.25	15.74	77.6	Clear	N/A	Y
MW12S3	11/11/2014 11:20		52.89	0.02		0.600	6.83	0.990	12.2	3.31	15.72	78.7	Clear	N/A	Y
MW12S3	11/11/2014 11:25		52.89	0.02		0.600	6.79	0.989	8.5	3.34	15.63	79.2	Clear	N/A	Y
MW132S1	11/5/2014 9:25	36.08	36.08	0.00		0.400	6.36	0.888	23.9	4.15	14.82	145.0	Clear	N/A	N
MW132S1	11/5/2014 9:30		36.08	0.00		0.400	6.67	0.872	19.3	1.09	15.07	127.5	Clear	N/A	N
MW132S1	11/5/2014 9:35		36.08	0.00		0.400	6.82	0.871	7.3	0.58	15.13	118.7	Clear	N/A	N
MW132S1	11/5/2014 9:40		36.08	0.00		0.400	6.87	0.872	6.1	0.45	15.12	116.4	Clear	N/A	N
MW132S1	11/5/2014 9:45		36.08	0.00		0.400	6.90	0.871	7.6	0.40	15.12	115.2	Clear	N/A	N
MW132S2/S3	11/5/2014 10:05	36.00	36.00	0.00		0.400	7.23	0.568	31.6	8.93	15.12	144.3	Clear	N/A	N
MW132S2/S3	11/5/2014 10:10		36.00	0.00		0.400	6.53	0.500	26.3	7.22	15.17	144.0	Clear	N/A	N
MW132S2/S3	11/5/2014 10:15		36.00	0.00		0.400	6.55	0.503	20.4	7.19	15.16	144.2	Clear	N/A	N
MW132S2/S3	11/5/2014 10:20		36.00	0.00		0.400	6.56	0.510	11.9	7.16	15.15	144.4	Clear	N/A	N
MW132S2/S3	11/5/2014 10:25		36.00	0.00		0.400	6.62	0.516	8.7	7.04	15.20	144.7	Clear	N/A	N
MW132S2/S3	11/5/2014 10:30		36.00	0.00		0.400	6.60	0.518	6.1	6.94	15.21	146.5	Clear	N/A	N
MW132S2/S3	11/5/2014 10:35		36.00	0.00		0.400	6.60	0.520	6.8	6.89	15.22	147.0	Clear	N/A	N
MW133S2/S3	11/4/2014 9:25	25.58	25.58	0.00		0.450	6.55	0.688	2.93	7.06	14.79	150.4	Clear	N/A	N
MW133S2/S3	11/4/2014 9:30		25.58	0.00		0.450	6.25	0.662	3.19	6.21	14.72	147.0	Clear	N/A	N
MW133S2/S3	11/4/2014 9:35		25.58	0.00		0.450	6.92	0.658	2.33	5.94	14.74	150.2	Clear	N/A	N
MW133S2/S3	11/4/2014 9:40		25.58	0.00		0.450	6.94	0.663	1.49	5.58	14.78	158.5	Clear	N/A	N
MW133S2/S3	11/4/2014 9:45		25.58	0.00		0.450	6.94	0.665	2.05	5.47	14.73	161.3	Clear	N/A	N
								Few air bubbles in flow-through cell.							
MW137S2	11/8/2014 14:10	49.63	52.15	2.52		0.220	7.19	0.579	3.66	1.40	15.15	112.1	Clear	N/A	N
MW137S2	11/8/2014 14:15		53.40	3.77		0.200	7.08	0.574	2.49	1.80	15.16	71.9	Clear	N/A	N
MW137S2	11/8/2014 14:20		54.50	4.87		0.200	7.01	0.567	2.46	2.24	15.19	63.6	Clear	N/A	N
MW137S2	11/8/2014 14:25		56.00	6.37		0.450	7.00	0.567	3.70	2.13	15.22	63.0	Clear	N/A	N
MW137S2	11/8/2014 14:30		58.15	8.52		0.500	7.01	0.567	5.75	2.03	15.27	59.5	Clear	N/A	N
MW137S2	11/8/2014 14:35		60.60	10.97		0.500	7.00	0.566	8.34	2.09	15.26	57.6	Clear	N/A	N

11/8/2014: Due to excessive drawdown, increased pumping rate to purge well dry. New pumping rate not drawing water level down fast enough, will return with whale pump tomorrow.
11/9/2014: Purged well dry with whale pump. Will collect sample upon 90% water level recovery.
11/10/2014: Water level recovered within 90%. Collect grab sample.

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW137S3	11/8/2014 15:25	49.60	49.60	0.00		0.600	6.73	0.709	2.05	8.19	15.19	50.7	Clear	N/A	N
MW137S3	11/8/2014 15:30		49.60	0.00		0.600	6.72	0.709	1.22	8.23	15.18	56.6	Clear	N/A	N
MW137S3	11/8/2014 15:35		49.60	0.00		0.600	6.73	0.701	0.99	8.22	15.17	60.8	Clear	N/A	N
MW137S3	11/8/2014 15:40		49.60	0.00		0.600	6.75	0.695	1.08	8.23	15.16	64.5	Clear	N/A	N
								Air bubbles in flow-through cell.							
MW138S1	11/7/2014 13:40	43.13	43.13	0.00		0.425	7.01	0.639	2.52	1.58	15.42	48.7	Clear	N/A	N
MW138S1	11/7/2014 13:45		43.13	0.00		0.425	6.99	0.638	2.35	1.48	15.43	47.0	Clear	N/A	N
MW138S1	11/7/2014 13:50		43.13	0.00		0.425	7.02	0.637	1.62	1.42	15.47	42.7	Clear	N/A	N
MW138S1	11/7/2014 13:55		43.13	0.00		0.425	7.03	0.636	1.52	1.40	15.51	39.9	Clear	N/A	N
MW138S2/S3	11/7/2014 13:00	43.13	43.13	0.00		0.600	7.07	0.760	1.25	6.54	15.32	26.5	Clear	N/A	N
MW138S2/S3	11/7/2014 13:05		43.13	0.00		0.600	6.76	0.779	1.36	5.56	15.13	27.9	Clear	N/A	N
MW138S2/S3	11/7/2014 13:10		43.13	0.00		0.600	6.79	0.780	1.21	5.38	15.07	29.1	Clear	N/A	N
MW138S2/S3	11/7/2014 13:15		43.13	0.00		0.600	6.81	0.779	1.11	5.37	15.04	32.8	Clear	N/A	N
MW138S2/S3	11/7/2014 13:20		43.13	0.00		0.600	6.80	0.779	1.28	5.33	15.06	33.3	Clear	N/A	N
MW13S1	11/7/2014 12:00	48.88	51.44	2.56		0.250	7.16	0.740	8.17	2.52	16.46	71.3	Clear	N/A	N
MW13S1	11/7/2014 12:05		51.56	2.68		0.250	7.12	0.749	10.9	1.68	16.72	70.7	Clear	N/A	N
MW13S1	11/7/2014 12:10		51.57	2.69		0.250	7.12	0.754	11.6	1.51	16.95	69.9	Clear	N/A	N
MW13S1	11/7/2014 12:15		51.51	2.63		0.250	7.11	0.759	9.89	1.42	17.10	69.7	Clear	N/A	N
MW13S1	11/7/2014 12:20		51.53	2.65		0.250	7.12	0.764	7.82	1.43	17.23	69.1	Clear	N/A	N
MW13S1	11/7/2014 12:25		51.51	2.63		0.250	7.11	0.766	7.09	1.39	17.31	69.0	Clear	N/A	N
MW13S3	11/7/2014 10:40	51.87	51.87	0.00		0.500	6.66	0.647	0.57	8.58	15.65	65.3	Clear	N/A	N
MW13S3	11/7/2014 10:45		51.87	0.00		0.500	6.64	0.643	0.66	8.83	15.64	68.4	Clear	N/A	N
MW13S3	11/7/2014 10:50		51.87	0.00		0.500	6.64	0.644	0.38	9.08	15.76	72.0	Clear	N/A	N
MW13S3	11/7/2014 10:55		51.87	0.00		0.500	6.62	0.643	0.82	8.98	15.80	75.3	Clear	N/A	N
MW140S1	11/10/2014 11:20	49.23	49.39	0.16		0.400	7.21	0.558	2.06	1.03	16.45	103.6	Clear	N/A	N
MW140S1	11/10/2014 11:25		49.40	0.17		0.400	7.22	0.558	3.29	0.51	16.48	55.7	Clear	N/A	N
MW140S1	11/10/2014 11:30		49.40	0.17		0.400	7.22	0.558	4.68	0.44	16.50	45.4	Clear	N/A	N
MW140S1	11/10/2014 11:35		49.40	0.17		0.400	7.22	0.559	4.97	0.39	16.52	34.4	Clear	N/A	N
MW140S1	11/10/2014 11:40		49.40	0.17		0.400	7.22	0.559	4.56	0.35	16.52	26.6	Clear	N/A	N
MW140S1	11/10/2014 11:45		49.40	0.17		0.400	7.21	0.559	4.63	0.33	16.50	21.1	Clear	N/A	N
MW140S1	11/10/2014 11:50		49.40	0.17		0.400	7.21	0.559	4.38	0.33	16.54	15.8	Clear	N/A	N
MW140S1	11/10/2014 11:55		49.40	0.17		0.400	7.21	0.559	4.34	0.30	16.56	11.9	Clear	N/A	N
MW140S2/S3	11/10/2014 12:05	49.33	49.33	0.00		0.550	6.43	1.616	5.05	6.46	15.81	132.2	Clear	N/A	N
MW140S2/S3	11/10/2014 12:10		49.33	0.00		0.550	6.40	1.991	3.75	5.90	15.68	131.9	Clear	N/A	N
MW140S2/S3	11/10/2014 12:15		49.33	0.00		0.550	6.45	2.029	2.72	5.67	15.67	130.6	Clear	N/A	N
MW140S2/S3	11/10/2014 12:20		49.33	0.00		0.550	6.43	2.038	2.51	5.63	15.65	131.4	Clear	N/A	N
MW140S2/S3	11/10/2014 12:25		49.33	0.00		0.550	6.32	2.060	2.24	5.63	15.66	132.2	Clear	N/A	N
MW140S2/S3	11/10/2014 12:30		49.33	0.00		0.550	6.44	2.058	1.58	5.66	15.68	132.9	Clear	N/A	N
MW140S2/S3	11/10/2014 12:35		49.33	0.00		0.550	6.44	2.061	1.06	5.65	15.69	133.1	Clear	N/A	N
								Air bubbles in flow-through cell.							

TABLE 4

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FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW141S2/S3	11/10/2014 9:55	51.59	51.59	0.00		0.450	6.64	0.385	4.10	5.75	15.59	170.0	Clear	N/A	N
MW141S2/S3	11/10/2014 10:00		51.59	0.00		0.450	6.55	0.384	13.5	5.81	15.48	165.7	Clear	N/A	N
MW141S2/S3	11/10/2014 10:05		51.59	0.00		0.450	6.62	0.385	9.68	5.81	15.49	160.3	Clear	N/A	N
MW141S2/S3	11/10/2014 10:10		51.59	0.00		0.450	6.58	0.385	7.53	5.82	15.57	167.2	Clear	N/A	N
MW141S2/S3	11/10/2014 10:15		51.59	0.00		0.450	6.71	0.386	5.93	5.91	15.58	162.4	Clear	N/A	N
MW141S2/S3	11/10/2014 10:20		51.59	0.00		0.450	6.73	0.386	5.22	5.88	15.59	167.3	Clear	N/A	N
MW141S2/S3	11/10/2014 10:25		51.59	0.00		0.450	6.72	0.386	4.54	5.92	15.64	166.4	Clear	N/A	N
MW142S2/S3	11/8/2014 10:45	42.08	42.20	0.12		0.550	6.92	0.454	15.1	2.12	15.95	145.3	Clear	N/A	N
MW142S2/S3	11/8/2014 10:50		42.20	0.12		0.550	6.87	0.456	17.6	1.82	16.02	145.5	Slightly Cloudy	N/A	N
MW142S2/S3	11/8/2014 10:55		42.20	0.12		0.550	6.90	0.458	17.9	1.65	15.98	144.9	Slightly Cloudy	N/A	N
MW142S2/S3	11/8/2014 11:00		42.20	0.12		0.550	6.89	0.457	17.0	1.58	15.99	143.9	Slightly Cloudy	N/A	N
MW142S2/S3	11/8/2014 11:05		42.20	0.12		0.550	6.86	0.457	16.3	1.56	15.97	141.8	Clear	N/A	N
MW142S2/S3	11/8/2014 11:10		42.20	0.12		0.550	6.86	0.456	16.3	1.61	15.93	139.8	Clear	N/A	N
MW143S2/S3	11/5/2014 11:00	43.02	43.02	0.00		0.500	6.45	1.075	49.3	9.45	15.40	171.6	Clear	N/A	N
MW143S2/S3	11/5/2014 11:05		43.02	0.00		0.500	6.89	1.205	22.6	3.63	15.46	192.4	Clear	N/A	N
MW143S2/S3	11/5/2014 11:10		43.02	0.00		0.500	6.74	1.505	20.3	3.03	15.48	187.6	Clear	N/A	N
MW143S2/S3	11/5/2014 11:15		43.02	0.00		0.500	6.75	1.542	17.8	2.94	15.53	180.9	Clear	N/A	N
MW143S2/S3	11/5/2014 11:20		43.02	0.00		0.500	6.76	1.550	15.1	2.90	15.54	176.6	Clear	N/A	N
MW143S2/S3	11/5/2014 11:25		43.02	0.00		0.500	6.78	1.542	10.4	2.80	15.55	171.4	Clear	N/A	N
MW144S2/S3	11/4/2014 16:45	46.05	46.05	0.00		0.400	7.22	0.685	32.6	7.55	14.80	127.4	Clear	N/A	N
MW144S2/S3	11/4/2014 16:50		46.05	0.00		0.400	7.15	0.671	148	7.19	14.75	130.5	Cloudy	N/A	N
MW144S2/S3	11/4/2014 16:55		46.05	0.00		0.400	7.03	0.670	68.5	6.88	14.73	133.9	Slightly Cloudy	N/A	N
MW144S2/S3	11/4/2014 17:00		46.05	0.00		0.400	6.85	0.667	23.0	6.41	14.71	137.3	Slightly Cloudy	N/A	N
MW144S2/S3	11/4/2014 17:05		46.05	0.00		0.400	6.84	0.667	18.9	6.31	14.68	141.1	Clear	N/A	N
MW144S2/S3	11/4/2014 17:10		46.05	0.00		0.400	6.83	0.666	15.7	6.20	14.65	147.3	Clear	N/A	N
MW144S2/S3	11/4/2014 17:15		46.05	0.00		0.400	6.82	0.666	12.9	6.05	14.60	150.6	Clear	N/A	N
MW144S2/S3	11/4/2014 17:20		46.05	0.00		0.400	6.83	0.665	9.6	5.91	14.58	152.3	Clear	N/A	N
MW145S2/S3	11/4/2014 15:25	32.10	32.10	0.00		0.400	6.77	1.312	90.8	6.12	14.72	97.7	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:30		32.10	0.00		0.400	6.76	1.301	89.7	6.01	14.66	100.1	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:35		32.10	0.00		0.400	6.64	1.307	82.5	5.47	14.59	105.3	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:40		32.10	0.00		0.400	6.42	1.310	71.8	5.01	14.64	104.4	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:45		32.10	0.00		0.400	6.60	1.309	65.6	4.65	14.59	108.9	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:50		32.10	0.00		0.400	6.61	1.314	41.3	4.71	14.57	112.6	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 15:55		32.11	0.01		0.400	6.62	1.320	29.9	4.77	14.46	115.4	Slightly Cloudy	N/A	N
MW145S2/S3	11/4/2014 16:00		32.11	0.01		0.400	6.63	1.325	11.54	4.89	14.50	119.7	Clear	N/A	N
MW145S2/S3	11/4/2014 16:05		32.11	0.01		0.400	6.64	1.328	10.23	5.09	14.58	120.4	Clear	N/A	N
MW145S2/S3	11/4/2014 16:10		32.11	0.01		0.400	6.66	1.330	9.07	5.02	14.57	122.2	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW146S1	11/9/2014 15:05	59.70	59.72	0.02		0.350	6.88	0.673	2.07	4.34	16.20	49.2	Clear	N/A	N
MW146S1	11/9/2014 15:10		59.72	0.02		0.350	6.80	0.664	3.37	2.26	15.96	51.7	Clear	N/A	N
MW146S1	11/9/2014 15:15		59.72	0.02		0.350	6.82	0.664	8.58	1.19	15.99	47.9	Clear	N/A	N
MW146S1	11/9/2014 15:20		59.72	0.02		0.350	6.84	0.666	13.7	0.83	15.97	38.4	Clear	N/A	N
MW146S1	11/9/2014 15:25		59.72	0.02		0.350	6.84	0.665	11.9	0.75	15.91	30.1	Clear	N/A	N
MW146S1	11/9/2014 15:30		59.72	0.02		0.350	6.82	0.664	11.1	0.67	15.90	21.8	Clear	N/A	N
MW146S1	11/9/2014 15:35		59.72	0.02		0.350	6.86	0.664	9.34	0.63	15.90	7.7	Clear	N/A	N
MW146S1	11/9/2014 15:40		59.72	0.02		0.350	6.84	0.663	7.95	0.59	15.87	-0.3	Clear	N/A	N
MW146S1	11/9/2014 15:45		59.72	0.02		0.350	6.87	0.661	7.11	0.58	15.87	-4.8	Clear	N/A	N
MW147S1	11/9/2014 9:50	54.85	56.89	2.04		0.200	6.38	1.007	3.62	3.84	16.17	165.6	Clear	N/A	N
MW147S1	11/9/2014 9:55		56.72	1.87		0.200	6.64	1.009	4.62	2.70	16.36	151.7	Clear	N/A	N
MW147S1	11/9/2014 10:00		56.80	1.95		0.250	6.89	1.009	4.54	1.58	16.61	139.9	Clear	N/A	N
MW147S1	11/9/2014 10:05		56.80	1.95		0.200	6.95	1.009	4.64	1.36	16.65	137.4	Clear	N/A	N
MW147S1	11/9/2014 10:10		56.69	1.84		0.200	6.98	1.009	3.89	1.13	16.83	134.0	Clear	N/A	N
MW147S1	11/9/2014 10:15		56.80	1.95		0.225	6.95	1.009	4.18	0.96	16.63	140.1	Clear	N/A	N
MW147S1	11/9/2014 10:20		56.85	2.00		0.225	6.92	1.008	3.98	0.84	16.65	139.4	Clear	N/A	N
MW147S1	11/9/2014 10:25		56.90	2.05		0.225	6.98	1.008	3.54	0.80	16.80	134.7	Clear	N/A	N
MW147S1	11/9/2014 10:30		56.98	2.13		0.225	7.00	1.008	3.68	0.78	16.83	133.8	Clear	N/A	N
MW147S2/S3	11/9/2014 9:50	--[12]	--	--		0.200	7.52	0.803	7.33	6.18	16.01	136.8	Clear	N/A	N
MW147S2/S3	11/9/2014 9:55		--	--		0.200	7.44	0.804	4.71	4.67	16.10	128.8	Clear	N/A	N
MW147S2/S3	11/9/2014 10:00		--	--		0.200	7.40	0.801	2.86	4.43	16.11	124.9	Clear	N/A	N
MW147S2/S3	11/9/2014 10:05		--	--		0.200	7.32	0.797	2.16	4.50	16.24	122.4	Clear	N/A	N
MW147S2/S3	11/9/2014 10:10		--	--		0.200	7.30	0.796	2.09	4.46	16.43	119.4	Clear	N/A	N
MW147S2/S3	11/9/2014 10:15		--	--		0.200	7.26	0.794	1.81	4.63	16.46	118.4	Clear	N/A	N
						Water level below top of pump. Top of pump at 49.74 ft BTOC; during initial round of water levels, depth to water at 50.30 ft BTOC.									
MW148S1	11/9/2014 11:00	54.02	54.02	0.00		0.600	--	2.507	33.7	3.97	16.37	171.8	Clear	N/A	N
MW148S1	11/9/2014 11:05		54.02	0.00		0.600	6.96	3.368	33.4	4.33	16.38	158.4	Clear	N/A	N
MW148S1	11/9/2014 11:10		54.02	0.00		0.600	6.73	3.499	37.5	4.67	16.33	149.3	Slightly Cloudy	N/A	N
MW148S1	11/9/2014 11:15		54.02	0.00		0.600	6.69	3.505	40.6	4.73	16.34	145.1	Slightly Cloudy	N/A	N
MW148S1	11/9/2014 11:20		54.02	0.00		0.600	6.69	3.514	41.1	4.79	16.32	141.3	Slightly Cloudy	N/A	N
MW148S1	11/9/2014 11:25		54.02	0.00		0.600	6.68	3.514	31.8	4.77	16.34	135.3	Slightly Cloudy	N/A	N
MW148S1	11/9/2014 11:30		54.02	0.00		0.600	6.68	3.519	24.5	4.77	16.34	131.8	Slightly Cloudy	N/A	N
MW148S1	11/9/2014 11:35		54.02	0.00		0.600	6.68	3.519	22.8	4.74	16.36	137.7	Clear	N/A	N
MW148S1	11/9/2014 11:40		54.02	0.00		0.600	6.67	3.521	16.4	4.75	16.34	135.1	Clear	N/A	N
MW148S1	11/9/2014 11:45		54.02	0.00		0.600	6.67	3.518	12.4	4.76	16.32	135.5	Clear	N/A	N
MW148S1	11/9/2014 11:50		54.02	0.00		0.600	6.67	3.520	8.25	4.73	16.35	131.7	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW148S2/S3	11/9/2014 11:05	50.43	50.43	0.00		0.500	7.04	3.717	19.6	4.20	16.99	126.0	Slightly Cloudy	N/A	N
MW148S2/S3	11/9/2014 11:15		50.43	0.00		0.500	7.00	3.722	7.94	3.92	16.59	113.7	Clear	N/A	N
MW148S2/S3	11/9/2014 11:20		50.43	0.00		0.500	6.96	3.721	3.08	3.47	16.51	105.5	Clear	N/A	N
MW148S2/S3	11/9/2014 11:25		50.43	0.00		0.500	6.98	3.725	1.95	3.34	16.53	100.7	Clear	N/A	N
MW148S2/S3	11/9/2014 11:30		50.43	0.00		0.500	6.99	3.717	1.62	3.16	16.51	96.4	Clear	N/A	N
MW148S2/S3	11/9/2014 11:35		50.43	0.00		0.500	6.99	3.706	1.46	3.04	16.54	93.0	Clear	N/A	N
								Pump stopped at 11:10; restarted pump at 11:12.							
MW149S2/S3	11/6/2014 14:50	47.46	47.46	0.00		0.500	7.35	4.099	149	2.04	16.17	116.3	Slightly Cloudy	N/A	N
MW149S2/S3	11/6/2014 14:55		47.47	0.01		0.500	7.02	4.150	95.3	1.07	15.63	107.2	Slightly Cloudy	N/A	N
MW149S2/S3	11/6/2014 15:00		47.48	0.02		0.500	6.72	4.388	25.8	0.44	15.35	86.3	Slightly Cloudy	N/A	N
MW149S2/S3	11/6/2014 15:05		47.48	0.02		0.500	6.77	4.396	7.85	0.32	15.31	60.1	Clear	N/A	N
MW149S2/S3	11/6/2014 15:10		47.48	0.02		0.500	6.80	4.383	8.51	0.28	15.29	43.0	Clear	N/A	N
MW149S2/S3	11/6/2014 15:15		47.48	0.02		0.500	6.82	4.373	3.99	0.25	15.28	31.6	Clear	N/A	N
MW149S2/S3	11/6/2014 15:20		47.48	0.02		0.500	6.83	4.364	2.15	0.24	15.26	14.3	Clear	N/A	N
MW149S2/S3	11/6/2014 15:25		47.48	0.02		0.500	6.83	4.356	2.33	0.21	15.20	1.5	Clear	N/A	N
MW149S2/S3	11/6/2014 15:30		47.48	0.02		0.500	6.84	4.352	2.19	0.21	15.23	-4.1	Clear	N/A	N
MW149S2/S3	11/6/2014 15:35		47.48	0.02		0.500	6.84	4.350	2.07	0.20	15.25	-6.5	Clear	N/A	N
MW14S1	11/4/2014 12:30	62.38	63.00	0.62		0.400	7.29	0.675	3.99	8.82	14.83	18.6	Clear	N/A	N
MW14S1	11/4/2014 12:35		63.17	0.79		0.400	7.35	0.673	3.99	3.61	14.82	-7.1	Clear	N/A	N
MW14S1	11/4/2014 12:40		63.21	0.83		0.400	7.33	0.674	0.19	3.48	14.78	-24.5	Clear	N/A	N
MW14S1	11/4/2014 12:45		63.21	0.83		0.400	7.35	0.674	0.19	3.32	14.83	-32.3	Clear	N/A	N
MW14S1	11/4/2014 12:50		63.22	0.84		0.400	7.35	0.674	0.20	3.07	14.85	-36.0	Clear	N/A	N
MW14S1	11/4/2014 12:55		63.22	0.84		0.400	7.33	0.675	0.46	3.59	14.89	-39.1	Clear	N/A	N
								Air bubbles in flow-through cell.							
MW14S3	11/4/2014 13:50	52.53	52.53	0.00		0.500	6.72	1.519	31.5	3.78	14.78	18.6	Slightly Cloudy	Yellow	N
MW14S3	11/4/2014 13:55		52.53	0.00		0.500	6.69	2.157	19.1	2.67	14.88	25.3	Slightly Cloudy	Yellow	N
MW14S3	11/4/2014 14:00		52.53	0.00		0.500	6.63	2.474	10.5	2.28	14.89	20.2	Clear	N/A	N
MW14S3	11/4/2014 14:05		52.53	0.00		0.500	6.64	2.582	7.51	2.10	14.89	22.4	Clear	N/A	N
MW14S3	11/4/2014 14:10		52.53	0.00		0.500	6.64	2.621	6.55	2.03	14.91	27.0	Clear	N/A	N
MW14S3	11/4/2014 14:15		52.53	0.00		0.500	6.64	2.640	5.15	1.96	14.90	32.0	Clear	N/A	N
MW15S2	11/10/2014 10:25	49.74	49.74	0.00		0.600	6.30	1.166	1.36	4.08	15.12	153.0	Clear	N/A	N
MW15S2	11/10/2014 10:30		49.74	0.00		0.600	6.42	1.098	1.08	3.60	15.10	147.5	Clear	N/A	N
MW15S2	11/10/2014 10:35		49.74	0.00		0.600	6.54	1.114	1.43	3.72	15.10	141.1	Clear	N/A	N
MW15S2	11/10/2014 10:40		49.74	0.00		0.600	6.38	1.701	1.28	4.76	15.11	145.1	Clear	N/A	N
MW15S2	11/10/2014 10:45		49.74	0.00		0.600	6.35	2.003	1.11	4.93	15.16	142.8	Clear	N/A	N
MW15S2	11/10/2014 10:50		49.74	0.00		0.600	6.39	2.082	1.33	4.86	15.17	140.8	Clear	N/A	N
MW15S2	11/10/2014 10:55		49.74	0.00		0.600	6.42	2.099	1.39	5.00	15.17	140.1	Clear	N/A	N
MW15S2	11/10/2014 11:00		49.74	0.00		0.600	6.43	2.115	1.14	5.01	15.20	139.5	Clear	N/A	N
MW15S2	11/10/2014 11:05		49.74	0.00		0.600	6.43	2.116	1.02	5.01	15.21	139.5	Clear	N/A	N
MW15S2	11/10/2014 11:10		49.74	0.00		0.600	6.44	2.117	0.98	4.98	15.22	139.2	Clear	N/A	N

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Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW16S2SS	11/11/2014 9:15	50.22	50.22	0.00		0.450	7.16	3.734	2.33	0.69	14.72	47.2	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:20		50.22	0.00		0.450	7.04	4.061	1.66	0.67	14.74	30.0	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:25		50.22	0.00		0.450	7.07	4.217	1.77	0.63	14.81	20.2	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:30		50.22	0.00		0.450	7.07	4.292	1.37	0.63	14.79	14.4	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:35		50.22	0.00		0.450	7.05	4.341	1.12	0.62	14.78	5.7	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:40		50.22	0.00		0.450	7.04	4.382	0.89	0.61	14.79	-3.1	Clear	N/A	Y, strong odor
MW16S2SS	11/11/2014 9:45		50.22	0.00		0.450	7.05	4.403	0.79	0.59	14.84	-8.1	Clear	N/A	Y, strong odor
MW20S1	11/4/2014 13:35	46.58	46.61	0.03		0.400	7.35	0.646	12.6	5.41	14.58	157.3	Clear	N/A	N
MW20S1	11/4/2014 13:40		46.62	0.04		0.400	7.12	0.696	9.12	4.23	14.60	100.4	Clear	N/A	N
MW20S1	11/4/2014 13:45		46.62	0.04		0.400	7.09	0.788	8.76	1.53	14.65	23.9	Clear	N/A	N
MW20S1	11/4/2014 13:50		46.63	0.05		0.400	7.07	0.801	9.53	0.49	14.79	-75.3	Clear	N/A	N
MW20S1	11/4/2014 13:55		46.63	0.05		0.400	7.08	0.806	7.21	0.46	14.80	-80.1	Clear	N/A	N
MW20S1	11/4/2014 14:00		46.63	0.05		0.400	7.07	0.809	8.61	0.44	14.77	-81.3	Clear	N/A	N
MW20S3	11/4/2014 14:25	46.82	46.82	0.00		0.400	6.93	0.771	10.2	5.78	14.66	60.2	Clear	N/A	N
MW20S3	11/4/2014 14:30		46.83	0.01		0.400	6.92	0.793	9.99	4.44	14.59	63.9	Clear	N/A	N
MW20S3	11/4/2014 14:35		46.84	0.02		0.400	6.92	0.790	7.41	3.26	14.60	65.7	Clear	N/A	N
MW20S3	11/4/2014 14:40		46.84	0.02		0.400	6.91	0.785	6.86	2.91	14.69	63.3	Clear	N/A	N
MW20S3	11/4/2014 14:45		46.85	0.03		0.400	6.91	0.782	8.96	2.85	14.70	70.5	Clear	N/A	N
MW20S3	11/4/2014 14:50		46.85	0.03		0.400	6.90	0.783	9.02	2.16	14.71	71.2	Clear	N/A	N
MW21S1	11/7/2014 8:45	43.32	43.37	0.05		0.500	6.89	4.129	1.98	6.51	14.76	82.0	Clear	N/A	N
MW21S1	11/7/2014 8:50		43.38	0.06		0.500	6.91	4.101	0.91	10.27	14.82	68.1	Clear	N/A	N
MW21S1	11/7/2014 8:55		43.37	0.05		0.500	6.91	4.009	1.80	9.84	14.77	61.6	Clear	N/A	N
MW21S1	11/7/2014 9:00		43.37	0.05		0.500	6.90	4.067	0.84	1.91	14.84	49.6	Clear	N/A	N
MW21S1	11/7/2014 9:05		43.37	0.05		0.500	6.91	3.980	0.41	1.87	14.85	42.9	Clear	N/A	N
MW21S1	11/7/2014 9:10		43.37	0.05		0.500	6.92	3.930	0.63	1.80	14.85	40.8	Clear	N/A	N
							Air bubble stuck on dissolved oxygen sensor. Shook flow-through cell to dislodge air bubble at 8:56.								
MW21S3	11/7/2014 9:40	42.70	42.71	0.01		0.450	6.86	0.707	3.29	9.34	14.92	12.4	Clear	N/A	N
MW21S3	11/7/2014 9:45		42.71	0.01		0.450	6.76	0.709	5.74	8.08	14.88	28.9	Clear	N/A	N
MW21S3	11/7/2014 9:50		42.71	0.01		0.450	6.77	0.708	3.68	8.06	15.09	34.0	Clear	N/A	N
MW21S3	11/7/2014 9:55		42.71	0.01		0.450	6.78	0.702	3.12	8.13	15.13	38.0	Clear	N/A	N
MW21S3	11/7/2014 10:00		42.71	0.01		0.450	6.77	0.698	2.05	8.21	15.14	42.3	Clear	N/A	N
MW22S1	11/10/2014 14:25	48.45	48.52	0.07		0.450	7.45	0.818	1.69	2.03	16.13	38.9	Clear	N/A	N
MW22S1	11/10/2014 14:30		48.52	0.07		0.450	7.52	0.815	3.12	1.56	16.19	31.7	Clear	N/A	N
MW22S1	11/10/2014 14:35		48.52	0.07		0.450	7.57	0.813	3.57	1.32	16.16	28.0	Clear	N/A	N
MW22S1	11/10/2014 14:40		48.52	0.07		0.450	7.59	0.813	3.94	1.05	16.09	20.7	Clear	N/A	N
MW22S1	11/10/2014 14:45		48.52	0.07		0.450	7.57	0.811	3.08	0.91	16.06	17.1	Clear	N/A	N
MW22S1	11/10/2014 14:50		48.52	0.07		0.450	7.59	0.815	2.33	0.75	15.93	11.6	Clear	N/A	N
MW22S1	11/10/2014 14:55		48.52	0.07		0.450	7.57	0.812	2.68	0.47	15.94	8.3	Clear	N/A	N
MW22S1	11/10/2014 15:00		48.52	0.07		0.450	7.59	0.811	3.03	0.46	15.94	6.9	Clear	N/A	N
MW22S1	11/10/2014 15:05		48.52	0.07		0.450	7.59	0.810	2.28	0.50	16.01	3.4	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW22S2	11/10/2014 15:00	48.97	48.98	0.01		0.550	7.22	1.283	13.7	6.89	16.93	107.3	Clear	N/A	N
MW22S2	11/10/2014 15:05		48.98	0.01		0.550	7.34	1.229	5.01	2.44	15.72	107.3	Clear	N/A	N
MW22S2	11/10/2014 15:10		48.98	0.01		0.550	7.35	1.245	6.47	2.40	15.64	101.9	Clear	N/A	N
MW22S2	11/10/2014 15:15		48.98	0.01		0.550	7.20	1.361	4.28	3.72	15.61	101.6	Clear	N/A	N
MW22S2	11/10/2014 15:20		48.98	0.01		0.550	7.10	1.421	8.32	4.54	15.54	101.5	Clear	N/A	N
MW22S2	11/10/2014 15:25		48.98	0.01		0.550	7.04	1.453	8.62	4.14	15.45	99.6	Clear	N/A	N
MW22S2	11/10/2014 15:30		48.98	0.01		0.550	7.02	1.459	7.35	4.36	15.44	100.7	Clear	N/A	N
MW22S2	11/10/2014 15:35		48.98	0.01		0.550	7.04	1.462	7.28	4.29	15.53	100.9	Clear	N/A	N
								Air bubbles in flow-through cell.							
MW22S4	11/10/2014 15:48	35.73	--	--	0.5	--	6.84	0.261	--	--	15.71	--	Turbid	Tan	N
MW22S4	11/10/2014 15:50		--	--	1.0	--	6.56	0.256	--	--	15.26	--	Turbid	Tan	N
MW22S4	11/10/2014 15:52		--	--	1.5	--	6.50	0.256	--	--	15.22	--	Turbid	Tan	N
MW22S4	11/10/2014 15:54		--	--	2.0	--	6.44	0.254	--	--	15.15	--	Turbid	Tan	N
MW25S1	11/6/2014 15:55	53.67	53.70	0.03		0.400	6.98	0.817	1.59	10.26	16.01	-12.7	Clear	N/A	N
MW25S1	11/6/2014 16:00		53.71	0.04		0.400	6.94	0.799	4.70	8.60	15.49	-11.4	Clear	N/A	N
MW25S1	11/6/2014 16:05		53.71	0.04		0.400	6.86	0.774	2.30	6.17	15.31	23.1	Clear	N/A	N
MW25S1	11/6/2014 16:10		53.71	0.04		0.400	6.83	0.782	4.33	6.28	15.26	30.1	Clear	N/A	N
MW25S1	11/6/2014 16:15		53.71	0.04		0.400	6.83	0.783	5.96	6.16	15.23	34.6	Clear	N/A	N
MW25S1	11/6/2014 16:20		53.71	0.04		0.400	6.82	0.784	5.17	6.09	15.19	40.0	Clear	N/A	N
MW25S1	11/6/2014 16:25		53.71	0.04		0.400	6.81	0.783	5.00	6.10	15.15	42.6	Clear	N/A	N
MW26S1	11/5/2014 12:25	51.29	51.31	0.02		0.350	7.06	0.839	30.4	2.32	15.55	21.2	Clear	N/A	N
MW26S1	11/5/2014 12:30		51.31	0.02		0.350	6.92	0.852	30.8	1.00	15.41	26.3	Clear	N/A	N
MW26S1	11/5/2014 12:35		51.31	0.02		0.350	6.92	0.854	7.84	0.80	15.43	29.7	Clear	N/A	N
MW26S1	11/5/2014 12:40		51.31	0.02		0.350	6.89	0.856	4.97	0.73	15.37	31.1	Clear	N/A	N
MW26S1	11/5/2014 12:45		51.31	0.02		0.350	6.89	0.856	3.46	0.67	15.40	32.7	Clear	N/A	N
MW26S3	11/5/2014 11:35	51.41	51.43	0.02		0.500	7.08	1.529	210	2.85	15.11	46.2	Turbid	Orange	N
MW26S3	11/5/2014 11:40		51.43	0.02		0.500	6.89	1.456	73.7	3.26	15.09	36.0	Slightly Cloudy	Orange	N
MW26S3	11/5/2014 11:45		51.43	0.02		0.500	6.86	1.431	37.3	4.87	15.11	35.2	Slightly Cloudy	Orange	N
MW26S3	11/5/2014 11:50		51.43	0.02		0.500	6.86	1.422	15.7	5.12	15.12	44.4	Slightly Cloudy	Orange	N
MW26S3	11/5/2014 11:55		51.43	0.02		0.500	6.87	1.421	10.2	5.43	15.18	50.4	Clear	N/A	N
MW26S3	11/5/2014 12:00		51.43	0.02		0.500	6.80	1.418	7.36	5.53	15.10	42.0	Clear	N/A	N
MW26S3	11/5/2014 12:05		51.43	0.02		0.500	6.85	1.418	5.62	5.47	15.17	46.7	Clear	N/A	N

TABLE 4

SUMMARY OF MONITORING WELL PURGING PARAMETERS
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location	Date and Time	Static Water Level (ft BTOC) [1]	Water Level (ft BTOC)	Drawdown (Feet)	Bailed Wells Volume Purged (Gallons)	Pumping Rate (L/min) [2]	pH (Std. Units) [3]	Conductivity (mS/cm) [4]	Turbidity (NTU) [5]	DO (mg/L) [6]	Temp (°C) [7]	ORP [8] (mV) [9]	Clarity	Color	Odor
MW30S1	11/6/2014 9:30	54.90	54.91	0.01		0.300	7.01	2.537	143	6.02	16.27	126.0	Slightly Cloudy	Orange	N
MW30S1	11/6/2014 9:35		54.91	0.01		0.300	6.90	2.523	407	5.09	16.56	113.7	Turbid	Orange	N
MW30S1	11/6/2014 9:40		54.91	0.01		0.300	6.90	2.518	>1000	5.60	16.80	108.3	Turbid	Orange	N
MW30S1	11/6/2014 9:45		54.91	0.01		0.300	6.92	2.554	>1000	2.46	16.94	108.1	Turbid	Orange	N
MW30S1	11/6/2014 9:50		54.91	0.01		0.300	6.90	2.569	>1000	1.60	16.93	105.9	Turbid	Orange	N
MW30S1	11/6/2014 9:55		54.91	0.01		0.300	6.83	2.571	>1000	1.53	16.94	104.7	Turbid	Orange	N
MW30S1	11/6/2014 10:00		54.91	0.01		0.300	6.86	2.572	833	1.20	16.99	102.9	Turbid	Orange	N
MW30S1	11/6/2014 10:05		54.91	0.01		0.300	6.85	2.572	741	1.20	17.07	100.7	Turbid	Orange	N
MW30S1	11/6/2014 10:10		54.91	0.01		0.300	6.84	2.572	523	1.24	17.20	93.7	Turbid	Orange	N
MW30S1	11/6/2014 10:15		54.91	0.01		0.300	6.84	2.571	266	1.21	17.16	93.5	Turbid	Orange	N
MW30S1	11/6/2014 10:20		54.91	0.01		0.300	6.83	2.571	207	1.19	17.19	93.1	Turbid	Orange	N
MW30S1	11/6/2014 10:25		54.91	0.01		0.300	6.82	2.574	176	1.23	17.18	93.2	Turbid	Orange	N
MW30S1	11/6/2014 10:30		54.91	0.01		0.300	6.82	2.574	155	1.21	17.24	93.9	Turbid	Orange	N
MW30S1	11/6/2014 10:35		54.91	0.01		0.300	6.81	2.574	130	1.24	17.19	93.3	Slightly Cloudy	Orange	N
MW30S1	11/6/2014 10:40		54.91	0.01		0.300	6.80	2.572	121	1.25	17.25	93.4	Slightly Cloudy	Orange	N
MW30S1	11/6/2014 10:45		54.91	0.01		0.300	6.80	2.572	117	1.23	17.28	93.5	Slightly Cloudy	Orange	N
MW30S3	11/6/2014 11:10	50.80	50.81	0.01		0.400	6.88	2.580	154	6.68	17.27	115.7	Turbid	Orange	Y
MW30S3	11/6/2014 11:15		50.81	0.01		0.400	6.74	2.590	127	3.83	17.59	113.3	Turbid	Orange	Y
MW30S3	11/6/2014 11:20		50.82	0.02		0.400	6.75	2.613	85.2	3.41	17.26	107.4	Turbid	Orange	Y
MW30S3	11/6/2014 11:25		50.82	0.02		0.400	6.75	2.610	80.3	3.30	17.28	107.0	Turbid	Orange	Y
MW30S3	11/6/2014 11:30		50.83	0.03		0.400	6.76	2.616	61.9	3.29	17.24	105.3	Slightly Cloudy	Orange	Y
MW30S3	11/6/2014 11:35		50.83	0.03		0.400	6.78	2.620	45.4	3.28	17.24	103.7	Slightly Cloudy	Orange	Y
MW30S3	11/6/2014 11:40		50.83	0.03		0.400	6.78	2.624	36.8	3.26	17.26	102.4	Slightly Cloudy	Orange	Y
MW30S3	11/6/2014 11:45		50.83	0.03		0.400	6.79	2.626	24.1	3.11	17.27	101.9	Slightly Cloudy	Orange	Y
MW30S3	11/6/2014 11:50		50.83	0.03		0.400	6.81	2.623	25.0	3.12	17.27	101.7	Slightly Cloudy	Orange	Y
MW30S3	11/6/2014 11:55		50.83	0.03		0.400	6.81	2.624	24.8	3.06	17.28	101.2	Slightly Cloudy	Orange	Y
MW31S1	11/6/2014 16:15	37.58	37.67	0.09		0.250	7.38	1.499	3.99	1.42	16.33	35.3	Clear	N/A	N
MW31S1	11/6/2014 16:20		37.67	0.09		0.250	7.20	1.454	3.55	0.67	16.23	38.1	Clear	N/A	N
MW31S1	11/6/2014 16:25		37.67	0.09		0.250	7.00	1.423	2.61	0.31	16.05	43.6	Clear	N/A	N
MW31S1	11/6/2014 16:30		37.67	0.09		0.250	6.99	1.415	2.02	0.30	15.99	44.1	Clear	N/A	N
MW31S1	11/6/2014 16:35		37.67	0.09		0.250	6.97	1.410	1.89	0.32	15.92	46.0	Clear	N/A	N

[1] ft BTOC - feet below top of casing
[2] L/min - liters per minute
[3] Std. Units - standard units
[4] mS/cm - microsiemens per centimeter
[5] NTU - nephelometric turbidity units
[6] mg/L - milligrams per liter
[7] °C - degrees Celsius
[8] ORP - oxidation-reduction potential
[9] mV - millivolts
[10] N/A - not applicable
[11] Y - Yes, N - No
[12] -- Not Available

TABLE 5

GROUNDWATER SAMPLE KEY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Location	*Sample ID*	*Date Collected*	*Time Collected*	*QA/QC*	*Analysis*
AMW105D	WG-11082014-JR-AMW105D	11/8/2014	10:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW105S	WG-11082014-JR-AMW105S	11/8/2014	9:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW107D	WG-11042014-AK-AMW107D	11/4/2014	15:25	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW107S	WG-11042014-AK-AMW107S	11/4/2014	16:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW4D	WG-11062014-AK-AMW4D	11/6/2014	10:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW4S	WG-11062014-AK-AMW4S	11/6/2014	9:10	MS/MSD	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW5D	WG-11062014-AK-AMW5D	11/6/2014	11:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AMW5S	WG-11062014-AK-AMW5S	11/6/2014	12:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
APMW302S1	WG-11052014-AK-APMW302S1	11/5/2014	9:45	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
APMW302S2	WG-11052014-AK-APMW302S2	11/5/2014	10:25	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
APMW302S3	WG-11062014-AK-APMW302S3	11/6/2014	17:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW40	WG-11112014-JR-IW40	11/11/2014	9:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW41	WG-11122014-JR-IW41	11/12/2014	12:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW42	WG-11122014-JR-IW42	11/12/2014	11:20	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW43	WG-11252014-JR-IW43	11/25/2014	8:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW44	WG-11252014-JR-IW44	11/25/2014	8:55	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW45	WG-11122014-JR-IW45	11/12/2014	14:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
IW46	WG-11122014-JR-IW46	11/12/2014	13:25	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW03S1	WG-11072014-AK-MW03S1	11/7/2014	15:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW07S1	WG-11052014-AK-MW07S1	11/5/2014	15:10	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW07S2	WG-11052014-AK-MW07S2	11/5/2014	16:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW07S3	WG-11052014-AK-MW07S3	11/5/2014	16:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW08S1	WG-11052014-JR-MW08S1	11/5/2014	15:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW08S2	WG-11052014-JR-MW08S2	11/5/2014	16:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW08S3	WG-11052014-JR-MW08S3	11/5/2014	14:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW08S4	Well dry, no sample collected	--	--	--	--
MW09S1	WG-11092014-AK-MW09S1	11/9/2014	14:15	WG-11092014-AK-FD4	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW09S3	WG-11092014-JR-MW09S3	11/9/2014	14:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness

TABLE 5

GROUNDWATER SAMPLE KEY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Location	*Sample ID*	*Date Collected*	*Time Collected*	*QA/QC*	*Analysis*
MW09S4	Well dry, no sample collected	--	--	--	--
MW10S1	WG-11072014-JR-MW10S1	11/7/2014	10:20	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW10S2	WG-11072014-JR-MW10S2	11/7/2014	9:20	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW10S3	WG-11072014-JR-MW10S3	11/7/2014	11:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW11S1	WG-11042014-JR-MW11S1	11/4/2014	10:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW11S3A	WG-11042014-JR-MW11S3A	11/4/2014	11:25	MS/MSD	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW12S1A	WG-11112014-AK-MW12S1A	11/11/2014	11:20	WG-11112014-AK-FD6	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW12S3	WG-11112014-JR-MW12S3	11/11/2014	11:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW132S1	WG-11052014-JR-MW132S1	11/5/2014	9:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW132S2/S3	WG-11052014-JR-MW132S2/S3	11/5/2014	10:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW133S2/S3	WG-11042014-JR-MW133S2/S3	11/4/2014	9:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW137S2	WG-11102014-JR-MW137S2	11/10/2014	14:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW137S3	WG-11082014-AK-MW137S3	11/8/2014	15:45	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW138S1	WG-11072014-JR-MW138S1	11/7/2014	14:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW138S2/S3	WG-11072014-JR-MW138S2/S3	11/7/2014	13:25	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW13S1	WG-11072014-AK-MW13S1	11/7/2014	12:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW13S3	WG-11072014-AK-MW13S3	11/7/2014	11:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW140S1	WG-11102014-AK-MW140S1	11/10/2014	12:00	MS/MSD	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW140S2/S3	WG-11102014-JR-MW140S2/S3	11/10/2014	12:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW141S2/S3	WG-11102014-AK-MW141S2/S3	11/10/2014	10:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW142S2/S3	WG-11082014-JR-MW142S2/S3	11/8/2014	11:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW143S2/S3	WG-11052014-JR-MW143S2/S3	11/5/2014	11:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW144S2/S3	WG-11042014-JR-MW144S2/S3	11/4/2014	17:25	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW145S2/S3	WG-11042014-JR-MW145S2/S3	11/4/2014	16:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW146S1	WG-11092014-AK-MW146S1	11/9/2014	15:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW147S1	WG-11092014-JR-MW147S1	11/9/2014	10:35	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW147S2/S3	WG-11092014-AK-MW147S2/S3	11/9/2014	10:20	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW148S1	WG-11092014-JR-MW148S1	11/9/2014	11:55	MS/MSD	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness

TABLE 5

GROUNDWATER SAMPLE KEY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Location	*Sample ID*	*Date Collected*	*Time Collected*	*QA/QC*	*Analysis*
MW148S2/S3	WG-11092014-AK-MW148S2/S3	11/9/2014	11:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW149S2/S3	WG-11062014-JR-MW149S2/S3	11/6/2014	14:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW14S1	WG-11042014-AK-MW14S1	11/4/2014	13:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW14S3	WG-11042014-AK-MW14S3	11/4/2014	14:20	WG-11042014-AK-FD2	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW15S2	WG-11102014-JR-MW15S2	11/10/2014	11:15	WG-11102014-JR-FD-5	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW16S2SS	WG-11112014-AK-MW16S2SS	11/11/2014	9:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW20S1	WG-11042014-JR-MW20S1	11/4/2014	14:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW20S3	WG-11042014-JR-MW20S3	11/4/2014	14:55	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW21S1	WG-11072014-AK-MW21S1	11/7/2014	9:15	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW21S3	WG-11072014-AK-MW21S3	11/7/2014	10:05	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW21S4R	Well dry, no sample collected	--	--	--	--
MW22S1	WG-11102014-AK-MW22S1	11/10/2014	15:10	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW22S2	WG-11102014-JR-MW22S2	11/10/2014	15:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW22S4	WG-11102014-AK-MW22S4	11/10/2014	16:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW25S1	WG-11062014-AK-MW25S1	11/6/2014	16:30	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW26S1	WG-11052014-AK-MW26S1	11/5/2014	12:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW26S3	WG-11052014-AK-MW26S3	11/5/2014	12:10	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW30S1	WG-11062014-JR-MW30S1	11/6/2014	10:50	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW30S3	WG-11062014-JR-MW30S3	11/6/2014	12:00	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
MW31S1	WG-11062014-JR-MW31S1	11/6/2014	16:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
AP2800	WG-11252014-JR-AP2800	11/25/2014	10:40	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
BUILDERS WELL	WG-11122014-JR-BUILDERS	11/12/2014	13:45	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness
DW-7	WG-11252014-JR-DW-7	11/25/2014	9:20	--	VOCs, SVOCs, Pesticides, Herbicides, Chloride, Hardness

Notes:
QA/QC - Quality Assurance/Quality Control
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
MS/MSD - Matrix Spike/Matrix Spike Duplicate
FD - Field Duplicate

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:					*AMW4D*	*AMW4S*	*AMW5D*	*AMW5S*	*AMW105D*	*AMW105S*	*AMW107D*
Sample ID:					*WG-11062014-AK-AMW4D*	*WG-11062014-AK-AMW4S*	*WG-11062014-AK-AMW5D*	*WG-11062014-AK-AMW5S*	*WG-11082014-JR-AMW105D*	*WG-11082014-JR-AMW105S*	*WG-11042014-AK-AMW107D*
Sample Date:					*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/8/2014*	*11/8/2014*	*11/4/2014*
Parameters	*Units*	*Criteria*	*Type*	*Number of Detects*							
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	5	MCL	6	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	5	MCL	42	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	70	MCLG	38	0.8	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	5	MCL	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	23	8.2	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	5	MCL	9	0.7	0.5 U	0.8	0.5 U	0.5 U	0.5 U	1.1
Vinyl chloride	µg/L	2	MCL	3	0.5 U	0.5 U	13.3	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	24	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.025	RSL	30	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L			10	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	11	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	1	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	11	0.03	0.02 U	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	14	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	80	106000	155000	125000	112000	22000	13900	108000
Hardness, calculation	mgCaCO3/L			80	411	442	400	425	237	185	437

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*AMW107S*	*AP2800*	*APMW302S1*	*APMW302S2*	*APMW302S3*	*Builders Well*	*DW-7*	*IW40*
Sample ID:				*WG-11042014-AK-AMW107S*	*WG-11252014-JR-AP2800*	*WG-11052014-AK-APMW302S1*	*WG-11052014-AK-APMW302S2*	*WG-11062014-AK-APMW302S3*	*WG-11122014-JR-Builders*	*WG-11252014-JR-DW-7*	*WG-11112014-JR-IW40*
Sample Date:				*11/4/2014*	*11/25/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*	*11/12/2014*	*11/25/2014*	*11/11/2014*
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	5	MCL	0.9	0.5 U	16.3	0.5 U	1.5	62.3	0.5 U	17.4
Chloroform (Trichloromethane)	µg/L	70	MCLG	1.1	0.5 U	19.4	0.5 U	4.8	3	0.5 U	3.5
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	7.1	0.5 U	1.4	2 U	0.5 U	0.5 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.208	0.037 U	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	78000	53000	63000	46500	47100	88000	49000	239000
Hardness, calculation	mgCaCO3/L			395	287	309	310	287	270	191	412

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*IW41*	*IW42*	*IW45*	*IW46*	*IW600(43)*	*IW650(44)*	*MW03S1*	*MW07S1*
Sample ID:				*WG-11122014-JR-IW41*	*WG-11122014-JR-IW42*	*WG-11122014-JR-IW45*	*WG-11122014-JR-IW46*	*WG-11252014-JR-IW43*	*WG-11252014-JR-IW44*	*WG-11072014-AK-MW03S1*	*WG-11052014-AK-MW07S1*
Sample Date:				*11/12/2014*	*11/12/2014*	*11/12/2014*	*11/12/2014*	*11/25/2014*	*11/25/2014*	*11/7/2014*	*11/5/2014*
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	50 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	**260**
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	50 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	**150**
Carbon tetrachloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	2.3	**1380**	**217**	0.5 U	**2590**
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.5 U	0.5 U	0.5 U	0.5 U	55	6.3	0.5 U	**2790**
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	50 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	**1420**
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	**670**
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	0.5 U	50 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	20 U	2 U	1.6	50 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	**17.8**	5.0 U	5.0 U	**31.8**
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	**54.9**	5.0 U	5.0 U	**246**
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	35.1	5.0 U	5.0 U	21.1
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	13.1	5.0 U	5.0 U	16.9
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	14.3	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	0.011 U	**0.088 J**	0.011 U	**1.51**	**1.09**
beta-BHC	µg/L	0.025	RSL	**0.479**	**0.126**	**0.072**	0.037 U	**0.291**	0.037 U	**0.206**	0.19 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.71
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.057	0.052 U	0.052 U	**1.02**
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.50 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**2.8**
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.44	0.03 J	0.02 U	**17.5**
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	36	1.0 U	1.0 U	**680**
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	115000	63000	37500	133000	**1310000**	133000	40500	**1240000**
Hardness, calculation	mgCaCO3/L			262	174	184	290	507	300	215	1580

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW07S2*	*MW07S3*	*MW08S1*	*MW08S2*	*MW08S3*	*MW09S1*	*MW09S1*	*MW09S3*
Sample ID:				*WG-11052014-AK-MW07S2*	*WG-11052014-AK-MW07S3*	*WG-11052014-JR-MW08S1*	*WG-11052014-JR-MW08S2*	*WG-11052014-JR-MW08S3*	*WG-11092014-AK-MW09S1*	*WG-11092014-AK-FD4*	*WG-11092014-JR-MW09S3*
Sample Date:				*11/5/2014*	*11/5/2014*	*11/5/2014*	*11/5/2014*	*11/5/2014*	*11/9/2014*	*11/9/2014 (Duplicate)*	*11/9/2014*
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	**93.6**	**94.7**	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	**19**	**19**	0.5 U
Carbon tetrachloride	µg/L	5	MCL	0.5 U	0.5 U	3.0	**9.8**	**59.1**	2 U	2 U	**11.4**
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.7	0.5 U	11.7	14.3	25.5	2 U	2 U	9.2
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	3.6	**6.8**	**120.**	**120.**	2.7
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	3.8	4.3	**176**	**179**	0.5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	0.5 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	**19.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	**152**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	88.8	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	**0.045**	**0.052**	**0.057**	**0.399**	**0.366**	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	**0.688**	**0.472**	**1.13**	**0.061**	**0.055**	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.36	0.32	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.128	0.118	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.86**	**0.84**	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	148000	163000	**1350000**	**650000**	**480000**	**470000**	**471000**	81000
Hardness, calculation	mgCaCO3/L			449	461	896	757	626	786	807	208

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW10S1*	*MW10S2*	*MW10S3*	*MW11S1*	*MW11S3A*	*MW12S1A*	*MW12S1A*	*MW12S3*
Sample ID:				*WG-11072014-JR-MW10S1*	*WG-11072014-JR-MW10S2*	*WG-11072014-JR-MW10S3*	*WG-11042014-JR-MW11S1*	*WG-11042014-JR-MW11S3A*	*WG-11112014-AK-MW12S1A*	*WG-11112014-AK-FD6*	*WG-11112014-JR-MW12S3*
Sample Date:				*11/7/2014*	*11/7/2014*	*11/7/2014*	*11/4/2014*	*11/4/2014*	*11/11/2014*	*11/11/2014*	*11/11/2014*
										(Duplicate)	
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
Carbon tetrachloride	µg/L	5	MCL	2.1	**28.4**	0.5 U	**19.8**	0.5 U	**2100**	**2100**	**65.6**
Chloroform (Trichloromethane)	µg/L	70	MCLG	3.1	2.1	0.5 U	4.6	0.5 U	**6660**	**6670**	45.3
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
Tetrachloroethene	µg/L	5	MCL	0.9	1.5	0.5 U	0.5 U	0.5 U	**800**	**800**	**30.**
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	300 U	300 U	2 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	1.4	0.5 U	0.5 U	300 U	300 U	2 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**37.8**	**39.5**	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**149**	**157**	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	79.5	84.4	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15.1	16.1	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	**0.115**	0.011 U	**0.708 J**	**0.731 J**	**0.050 J**
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	0.037 U	**0.273**	0.037 U	**0.592 J**	**0.601 J**	**12.5 J**
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	1.0 J	0.99 J	0.2 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.065	0.052 U	**0.942 J**	**0.956 J**	0.21 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.40 U	0.25 U	0.40 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**5.69 J**	**5.27 J**	**0.72 J**
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**9.55 J**	**8.43 J**	0.3 J
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.3**	**2.9**	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	218000	125000	11000	**290000**	75000	**820000**	**809000**	130000
Hardness, calculation	mgCaCO3/L			422	351	99.0	510	285	393	396	240

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW13S1*	*MW13S3*	*MW14S1*	*MW14S3*	*MW14S3*	*MW15S2*	*MW15S2*	*MW16S2SS*
Sample ID:				*WG-11072014-AK-MW13S1*	*WG-11072014-AK-MW13S3*	*WG-11042014-AK-MW14S1*	*WG-11042014-AK-MW14S3*	*WG-11042014-AK-FD2*	*WG-11102014-JR-MW15S2*	*WG-11102014-JR-FD5*	*WG-11112014-AK-MW16S2SS*
Sample Date:				*11/7/2014*	*11/7/2014*	*11/4/2014*	*11/4/2014*	*11/4/2014 (Duplicate)*	*11/10/2014*	*11/10/2014 (Duplicate)*	*11/11/2014*
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	**30.**
Carbon tetrachloride	µg/L	5	MCL	0.5 U	2.0	0.5 U	**3260**	**3390**	**683**	**570.**	**115**
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.5 U	0.5 U	0.5 U	**4380**	**4410**	21	30 U	23
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	**610**	**640**	10 U	30 U	5 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	100 U	100 U	10 U	30 U	5 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.4	5.8	5.0 U	5.0 U	**974**
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**897**
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1180
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	**0.32**	**0.39**	0.011 U	0.011 U	**0.496**
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	0.037 U	**0.548**	**0.571**	**0.140**	**0.108**	**1.15**
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.42	0.51	0.05 U	0.05 U	0.05 J
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	**0.540**	**0.652**	0.052 U	0.052 U	0.079
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	**1.2**	**1.4**	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	**7.17**	**7.87**	0.03	0.02	0.03
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	**5.4**	**6.4**	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	32800	70000	23300	**910000**	**910000**	**501000**	**493000**	**1510000**
Hardness, calculation	mgCaCO3/L			389	211	357	935	947	474	490	349

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW20S1*	*MW20S3*	*MW21S1*	*MW21S3*	*MW22S1*	*MW22S2*	*MW22S4*
Sample ID:				*WG-11042014-JR-MW20S1*	*WG-11042014-JR-MW20S3*	*WG-11072014-AK-MW21S1*	*WG-11072014-AK-MW21S3*	*WG-11102014-AK-MW22S1*	*WG-11102014-JR-MW22S2*	*WG-11102014-AK-MW22S4*
Sample Date:				*11/4/2014*	*11/4/2014*	*11/7/2014*	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	*Units*	*Criteria*	*Type*							
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Carbon tetrachloride	µg/L	5	MCL	0.5 U	**48.7**	0.5 U	**7.2**	2.6	**3830**	0.5 U
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.5 U	1.3	0.5 U	0.5	2.0	**80**	0.5 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U
Semi-volatile Organic Compounds										
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.018**	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	**0.072**	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**1.12**	0.02 U
Herbicides										
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry										
Chloride	µg/L	250000	MCL	24600	69000	**1390000**	97000	152000	**340000**	2100
Hardness, calculation	mgCaCO3/L			248	275	830	261	314	439	32.2

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW25S1*	*MW26S1*	*MW26S3*	*MW30S1*	*MW30S3*	*MW31S1*	*MW132S1*	*MW132S2/S3*
Sample ID:				*WG-11062014-AK-MW25S1*	*WG-11052014-AK-MW26S1*	*WG-11052014-AK-MW26S3*	*WG-11062014-JR-MW30S1*	*WG-11062014-JR-MW30S3*	*WG-11062014-JR-MW31S1*	*WG-11052014-JR-MW132S1*	*WG-11052014-JR-MW132S2/S3*
Sample Date:				*11/6/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/5/2014*	*11/5/2014*
Parameters	*Units*	*Criteria*	*Type*								
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	5	MCL	0.5 U	1.0	0.5 U	2.6	**12400**	**140.**	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.5 U	2.4	0.5 U	3.5	**200**	8	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	2.6	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	200 U	5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds											
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	6.1	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	**0.041**	**0.014**	**0.15**	**0.038**	0.011 U	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	**0.164**	**0.128**	**0.328**	**0.271**	0.037 U	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.11	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.05	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	**5.47**	0.02 U	0.02 U	0.02 U
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry											
Chloride	µg/L	250000	MCL	83000	120000	202000	**670000**	**650000**	241000	55000	19700
Hardness, calculation	mgCaCO3/L			355	424	589	521	615	299	288	211

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW133S2/S3*	*MW137S2*	*MW137S3*	*MW138S1*	*MW138S2/S3*	*MW140S1*	*MW140S2/S3*
Sample ID:				*WG-11042014-JR-MW133S2/S3*	*WG-11102014-JR-MW137S2*	*WG-11082014-JR-MW137S3*	*WG-11072014-JR-MW138S1*	*WG-11072014-JR-MW138S2/S3*	*WG-11102014-AK-MW140S1*	*WG-11102014-JR-MW140S2/S3*
Sample Date:				*11/4/2014*	*11/10/2014*	*11/8/2014*	*11/7/2014*	*11/7/2014*	*11/10/2014*	*11/10/2014*
Parameters	*Units*	*Criteria*	*Type*							
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Carbon tetrachloride	µg/L	5	MCL	0.5 U	0.5 U	0.7	0.5 U	1.2	0.5 U	**1310**
Chloroform (Trichloromethane)	µg/L	70	MCLG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Tetrachloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U
Semi-volatile Organic Compounds										
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.09
Herbicides										
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry										
Chloride	µg/L	250000	MCL	36600	23000	74000	38100	78000	17500	**490000**
Hardness, calculation	mgCaCO3/L			242	236	286	237	266	244	658

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW141S2/S3*	*MW142S2/S3*	*MW143S2/S3*	*MW144S2/S3*	*MW145S2/S3*	*MW146S1*	*MW147S1*
Sample ID:				*WG-11102014-AK-MW141S2/S3*	*WG-11082014-JR-MW142S2/S3*	*WG-11052014-JR-MW143S2/S3*	*WG-11042014-JR-MW144S2/S3*	*WG-11042014-JR-MW145S2/S3*	*WG-11092014-AK-MW146S1*	*WG-11092014-JR-MW147S1*
Sample Date:				*11/10/2014*	*11/8/2014*	*11/5/2014*	*11/4/2014*	*11/4/2014*	*11/9/2014*	*11/9/2014*
Parameters	*Units*	*Criteria*	*Type*							
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	5	MCL	**29.6**	0.5 U	**15.2**	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	70	MCLG	31.2	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	4.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds										
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	**0.016**	0.011 U	**0.016**	0.011 U	0.011 U
beta-BHC	µg/L	0.025	RSL	0.037 U	0.037 U	**0.098**	0.037 U	**0.781**	0.037 U	0.037 U
delta-BHC	µg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Herbicides										
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
General Chemistry										
Chloride	µg/L	250000	MCL	21100	19800	**316000**	32800	**331000**	32300	53000
Hardness, calculation	mgCaCO3/L			144	183	600	240	455	323	375

TABLE 6

ANALYTICAL RESULTS SUMMARY
FALL 2014
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

Sample Location:				*MW147S2/S3*	*MW148S1*	*MW148S2/S3*	*MW149S2/S3*
Sample ID:				*VG-11092014-AK-MW147S2/S:*	*WG-11092014-JR-MW148S1*	*WG-11092014-AK-MW148S2/S3*	*WG-11062014-JR-MW149S2S3*
Sample Date:				*11/9/2014*	*11/9/2014*	*11/9/2014*	*11/6/2014*
Parameters	*Units*	*Criteria*	*Type*				
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	200	MCL	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	4.6
1,2-Dichloropropane	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	2.5
Carbon tetrachloride	µg/L	5	MCL	**41.5**	0.6	1.2	0.5 U
Chloroform (Trichloromethane)	µg/L	70	MCLG	11.5	3.9	4.5	0.5 U
Chloromethane (Methyl chloride)	µg/L	190	RSL	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	5	MCL	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5	MCL	2.0	0.9	4.0	**15.5**
Trichloroethene	µg/L	5	MCL	0.5 U	0.5 U	1.0	**12.5**
Vinyl chloride	µg/L	2	MCL	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds							
2,3,4,5-Tetrachlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	240	RSL	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	1200	RSL	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	4	RSL	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	46	RSL	5.0 U	5.0 U	5.0 U	12.3
2,5-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	91	RSL	5.0 U	5.0 U	5.0 U	5.0 U
3/4-Chlorophenol	µg/L			5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.0071	RSL	0.011 U	0.011 U	**0.076**	**0.109**
beta-BHC	µg/L	0.025	RSL	0.037 U	**0.173**	**4.13**	**0.621**
delta-BHC	µg/L			0.05 U	0.05 U	0.06	0.05 U
gamma-BHC (lindane)	µg/L	0.2	MCL	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	1	MCL	0.10 U	0.19	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.3	RSL	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.9	RSL	0.02 U	0.02 U	0.02 U	0.02 U
Herbicides							
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	70	MCL	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	MCL	0.5 U	0.5 U	0.5 U	0.5 U
General Chemistry							
Chloride	µg/L	250000	MCL	73000	**910000**	**1240000**	**1230000**
Hardness, calculation	mgCaCO3/L			248	718 J	483	798

Notes:

- exceeds criteria

J - Estimated concentration

R - Rejected

U - Not detected at the associated reporting limit

UJ - Not detected; associated reporting limit is estimated

MCL - Maximum Contaminant Level

RSL - EPA Region IX, Regional Screening Level November 2014, http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_NOV2014.pdf

MCLG - Maximum Contaminant Level Goal

µg/L - micrograms per liter

mg/L - milligrams per liter

(ON CD)

Appendix A

Equipment Calibration Forms

Appendix B

Analytical Reports

Appendix C

Data Quality Assessment and Validation Report

Appendix A

Equipment Calibration Forms

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-02
Date: 11-03-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-03-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-02
Date: 11-4-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18924B
Date: 11-4-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.87	5.90
• Medium 0-100	49.4	49.9
• High 0-1000	480	476

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-4-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.75
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 3.89
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.345
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 234.1 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: JR

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-4-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: B18948B
Date: 11-4-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita Plant
Location: Wichita,KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	***Meter Reading***
• Low 0-10	4.75	4.75
• Medium 0-100	51.9	51.9
• High 0-1000	522	522

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-4-14
User: A. Krein, A. Hargadine

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.03
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.98
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.418
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 244.5 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-02
Date: 11-5-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18922B
Date: 11-5-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.27	4.85
• Medium 0-100	50.2	49.8
• High 0-1000	491	491

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-5-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.01
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 4.00
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.345
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 234.1 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: JR

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 10-5-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita,KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

(QSF-421D)

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

Control No.: IE B18948B
Date: 11-5-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	4.75	4.55
• Medium 0-100	51.9	51.4
• High 0-1000	522	522

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-5-14
User: A. Krein, A. Hargadine

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.97
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.98
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.419
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 244.5 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-02
Date: 11-6-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11-6-2014
User: J Raye

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	4.75	4.75
• Medium 0-100	51.9	52.0
• High 0-1000	522	527

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-6-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.97
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 3.99
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.399
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 238.3 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: JR

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 10-6-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita,KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature: J.Raye

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18922B
Date: 11-6-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.27	5.32
• Medium 0-100	50.2	50.8
• High 0-1000	491	495

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-6-14
User: A. Krein, A. Hargadine

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.94
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.94
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.419
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 244.5 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-02
Date: 11-7-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11-7-2014
User: J Raye

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	4.75	4.65
• Medium 0-100	51.9	53.6
• High 0-1000	522	525

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-7-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.93
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 3.99
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.389
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 234.1 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: JR

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-7-14
User: J. Raye, N. Laskares

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita,KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature: JRaye

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18924B
Date: 11-7-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.87	5.22
• Medium 0-100	49.4	42.7
• High 0-1000	480	488

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-7-14
User: A. Krein, A. Hargadine

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.02
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.98
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.405
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 244.5 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-06
Date: 11-8-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11-8-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	4.75	4.62
• Medium 0-100	51.9	52.4
• High 0-1000	522	526

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-8-2014
User: A Krein, J Raye

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.99
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.93
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.398
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 234.1 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: B20757B
Date: 11-9-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11-9-2014
User: J Raye

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	***Meter Reading***
• Low 0-10	4.75	5.18
• Medium 0-100	51.9	52.6
• High 0-1000	522	527

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-9-2014
User: A Krein

Project No.: 054046
Project Name: OCC wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.02
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.95
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.409 Reading 1.467
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 243.4 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-9-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18924B
Date: 11-9-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.87	5.01
• Medium 0-100	49.4	44.8
• High 0-1000	480	475

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-9-14
User: J. Raye

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.05
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.99
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.254
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 240.5 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: B20757B
Date: 11/10/2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11/10/2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	4.75	4.34
• Medium 0-100	51.9	50.1
• High 0-1000	522	521

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-10-14
User: A. krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.04
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 9.98
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.392
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 238.4 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-10-2014
User: A. Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18924B
Date: 11/10/2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.87	3.23
• Medium 0-100	49.4	42.7
• High 0-1000	480	489

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-10-14
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.08
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 4.04
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.433
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 229.7 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: B20757B
Date: 11-11-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature:

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18948B
Date: 11-11-2014
User: A krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	***Meter Reading***
• Low 0-10	4.75	4.51
• Medium 0-100	51.9	51.9
• High 0-1000	522	524

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature: [signature]

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: 05F1982
Date: 11-11-2014
User: A. krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 6.97
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 10.02
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.388
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 238.9 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: _____

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, WATER LEVEL

(QSF-251D)

Control No.: KS-IP-03
Date: 11-11-14
User: A. krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check for broken or missing parts.	
• Check battery	✓
• Check operation of buzzer.	✓
• Check operation of signal light.	✓
• Test probe in water to ensure unit operates, both visually and audibly.	✓
• Check cable.	✓

Filing: Field File

Signature: A. K.

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, TURBIDITY (PORTABLE) HACH 2100P

(QSF-421D)

Control No.: IE B18924B
Date: 11-11-2014
User: A Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

Do Not Calibrate in the Field - In-House Calibration Only by Field Equipment Manager

Check when completed

Check kit contents;

- Meter [x]
- Low 0-10, medium 0-100, high 0-1000 standards [x]
- Extra AA batteries [x]
- Sample vials [x]

Test and record Gelex standards: [x]

	Gelex Standard	*Meter Reading*
• Low 0-10	5.87	4.24
• Medium 0-100	49.4	42.8
• High 0-1000	480	489

Note: Condensation on outside of sample bottles affects meter readings.

Filing: Field File

Signature: A. Krein

THIS COMPLETED FORM IS A QUALITY RECORD

FIELD DATA RECORD FORM
METER, PH/COND./TEMP./DO/ORP/ SALINITY/FLOW CELL, YSI 556 MPS

(QSF-483D)

Control No.: U57430X
Date: 11-11-14
User: A. Krein

Project No.: 054046
Project Name: OCC Wichita

Location: Wichita, KS

Additional Equipment Control Numbers and Descriptions:

FIELD PROCEDURE BEFORE USE:

	Check when completed
• Check kit contents.	[x]
• Check pH 7 buffer reading. Calibrate if greater than ±0.2.	Reading 7.01
PH is a two point calibration but always start with the seven standard.	
• Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down.	Calibrated Y / N
• Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press ↵ key to accept.	
• Use ↓ key to highlight pH symbol and press enter ↵.	
• Select 2 point calibration and use number pad to enter 7.0 and push ↵ to accept value. Push ↵ again to calibrate.	
• Repeat these steps to calibrate your pH value to 4.0 or 10.0.	Reading 4.03
• Press Esc to return to the calibration screen.	
Check conductivity standard near the expected range. Calibrate if greater than ±0.5%.	Standard 1.413 Reading 1.420
Conductivity is a one point calibration.	Calibrated Y / N
• Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up.	
• Press Esc to return to the calibration screen.	
• Use the ↑or ↓ to select SpC and press ↵	
• Use the number key pad to enter 1.413 and push ↵ to accept value. Push ↵ again to calibrate.	
Check ORP standard:	
• Press Esc to return to the calibration screen.	Standard 237.5 mV Reading 229.9 mV
• Use the ↑or ↓ to select ORPand press ↵	
• Use the number key pad to enter the value and push ↵ to accept. Push ↵ again to calibrate.	
To calibrate DO, see manual for instructions	Calibrated Y / N

Filing: Field File

Signature: A. Krein

THIS COMPLETED FORM IS A QUALITY RECORD

Appendix B

Analytical Reports

Continental Analytical Services, Inc.

Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date and Time Received: 11/06/2014 1655
Continental File No.: 7775
Continental Order No.: 122582
Project ID: 054046-042407
Purchase Auth: GSH00009; CRA#42407

Dear Ms. Thurman:

This laboratory report, containing the samples indicated below, includes 83 pages for the analytical report, 2 page(s) for the chain of custody and/or analysis request, and 13 page(s) for the sample receipt form.

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
14110469	WG-11042014-AK-MW14S1	Liquid	11/4/2014
14110470	WG-11042014-AK-MW14S3	Liquid	11/4/2014
14110471	WG-11042014-AK-FD2	Liquid	11/4/2014
14110472	WG-11042014-AK-AMW107D	Liquid	11/4/2014
14110473	WG-11042014-AK-AMW107S	Liquid	11/4/2014
14110474	WG-11042014-JR-MW133S2/S3	Liquid	11/4/2014
14110475	WG-11042014-JR-MW11S1	Liquid	11/4/2014
14110476	WG-11042014-JR-MW11S3A	Liquid	11/4/2014
14110477	WG-11042014-JR-MW20S1	Liquid	11/4/2014
14110478	WG-11042014-JR-MW20S3	Liquid	11/4/2014
14110479	WG-11042014-JR-MW145S2/S3	Liquid	11/4/2014
14110479R	WG-11042014-JR-MW145S2/S3	Liquid	11/4/2014
14110480	WG-11042014-JR-MW144S2/S3	Liquid	11/4/2014
14110481	WG-11052014-AK-APMW302S1	Liquid	11/5/2014
14110482	WG-11052014-AK-APMW302S2	Liquid	11/5/2014
14110483	WG-11052014-AK-MW26S3	Liquid	11/5/2014
14110484	WG-11052014-AK-MW26S1	Liquid	11/5/2014
14110485	WG-11052014-AK-MW07S1	Liquid	11/5/2014
14110485R	WG-11052014-AK-MW07S1	Liquid	11/5/2014
14110486	WG-11052014-AK-MW07S2	Liquid	11/5/2014
14110487	WG-11052014-AK-MW07S3	Liquid	11/5/2014
14110488	WG-11052014-JR-MW132S1	Liquid	11/5/2014
14110489	WG-11052014-JR-MW132S2/S3	Liquid	11/5/2014
14110490	WG-11052014-JR-MW143S2/S3	Liquid	11/5/2014
14110491	WG-11052014-JR-MW08S3	Liquid	11/5/2014
14110492	WG-11052014-JR-MW08S1	Liquid	11/5/2014
14110493	WG-11052014-JR-MW08S2	Liquid	11/5/2014
14110494	WG-11062014-AK-AMW4S	Liquid	11/6/2014
14110495	WG-11062014-AK-AMW4D	Liquid	11/6/2014
14110496	WG-11062014-AK-AMW5D	Liquid	11/6/2014
14110497	WG-11062014-AK-AMW5S	Liquid	11/6/2014
14110498	TB-11062014-AK	Liquid	

The Appendix and Quality Control sections are integral parts of this laboratory report and may contain important data qualifiers.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110469
Sample Description: WG-11042014-AK-MW14S1

Date Sampled: 11/04/2014
Time Sampled: 1300

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05)	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	357	mg/L as CaCO3	7443/103
Chloride	23.3	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 1635	141107-2	1NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 1635	141107-2	1NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1406	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 0824	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1455	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2305	141110-5	9IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1132	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110469

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110470
Sample Description: WG-11042014-AK-MW14S3

Date Sampled: 11/04/2014
Time Sampled: 1420

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	5.4	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	0.32	µg/L	7410/55
B-BHC	0.548	µg/L	7410/55
G-BHC	0.540	µg/L	7410/55
Hexachloroethane	7.17	µg/L	7410/55
Hexachlorobutadiene	1.2	µg/L	7410/55
Hexachlorobenzene	ND(0.40)	µg/L	7410/55
D-BHC	0.42	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	5.4	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(100)	µg/L	7350/279
1,2-Dichloroethane	ND(100)	µg/L	7350/279
Benzene	ND(100)	µg/L	7350/279
Carbon tetrachloride	3260	µg/L	7350/279
Chloroform	4380	µg/L	7350/279
Chloromethane	ND(100)	µg/L	7350/279
Methylene chloride	ND(100)	µg/L	7350/279
Tetrachloroethylene	610	µg/L	7350/279
Trichloroethylene	ND(100)	µg/L	7350/279
Vinyl chloride	ND(100)	µg/L	7350/279
1,2-Dichloropropane	ND(100)	µg/L	7350/279
Hardness (Calculated)	935	mg/L as CaCO3	7443/103
Chloride	910	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 1714	141107-2	1NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 1714	141107-2	1NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1449	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 0907	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1519	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2309	141110-5	9IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1145	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110470

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110471
Sample Description: WG-11042014-AK-FD2

Date Sampled: 11/04/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	6.4	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	0.39	µg/L	7410/55
B-BHC	0.571	µg/L	7410/55
G-BHC	0.652	µg/L	7410/55
Hexachloroethane	7.87	µg/L	7410/55
Hexachlorobutadiene	1.4	µg/L	7410/55
Hexachlorobenzene	ND(0.40)	µg/L	7410/55
D-BHC	0.51	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	5.8	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(100)	µg/L	7350/279
1,2-Dichloroethane	ND(100)	µg/L	7350/279
Benzene	ND(100)	µg/L	7350/279
Carbon tetrachloride	3390	µg/L	7350/279
Chloroform	4410	µg/L	7350/279
Chloromethane	ND(100)	µg/L	7350/279
Methylene chloride	ND(100)	µg/L	7350/279
Tetrachloroethylene	640	µg/L	7350/279
Trichloroethylene	ND(100)	µg/L	7350/279
Vinyl chloride	ND(100)	µg/L	7350/279
1,2-Dichloropropane	ND(100)	µg/L	7350/279
Hardness (Calculated)	947	mg/L as CaCO3	7443/103
Chloride	910	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 1832	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 1832	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1532	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 0951	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1543	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0045	141110-4	11IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1731	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110471

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110472
Sample Description: WG-11042014-AK-AMW107D

Date Sampled: 11/04/2014
Time Sampled: 1525

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05)	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	1.1	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	437	mg/L as CaCO3	7443/103
Chloride	108	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 1911	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 1911	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1616	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1035	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1608	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0050	141110-4	11IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1211	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110472

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110473
Sample Description: WG-11042014-AK-AMW107S

Date Sampled: 11/04/2014
Time Sampled: 1600

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05)	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	0.9	µg/L	7350/279
Chloroform	1.1	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	395	mg/L as CaCO3	7443/103
Chloride	78	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 1951	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 1951	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1658	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1119	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1632	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2313	141110-5	9IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1224	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110473

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110474
Sample Description: WG-11042014-JR-MW133S2/S3

Date Sampled: 11/04/2014
Time Sampled: 0950

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05)	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	242	mg/L as CaCO3	7443/103
Chloride	36.6	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 2030	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 2030	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1741	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1203	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1657	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0054	141110-4	11IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1236	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110474

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110475
Sample Description: WG-11042014-JR-MW11S1

Date Sampled: 11/04/2014
Time Sampled: 1050

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	0.115	µg/L	7410/55
B-BHC	0.273	µg/L	7410/55
G-BHC	0.065	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05)	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	19.8	µg/L	7350/279
Chloroform	4.6	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	510.	mg/L as CaCO3	7443/103
Chloride	290.	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 2109	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 2109	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 1824	141110-1	1EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1248	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1721	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0106	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1249	1IC2322	1IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110475

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110476
Sample Description: WG-11042014-JR-MW11S3A

Date Sampled: 11/04/2014
Time Sampled: 1125

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	285	mg/L as CaCO3	7443/103
Chloride	75	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 2148	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 2148	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 2032	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1332	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1745	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0111	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1341	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110476

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110477
Sample Description: WG-11042014-JR-MW20S1

Date Sampled: 11/04/2014
Time Sampled: 1405

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	248	mg/L as CaCO3	7443/103
Chloride	24.6	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/12/14 2345	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/12/14 2345	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 2240	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1546	141110-2	1MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1859	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0127	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1419	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110477

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110478
Sample Description: WG-11042014-JR-MW20S3

Date Sampled: 11/04/2014
Time Sampled: 1455

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	48.7	µg/L	7350/279
Chloroform	1.3	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	275	mg/L as CaCO3	7443/103
Chloride	69	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0024	141107-2	2NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0024	141107-2	2NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/24/14 2322	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1811	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1924	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0131	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1432	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110478

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110479
Sample Description: WG-11042014-JR-MW145S2/S3

Date Sampled: 11/04/2014
Time Sampled: 1615

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0) SR	µg/L	7411/61
Pentachlorophenol	ND(0.5) SR	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	0.016	µg/L	7410/55
B-BHC	0.781	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	455	mg/L as CaCO3	7443/103
Chloride	331	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0142	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0142	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0005	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1855	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 1949	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0136	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1445	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110479

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110479R
Sample Description: WG-11042014-JR-MW145S2/S3

Date Sampled: 11/04/2014
Time Sampled: 1615

A laboratory number ending with R is from a second preparation and/or analysis of the sample.

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0) HP	µg/L	7411/65
Pentachlorophenol	ND(0.5) HP	µg/L	7411/65

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 1943	141117-1	1NX5328	LPL	8151A(M)
Pentachlorophenol	11/17/14 0740	11/24/14 1943	141117-1	1NX5328	LPL	8151A(M)
Herbicides Preparation Method						8151A(M)

Conclusion of Lab Number: 14110479R

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110480
Sample Description: WG-11042014-JR-MW144S2/S3

Date Sampled: 11/04/2014
Time Sampled: 1725

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	240.	mg/L as CaCO3	7443/103
Chloride	32.8	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0220	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0220	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0047	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 1938	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 2013	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0140	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1457	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110480

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110481
Sample Description: WG-11052014-AK-APMW302S1

Date Sampled: 11/05/2014
Time Sampled: 0945

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	16.3	µg/L	7350/279
Chloroform	19.4	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	7.1	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	309	mg/L as CaCO3	7443/103
Chloride	63	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0259	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0259	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0129	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 2022	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 2038	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0144	141110-4	12IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1510	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110481

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110482
Sample Description: WG-11052014-AK-APMW302S2

Date Sampled: 11/05/2014
Time Sampled: 1025

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052)	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/279
1,2-Dichloroethane	ND(0.5)	µg/L	7350/279
Benzene	ND(0.5)	µg/L	7350/279
Carbon tetrachloride	ND(0.5)	µg/L	7350/279
Chloroform	ND(0.5)	µg/L	7350/279
Chloromethane	ND(0.5)	µg/L	7350/279
Methylene chloride	ND(0.5)	µg/L	7350/279
Tetrachloroethylene	ND(0.5)	µg/L	7350/279
Trichloroethylene	ND(0.5)	µg/L	7350/279
Vinyl chloride	ND(0.5)	µg/L	7350/279
1,2-Dichloropropane	ND(0.5)	µg/L	7350/279
Hardness (Calculated)	310.	mg/L as CaCO3	7443/103
Chloride	46.5	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0338	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0338	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0212	141110-1	2EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 2106	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/07/14 2103	1MS9311	1MS9311	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0157	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1523	1IC2322	2IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110482

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110483
Sample Description: WG-11052014-AK-MW26S3

Date Sampled: 11/05/2014
Time Sampled: 1210

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	0.041	µg/L	7410/56
B-BHC	0.164	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05)	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	589	mg/L as CaCO3	7443/103
Chloride	202	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0417	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0417	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 1725	141110-1	1EX7329	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 2149	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 2146	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0201	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1614	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110483

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110484
Sample Description: WG-11052014-AK-MW26S1

Date Sampled: 11/05/2014
Time Sampled: 1250

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052) QC	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	1.0	µg/L	7350/280
Chloroform	2.4	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	2.6	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	424	mg/L as CaCO3	7443/103
Chloride	120.	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0456	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0456	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0502	141110-1	3EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 2233	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 2211	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2326	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1627	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110484

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110485
Sample Description: WG-11052014-AK-MW07S1

Date Sampled: 11/05/2014
Time Sampled: 1510

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	680 QC	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	1.09	µg/L	7410/56
B-BHC	ND(0.19)	µg/L	7410/56
G-BHC	1.02	µg/L	7410/56
Hexachloroethane	17.5	µg/L	7410/56
Hexachlorobutadiene	2.8	µg/L	7410/56
Hexachlorobenzene	ND(0.50)	µg/L	7410/56
D-BHC	0.71	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	16.9	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	OC	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	21.1	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	31.8	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(50)	µg/L	7350/280
1,2-Dichloroethane	260	µg/L	7350/280
Benzene	150	µg/L	7350/280
Carbon tetrachloride	2590	µg/L	7350/280
Chloroform	2790	µg/L	7350/280
Chloromethane	ND(50)	µg/L	7350/280
Methylene chloride	1420	µg/L	7350/280
Tetrachloroethylene	670	µg/L	7350/280
Trichloroethylene	ND(50)	µg/L	7350/280
Vinyl chloride	ND(50)	µg/L	7350/280
1,2-Dichloropropane	ND(50)	µg/L	7350/280
Hardness (Calculated)	1580	mg/L as CaCO3	7443/112
Chloride	1240	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/18/14 1655	141107-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0850	141107-2	4NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 1808	141110-1	1EX7329	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/13/14 2316	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 1515	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/19/14 2115	141110-4	11IP4323	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1640	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110485

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110485R
Sample Description: WG-11052014-AK-MW07S1

Date Sampled: 11/05/2014
Time Sampled: 1510

A laboratory number ending with R is from a second preparation and/or analysis of the sample.

Analysis	Concentration	Units	Book/Page
OXY GC/MS Acids			
2-Chlorophenol	ND(20)	µg/L	7326/417
3-& 4-Chlorophenol	ND(20)	µg/L	7326/417
2,4-Dichlorophenol	246	µg/L	7326/417
2,5-Dichlorophenol	ND(20)	µg/L	7326/417
2,6-Dichlorophenol	20.	µg/L	7326/417
2,4,5-Trichlorophenol	ND(20)	µg/L	7326/417
2,4,6-Trichlorophenol	30.	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(20) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(20)	µg/L	7326/417

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY GC/MS Acids	11/10/14 1115	11/21/14 1403	141110-2	1MS6325	JMM	8270C
Acid Preparation Method						625/3510C

Conclusion of Lab Number: 14110485R

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110486
Sample Description: WG-11052014-AK-MW07S2

Date Sampled: 11/05/2014
Time Sampled: 1605

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052) QC	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	0.7	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	449	mg/L as CaCO3	7443/103
Chloride	148	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0614	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0614	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0626	141110-1	3EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/14/14 0000	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 1539	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0209	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1653	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110486

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110487
Sample Description: WG-11052014-AK-MW07S3

Date Sampled: 11/05/2014
Time Sampled: 1640

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052) QC	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	461	mg/L as CaCO3	7443/103
Chloride	163	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0653	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0653	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0709	141110-1	3EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/14/14 0043	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 1604	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0214	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1706	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110487

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110488
Sample Description: WG-11052014-JR-MW132S1

Date Sampled: 11/05/2014
Time Sampled: 0950

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/61
Pentachlorophenol	ND(0.5)	µg/L	7411/61
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/55
B-BHC	ND(0.037)	µg/L	7410/55
G-BHC	ND(0.052) QC	µg/L	7410/55
Hexachloroethane	ND(0.02)	µg/L	7410/55
Hexachlorobutadiene	ND(0.02)	µg/L	7410/55
Hexachlorobenzene	ND(0.10)	µg/L	7410/55
D-BHC	ND(0.05) QC	µg/L	7410/55
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/415
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/415
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/415
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/415
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/415
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/415
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	288	mg/L as CaCO3	7443/103
Chloride	55	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/07/14 0920	11/13/14 0732	141107-2	3NX5316	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/07/14 0920	11/13/14 0732	141107-2	3NX5316	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 0900	11/25/14 0752	141110-1	3EX7328	JMM	8121
OXY GC/MS Acids	11/10/14 1115	11/14/14 0127	141110-2	2MS6317	BLP	8270C
OXY Volatiles by 8260	N/A	11/10/14 1629	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2330	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1718	1IC2322	3IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110488

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110489
Sample Description: WG-11052014-JR-MW132S2/S3

Date Sampled: 11/05/2014
Time Sampled: 1050

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/56
B-BHC	ND(0.037)	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05)	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	211	mg/L as CaCO3	7443/103
Chloride	19.7	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 1734	141111-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 1734	141111-2	1NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 1851	141110-3	1EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 1851	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1653	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0218	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1914	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110489

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110490
Sample Description: WG-11052014-JR-MW143S2/S3

Date Sampled: 11/05/2014
Time Sampled: 1130

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.016	µg/L	7410/56
B-BHC	0.098	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05)	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	15.2	µg/L	7350/280
Chloroform	3.1	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	600.	mg/L as CaCO3	7443/103
Chloride	316	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 1814	141111-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 1814	141111-2	1NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 1934	141110-3	1EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 1935	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1718	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0222	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1926	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110490

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110491
Sample Description: WG-11052014-JR-MW08S3

Date Sampled: 11/05/2014
Time Sampled: 1415

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.057	µg/L	7410/56
B-BHC	1.13	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	0.05	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(1)	µg/L	7350/280
1,2-Dichloroethane	ND(1)	µg/L	7350/280
Benzene	ND(1)	µg/L	7350/280
Carbon tetrachloride	59.1	µg/L	7350/280
Chloroform	25.5	µg/L	7350/280
Chloromethane	ND(1)	µg/L	7350/280
Methylene chloride	ND(1)	µg/L	7350/280
Tetrachloroethylene	6.8	µg/L	7350/280
Trichloroethylene	4.3	µg/L	7350/280
Vinyl chloride	ND(1)	µg/L	7350/280
1,2-Dichloropropane	ND(1)	µg/L	7350/280
Hardness (Calculated)	626	mg/L as CaCO3	7443/103
Chloride	480	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 1853	141111-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 1853	141111-2	1NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 2016	141110-3	1EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 2020	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1742	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2334	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1939	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110491

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110492
Sample Description: WG-11052014-JR-MW08S1

Date Sampled: 11/05/2014
Time Sampled: 1515

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	4.8	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.045	µg/L	7410/56
B-BHC	0.688	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05)	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	152	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	88.8	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	19.0	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	3.0	µg/L	7350/280
Chloroform	11.7	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	896	mg/L as CaCO3	7443/103
Chloride	1350	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 1126	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 1126	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 2059	141110-3	1EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 2103	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1806	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0226	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 1952	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110492

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110493
Sample Description: WG-11052014-JR-MW08S2

Date Sampled: 11/05/2014
Time Sampled: 1650

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.052	µg/L	7410/56
B-BHC	0.472	µg/L	7410/56
G-BHC	ND(0.052)	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05)	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	9.8	µg/L	7350/280
Chloroform	14.3	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	3.6	µg/L	7350/280
Trichloroethylene	3.8	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	757	mg/L as CaCO3	7443/103
Chloride	650	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 2012	141111-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 2012	141111-2	1NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 2142	141110-3	1EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 2147	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1831	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2339	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2005	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110493

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110494
Sample Description: WG-11062014-AK-AMW4S

Date Sampled: 11/06/2014
Time Sampled: 0910

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/56
B-BHC	ND(0.037)	µg/L	7410/56
G-BHC	ND(0.052) QC	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05) QC	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0) QC	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	0.6	µg/L	7350/280
Chloroform	0.7	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	0.8	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	442 QC	mg/L as CaCO3	7443/103
Chloride	155	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 2210	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 2210	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/25/14 2350	141110-3	2EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/20/14 2231	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 1855	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2343	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2018	2IC2322	4IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110494

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110495
Sample Description: WG-11062014-AK-AMW4D

Date Sampled: 11/06/2014
Time Sampled: 1005

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/56
B-BHC	ND(0.037)	µg/L	7410/56
G-BHC	ND(0.052) QC	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	0.03	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05) QC	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/416
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/416
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/416
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/416
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/416
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/416
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	0.8	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	8.2	µg/L	7350/280
Trichloroethylene	0.7	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	411	mg/L as CaCO3	7443/103
Chloride	106	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/18/14 2051	141111-2	1NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/18/14 2051	141111-2	1NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 0157	141110-3	2EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 0043	141112-1	1MS6324	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 2009	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0919	11/10/14 2359	141110-5	10IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2135	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110495

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110496
Sample Description: WG-11062014-AK-AMW5D

Date Sampled: 11/06/2014
Time Sampled: 1140

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.030) M QC	µg/L	7410/56
B-BHC	ND(0.037)	µg/L	7410/56
G-BHC	ND(0.052) QC	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	0.04	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05) QC	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	0.8	µg/L	7350/280
Benzene	1.0	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	0.8	µg/L	7350/280
Vinyl chloride	13.3	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	400.	mg/L as CaCO3	7443/103
Chloride	125	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0007	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0007	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 0240	141110-3	2EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1447	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 2033	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0231	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2147	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110496

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110497
Sample Description: WG-11062014-AK-AMW5S

Date Sampled: 11/06/2014
Time Sampled: 1240

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011) QC	µg/L	7410/56
B-BHC	ND(0.037)	µg/L	7410/56
G-BHC	ND(0.052) QC	µg/L	7410/56
Hexachloroethane	ND(0.02)	µg/L	7410/56
Hexachlorobutadiene	ND(0.02)	µg/L	7410/56
Hexachlorobenzene	ND(0.10)	µg/L	7410/56
D-BHC	ND(0.05) QC	µg/L	7410/56
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280
Hardness (Calculated)	425	mg/L as CaCO3	7443/103
Chloride	112	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0047	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0047	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 0323	141110-3	2EX7329	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1532	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/10/14 2057	1MS9314	1MS9314	RKR	8260B
Hardness (Calculated)	11/10/14 0834	11/11/14 0235	141110-4	13IP4314	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2200	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110497

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Lab Number: 14110498
Sample Description: TB-11062014-AK

Date Sampled:
Time Sampled:

Analysis	Concentration	Units	Book/Page
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/280
1,2-Dichloroethane	ND(0.5)	µg/L	7350/280
Benzene	ND(0.5)	µg/L	7350/280
Carbon tetrachloride	ND(0.5)	µg/L	7350/280
Chloroform	ND(0.5)	µg/L	7350/280
Chloromethane	ND(0.5)	µg/L	7350/280
Methylene chloride	ND(0.5)	µg/L	7350/280
Tetrachloroethylene	ND(0.5)	µg/L	7350/280
Trichloroethylene	ND(0.5)	µg/L	7350/280
Vinyl chloride	ND(0.5)	µg/L	7350/280
1,2-Dichloropropane	ND(0.5)	µg/L	7350/280

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Volatiles by 8260	N/A	11/10/14 2122	1MS9314	1MS9314	RKR	8260B
Volatile Analysis Preparation Method						5030B

Conclusion of Lab Number: 14110498

Appendix

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

ND( ), where reported, indicates the analyte was not detected above the Limit of Quantitation (LOQ). The concentration of the LOQ is inside the parentheses.

All samples which require cooling were received at a temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

Due to the absence of sampling date and/or time information, the holding time for preparation and/or analysis may not have been qualified correctly for applicable samples within this order number. The data may or may not be useable for compliance purposes.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

HP - Regulatory preparation holding time for this analysis was exceeded.

M - Reporting limit higher than normal due to matrix interferences.

OC - The response for this analyte exceeded the calibration range of the instrument. Sample dilution and reanalysis is necessary to obtain an accurate result. The reported result, if provided, is estimated.

QC - QC data qualifiers were noted. See the Quality Control Report.

SR - One or more surrogate recoveries for this analysis did not meet quality control limits. Please see the Quality Control Report for the sample surrogate data.

Accreditation Summary

Client: Occidental Chemical Corporation
Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

NELAP accreditation is issued under each EPA regulatory program for a given matrix/analyte/method combination. Continental is NELAP accredited for each matrix/analyte/method and EPA program cited in this Laboratory Report, except for those listed in the table below and for analyses performed in the field. For most of the analyses listed in the table, NELAP accreditation is not offered under the listed EPA program and Continental is NELAP accredited for the analysis, using the same analytical technology, but under a different EPA program. Continental's full NELAP accreditation status may be viewed at www.kdheks.gov/envlab. Note that unless qualified otherwise in the Laboratory Report, Continental performs all analyses, including each analysis listed in the table below, utilizing NELAP protocol.

Test	Analysis	Matrix-Regulatory Program	Method	CAS NELAP Accredited in Other Reg. Program
CL351	OXY Chlorinated Hyd.	L-RCRA	8121	
CL351	Hexachloroethane	L-RCRA	8121	No
CL351	Hexachlorobutadiene	L-RCRA	8121	No
MS302	OXY GC/MS Acids	L-RCRA	8270C	
MS302	3-& 4-Chlorophenol	L-RCRA	8270C	No
MS302	2,5-Dichlorophenol	L-RCRA	8270C	No
MS302	2,3,4,5-Tetrachlorophenol	L-RCRA	8270C	No

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
CL223	2,4-Dichlorophenoxyacetic Acid	141107-2	141107BLK2 11/12/14 1517	141107LCS2 11/12/14 1556	14110476MS 11/12/14 2227
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110484 14110485 14110486 14110487 14110488					
CL223	2,4-Dichlorophenoxyacetic Acid	141111-2	141111BLK2 11/18/14 1536	141111LCS2 11/18/14 1616	14110494MS 11/18/14 2249
Lab numbers associated with this batch: 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497					
CL223	2,4-Dichlorophenoxyacetic Acid	141117-1	141117BLK1 11/24/14 1825	141117LCS1 11/24/14 1904	14111137MS 11/25/14 0135
Lab numbers associated with this batch: 14110479R					
CL350	Pentachlorophenol	141107-2	141107BLK2 11/12/14 1517	141107LCS2 11/12/14 1556	14110476MS 11/12/14 2227
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110484 14110485 14110486 14110487 14110488					
CL350	Pentachlorophenol	141111-2	141111BLK2 11/18/14 1536	141111LCS2 11/18/14 1616	14110494MS 11/18/14 2249
Lab numbers associated with this batch: 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497					
CL350	Pentachlorophenol	141117-1	141117BLK1 11/24/14 1825	141117LCS1 11/24/14 1904	14111137MS 11/25/14 0135
Lab numbers associated with this batch: 14110479R					
CL351	OXY Chlorinated Hyd.	141110-1	141110BLK1 11/24/14 1240	141110LCS1 11/24/14 1323	14110476MS 11/24/14 2115
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110484 14110485 14110486 14110487 14110488					
CL351	OXY Chlorinated Hyd.	141110-3	141110BLK3 11/25/14 1559	141110LCS3 11/25/14 1642	14110494MS 11/26/14 0032
Lab numbers associated with this batch: 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497					
MS302	OXY GC/MS Acids	141110-2	141110BLK2 11/13/14 0657	141110LCS2 11/13/14 0740	14110476MS 11/13/14 1417
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110484 14110485 14110485R 14110486 14110487 14110488					
MS302	OXY GC/MS Acids	141112-1	141112BLK1 11/20/14 1722	141112LCS1 11/20/14 1806	14110494MS 11/20/14 2315
Lab numbers associated with this batch: 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497					

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
MS350	OXY Volatiles by 8260	1MS9311	BLK1MS9311 11/07/14 1429	LCS1MS9311 11/07/14 1328	14110476MS 11/07/14 1810
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482					
MS350	OXY Volatiles by 8260	1MS9314	BLK1MS9314 11/10/14 1450	LCS1MS9314 11/10/14 1401	14110494MS 11/10/14 1920
Lab numbers associated with this batch: 14110483 14110484 14110485 14110486 14110487 14110488 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497 14110498					
SL323	Hardness (Calculated)	141110-4	141110BLK4 11/11/14 0037	141110LCS4 11/11/14 0041	14110476MS 11/11/14 0115
Lab numbers associated with this batch: 14110471 14110472 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110485 14110486 14110487 14110489 14110490 14110492 14110496 14110497					
SL323	Hardness (Calculated)	141110-5	141110BLK5 11/10/14 2257	141110LCS5 11/10/14 2301	14110494MS 11/10/14 2347
Lab numbers associated with this batch: 14110469 14110470 14110473 14110484 14110488 14110491 14110493 14110494 14110495					
GL502	Chloride	1IC2322	BLK1IC2322 11/18/14 1107	LCS1IC2322 11/18/14 1120	14110476MS 11/18/14 1353
Lab numbers associated with this batch: 14110469 14110470 14110471 14110472 14110473 14110474 14110475 14110476 14110477 14110478 14110479 14110480 14110481 14110482 14110483 14110484 14110485 14110486 14110487 14110488					
GL502	Chloride	2IC2322	BLK2IC2322 11/18/14 1744	LCS2IC2322 11/18/14 1757	14110494MS 11/18/14 2109
Lab numbers associated with this batch: 14110489 14110490 14110491 14110492 14110493 14110494 14110495 14110496 14110497					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141107-2	**For samples prepared on: 11/07/2014 0920**					**Spiked sample: 14110476**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	110	69.8-136	4.0	µg/L	104	110	77.4-130	4.0	µg/L	5.60	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	85.8	97.9	61.3-125	5.0	µg/L	95.0	99.6	61.3-125	5.0	µg/L		
QC Batch: 141107-2	**For samples prepared on: 11/07/2014 0920**					**Spiked sample: 14110476**						
Pentachlorophenol	ND(0.5)	108	74.9-121	4.0	µg/L	101	104	10.5-152	4.0	µg/L	3.20	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	85.8	97.9	61.3-125	5.0	µg/L	95.0	99.6	61.3-125	5.0	µg/L		
QC Batch: 141110-1	**For samples prepared on: 11/10/2014 0900**					**Spiked sample: 14110476**						
OXY Chlorinated Hyd.				N/A					N/A			
A-BHC	ND(0.011)	108	79.1-131	0.50	µg/L	110.	104	75.2-138	0.50	µg/L	6.20	15.8
B-BHC	ND(0.037)	98.0	75.0-135	0.50	µg/L	103	96.6	72.4-137	0.50	µg/L	6.60	17.5
G-BHC	ND(0.052)	109	77.8-133	0.50	µg/L	112	104	77.9-137	0.50	µg/L	7.40	16.6
Hexachloroethane	ND(0.02)	67.2	46.8-125	0.50	µg/L	70.4	65.2	31.6-131	0.50	µg/L	7.70	22.6
Hexachlorobutadiene	ND(0.02)	55.6	41.2-130	0.50	µg/L	58.4	55.2	29.4-129	0.50	µg/L	5.60	25.6
Hexachlorobenzene	ND(0.10)	92.0	70.8-133	0.50	µg/L	89.6	87.0	64.7-137	0.50	µg/L	2.90	19.3
D-BHC	ND(0.05)	112	76.9-150	0.50	µg/L	116	107	73.2-157	0.50	µg/L	7.70	17.1
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	70.3	68.0	58.6-99.8	8.0	µg/L	74.3	71.5	58.6-99.8	8.0	µg/L		
QC Batch: 141110-2	**For samples prepared on: 11/10/2014 1115**					**Spiked sample: 14110476**						
OXY GC/MS Acids				N/A					N/A			
2-Chlorophenol	ND(5.0)	83.7	70.2-103	50.0	µg/L	84.4	87.4	69.9-103	50.0	µg/L	3.40	8.8
3-& 4-Chlorophenol	ND(5.0)	70.7	60.2-90.2	50.0	µg/L	71.8	77.2	59.9-92.2	50.0	µg/L	7.20	10.3
2,4-Dichlorophenol	ND(5.0)	80.0	69.4-120	50.0	µg/L	81.2	91.7	67.9-124	50.0	µg/L	12.1	12.8
2,5-Dichlorophenol	ND(5.0)	99.0	74.7-110	50.0	µg/L	98.6	93.4	77.0-100	50.0	µg/L	5.40	14.7
2,6-Dichlorophenol	ND(5.0)	89.4	75.6-115	50.0	µg/L	89.7	93.4	73.8-118	50.0	µg/L	4.10	7.8
2,4,5-Trichlorophenol	ND(5.0)	92.5	78.9-118	50.0	µg/L	91.3	95.3	80.6-118	50.0	µg/L	4.30	8.9
2,4,6-Trichlorophenol	ND(5.0)	93.7	78.5-118	50.0	µg/L	95.8	96.7	79.4-120	50.0	µg/L	0.90	9.9
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	90.2 CE	72.6-125	100	µg/L	92.4 CE	95.5 CE	73.7-125	100	µg/L	3.30	11.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	96.8	72.9-128	50.0	µg/L	93.0	99.1	75.1-128	50.0	µg/L	6.30	12.5
Surrogate Data:												
PHENOL-d6	30.6	32.7	22.3-43.0	150	µg/L	33.4	36.2	22.3-43.0	150	µg/L		
2-FLUOROPHENOL	48.6	52.0	37.7-66.5	150	µg/L	51.1	55.6	37.7-66.5	150	µg/L		
2,4,6-TRIBROMOPHENOL	89.2	104	56.7-128	150	µg/L	105	110.	56.7-128	150	µg/L		
QC Batch: 141110-3	**For samples prepared on: 11/10/2014 1500**					**Spiked sample: 14110494**						
OXY Chlorinated Hyd.				N/A					N/A			
A-BHC	ND(0.011)	100.	79.1-131	0.50	µg/L	106	107	75.2-138	0.50	µg/L	0.70	15.8
B-BHC	ND(0.037)	86.2	75.0-135	0.50	µg/L	99.2	101	72.4-137	0.50	µg/L	1.80	17.5
G-BHC	ND(0.052)	101	77.8-133	0.50	µg/L	110.	111	77.9-137	0.50	µg/L	0.90	16.6
Hexachloroethane	ND(0.02)	67.0	46.8-125	0.50	µg/L	71.8	75.0	31.6-131	0.50	µg/L	4.40	22.6
Hexachlorobutadiene	ND(0.02)	53.8	41.2-130	0.50	µg/L	60.0	62.8	29.4-129	0.50	µg/L	4.60	25.6
Hexachlorobenzene	ND(0.10)	82.8	70.8-133	0.50	µg/L	96.2	100	64.7-137	0.50	µg/L	4.10	19.3
D-BHC	ND(0.05)	104	76.9-150	0.50	µg/L	119	117	73.2-157	0.50	µg/L	1.40	17.1
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	62.1	63.1	58.6-99.8	8.0	µg/L	71.5	72.7	58.6-99.8	8.0	µg/L		
QC Batch: 141110-4	**For samples prepared on: 11/10/2014 0834**					**Spiked sample: 14110476**						
Hardness (Calculated)	ND(5.0)	92.5	80.0-120	357	mg/L a	85.4	86.2	80.0-120	357	mg/L a	0.50	20.0

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141110-5	**For samples prepared on: 11/10/2014 0919**					**Spiked sample: 14110494**						
Hardness (Calculated)	ND(5.0)	92.6	80.0-120	357	mg/L a	87.3	71.8 ML	80.0-120	357	mg/L a	7.60	20.0
QC Batch: 141111-2	**For samples prepared on: 11/11/2014 1200**					**Spiked sample: 14110494**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	113	69.8-136	4.0	µg/L	106	129	77.4-130	4.0	µg/L	19.3	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	89.7	103	61.3-125	5.0	µg/L	97.0	108	61.3-125	5.0	µg/L		
QC Batch: 141111-2	**For samples prepared on: 11/11/2014 1200**					**Spiked sample: 14110494**						
Pentachlorophenol	ND(0.5)	106	74.9-121	4.0	µg/L	88.2	92.5	10.5-152	4.0	µg/L	4.80	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	89.7	103	61.3-125	5.0	µg/L	97.0	108	61.3-125	5.0	µg/L		
QC Batch: 141112-1	**For samples prepared on: 11/12/2014 0800**					**Spiked sample: 14110494**						
OXY GC/MS Acids				N/A					N/A			
2-Chlorophenol	ND(5.0)	90.4	70.2-103	50.0	µg/L	85.9	87.7	69.9-103	50.0	µg/L	2.00	8.8
3-& 4-Chlorophenol	ND(5.0)	78.5	60.2-90.2	50.0	µg/L	72.7	74.4	59.9-92.2	50.0	µg/L	2.30	10.3
2,4-Dichlorophenol	ND(5.0)	85.7	69.4-120	50.0	µg/L	92.6	84.3	67.9-124	50.0	µg/L	9.40	12.8
2,5-Dichlorophenol	ND(5.0)	104	74.7-110	50.0	µg/L	82.7	99.2 MP	77.0-100	50.0	µg/L	18.1	14.7
2,6-Dichlorophenol	ND(5.0)	93.2	75.6-115	50.0	µg/L	88.5	91.0	73.8-118	50.0	µg/L	2.70	7.8
2,4,5-Trichlorophenol	ND(5.0)	96.3	78.9-118	50.0	µg/L	92.3	94.1	80.6-118	50.0	µg/L	2.00	8.9
2,4,6-Trichlorophenol	ND(5.0)	96.5	78.5-118	50.0	µg/L	91.9	96.1	79.4-120	50.0	µg/L	4.50	9.9
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	100 CE	72.6-125	100	µg/L	93.7 CE	100 CE	73.7-125	100	µg/L	6.80	11.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	102	72.9-128	50.0	µg/L	98.0	104	75.1-128	50.0	µg/L	5.60	12.5
Surrogate Data:												
PHENOL-d6	33.5	36.1	22.3-43.0	150	µg/L	34.4	35.5	22.3-43.0	150	µg/L		
2-FLUOROPHENOL	53.2	57.2	37.7-66.5	150	µg/L	52.8	55.4	37.7-66.5	150	µg/L		
2,4,6-TRIBROMOPHENOL	83.8	106	56.7-128	150	µg/L	104	102	56.7-128	150	µg/L		
QC Batch: 141117-1	**For samples prepared on: 11/17/2014 0740**					**Spiked sample: 14111137**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	112	69.8-136	4.0	µg/L	MN	MN	77.4-130	4.0	µg/L	**	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	95.5	97.6	61.3-125	5.0	µg/L	MN	MN	61.3-125	5.0	µg/L	**	
QC Batch: 141117-1	**For samples prepared on: 11/17/2014 0740**					**Spiked sample: 14111137**						
Pentachlorophenol	ND(0.5)	110	74.9-121	4.0	µg/L	MN	MN	10.5-152	4.0	µg/L	**	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	95.5	97.6	61.3-125	5.0	µg/L	MN	MN	61.3-125	5.0	µg/L	**	
QC Batch: 1IC2322	**For sample analyzed on: 11/18/2014**					**Spiked sample: 14110476**						
Chloride	ND(1.0)	94.7	90.0-110	4.0	mg/L	86.5	85.1	71.9-123	40.0	mg/L	0.50	5.2
QC Batch: 1MS9311	**For sample analyzed on: 11/07/2014**					**Spiked sample: 14110476**						
OXY Volatiles by 8260				N/A					N/A			
1,1,1-Trichloroethane	ND(0.5)	102	81.5-118	10.0	µg/L	95.8	101	80.9-119	10.0	µg/L	5.10	8.0
1,2-Dichloroethane	ND(0.5)	89.7	74.4-117	10.0	µg/L	92.3	91.4	76.0-121	10.0	µg/L	1.00	10.3
Benzene	ND(0.5)	96.9	84.4-112	10.0	µg/L	97.8	100.	79.1-119	10.0	µg/L	2.60	6.3
Carbon tetrachloride	ND(0.5)	107	81.7-124	10.0	µg/L	104	104	79.4-126	10.0	µg/L	0.50	8.3
Chloroform	ND(0.5)	96.8	75.7-112	10.0	µg/L	95.2	99.1	72.9-119	10.0	µg/L	4.00	8.1
Chloromethane	ND(0.5)	92.8	72.2-129	10.0	µg/L	95.1	94.3	67.0-134	10.0	µg/L	0.80	11.7
Methylene chloride	ND(0.5)	101	77.0-112	10.0	µg/L	100.	105	75.6-117	10.0	µg/L	4.40	10.5
Tetrachloroethylene	ND(0.5)	111	87.4-118	10.0	µg/L	106	107	83.0-120	10.0	µg/L	0.90	8.2
Trichloroethylene	ND(0.5)	103	82.5-115	10.0	µg/L	98.1	101	82.9-118	10.0	µg/L	2.80	8.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 1MS9311	**For sample analyzed on: 11/07/2014**					**Spiked sample: 14110476**						
Vinyl chloride	ND(0.5)	91.9	76.6-130	10.0	µg/L	90.4	88.4	73.1-135	10.0	µg/L	2.20	12.6
1,2-Dichloropropane	ND(0.5)	94.6	80.8-112	10.0	µg/L	92.0	96.4	81.1-116	10.0	µg/L	4.70	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	85.1	95.9	74.9-126	10.0	µg/L	97.8	99.7	74.9-126	10.0	µg/L		
TOLUENE-d8	106	108	90.5-117	10.0	µg/L	108	106	90.5-117	10.0	µg/L		
QC Batch: 1MS9314	**For sample analyzed on: 11/10/2014**					**Spiked sample: 14110494**						
OXY Volatiles by 8260				N/A					N/A			
1,1,1-Trichloroethane	ND(0.5)	98.4	81.5-118	10.0	µg/L	90.0	94.5	80.9-119	10.0	µg/L	4.90	8.0
1,2-Dichloroethane	ND(0.5)	85.3	74.4-117	10.0	µg/L	84.0	85.3	76.0-121	10.0	µg/L	1.50	10.3
Benzene	ND(0.5)	95.6	84.4-112	10.0	µg/L	89.0	91.5	79.1-119	10.0	µg/L	2.80	6.3
Carbon tetrachloride	ND(0.5)	102	81.7-124	10.0	µg/L	96.0	99.8	79.4-126	10.0	µg/L	3.70	8.3
Chloroform	ND(0.5)	92.4	75.7-112	10.0	µg/L	89.0	93.1	72.9-119	10.0	µg/L	4.20	8.1
Chloromethane	ND(0.5)	86.8	72.2-129	10.0	µg/L	82.9	83.7	67.0-134	10.0	µg/L	1.00	11.7
Methylene chloride	ND(0.5)	105	77.0-112	10.0	µg/L	97.9	94.8	75.6-117	10.0	µg/L	3.20	10.5
Tetrachloroethylene	ND(0.5)	105	87.4-118	10.0	µg/L	103	106	83.0-120	10.0	µg/L	2.10	8.2
Trichloroethylene	ND(0.5)	89.0	82.5-115	10.0	µg/L	93.1	97.1	82.9-118	10.0	µg/L	4.20	8.3
Vinyl chloride	ND(0.5)	84.7	76.6-130	10.0	µg/L	83.2	82.7	73.1-135	10.0	µg/L	0.60	12.6
1,2-Dichloropropane	ND(0.5)	89.8	80.8-112	10.0	µg/L	83.4	87.0	81.1-116	10.0	µg/L	4.20	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	93.5	89.1	74.9-126	10.0	µg/L	87.1	91.1	74.9-126	10.0	µg/L		
TOLUENE-d8	103	108	90.5-117	10.0	µg/L	109	109	90.5-117	10.0	µg/L		
QC Batch: 2IC2322	**For sample analyzed on: 11/18/2014**					**Spiked sample: 14110494**						
Chloride	ND(1.0)	92.3	90.0-110	4.0	mg/L	86.8	74.6	71.9-123	40.0	mg/L	2.60	5.2

Data Qualifiers:

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

ML - The matrix spike and/or matrix spike duplicate recovery for this analyte was below the method or laboratory control limit. See LCS data for the basis for acceptance of this sample. The reported sample concentration is estimated.

MP - The MS/MSD recoveries for this analyte exceeded the method or laboratory precision control limit. The reported sample concentration is estimated.

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

** - RPD calculation not applicable/not available for this analysis.

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110469		**Sample Description:WG-11042014-AK-MW14S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	91.9	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	91.9	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	70.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	32.4	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	50.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	89.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	87.8	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	106	90.5-117
Lab Number: 14110470		**Sample Description:WG-11042014-AK-MW14S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	105	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	105	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	87.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	33.4	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	52.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	98.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	2000	µg/L	88.5	74.9-126
TOLUENE-d8		11/07/2014	2000	µg/L	107	90.5-117
Lab Number: 14110471		**Sample Description:WG-11042014-AK-FD2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	97.9	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	97.9	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	92.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	34.2	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	52.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	2000	µg/L	93.3	74.9-126
TOLUENE-d8		11/07/2014	2000	µg/L	109	90.5-117
Lab Number: 14110472		**Sample Description:WG-11042014-AK-AMW107D**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	93.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	93.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	72.0	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	31.4	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110472		**Sample Description:WG-11042014-AK-AMW107D**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	49.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	96.6	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	91.1	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	107	90.5-117
Lab Number: 14110473		**Sample Description:WG-11042014-AK-AMW107S**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	91.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	91.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	68.0	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	31.3	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	50.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	100.	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	91.3	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	106	90.5-117
Lab Number: 14110474		**Sample Description:WG-11042014-JR-MW133S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	84.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	84.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	69.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	36.7	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	56.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	82.1	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	106	90.5-117
Lab Number: 14110475		**Sample Description:WG-11042014-JR-MW11S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	86.9	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	86.9	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	71.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	33.7	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	52.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	96.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	88.9	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	105	90.5-117
Lab Number: 14110476		**Sample Description:WG-11042014-JR-MW11S3A**				

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110476		**Sample Description:WG-11042014-JR-MW11S3A**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	90.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	90.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	59.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	34.1	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	54.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	97.2	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	88.1	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	108	90.5-117
Lab Number: 14110477		**Sample Description:WG-11042014-JR-MW20S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	89.0	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/12/2014	5.0	µg/L	89.0	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	65.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	33.7	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	51.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	95.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	95.9	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	108	90.5-117
Lab Number: 14110478		**Sample Description:WG-11042014-JR-MW20S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.5	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/24/2014	8.0	µg/L	63.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	30.8	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	48.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	87.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	90.9	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	105	90.5-117
Lab Number: 14110479		**Sample Description:WG-11042014-JR-MW145S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	21.7 SL	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	21.7 SL	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	67.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	35.1	22.3-43.0

Quality Control Report
Sample Surrogate Data

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Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110479		**Sample Description:WG-11042014-JR-MW145S2/S3**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	54.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	96.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	96.6	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	108	90.5-117
Lab Number: 14110479R		**Sample Description:WG-11042014-JR-MW145S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	94.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	94.7	61.3-125
Lab Number: 14110480		**Sample Description:WG-11042014-JR-MW144S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	81.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	81.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	63.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	31.9	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	49.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	81.1	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	97.8	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	104	90.5-117
Lab Number: 14110481		**Sample Description:WG-11052014-AK-APMW302S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	79.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	79.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	68.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	31.6	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	49.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	88.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	92.1	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	105	90.5-117
Lab Number: 14110482		**Sample Description:WG-11052014-AK-APMW302S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.2	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	64.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	32.5	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	53.2	37.7-66.5

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110482		**Sample Description:WG-11052014-AK-APMW302S2**				
OXY GC/MS Acids						
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	96.2	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/07/2014	10	µg/L	85.0	74.9-126
TOLUENE-d8		11/07/2014	10	µg/L	103	90.5-117
Lab Number: 14110483		**Sample Description:WG-11052014-AK-MW26S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	80.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	66.0	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	32.7	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	50.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	84.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	91.9	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	106	90.5-117
Lab Number: 14110484		**Sample Description:WG-11052014-AK-MW26S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	77.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	77.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	64.7	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	35.8	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	55.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	95.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	87.4	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	107	90.5-117
Lab Number: 14110485		**Sample Description:WG-11052014-AK-MW07S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/18/2014	5.0	µg/L	C	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	91.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	84.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/13/2014	150	µg/L	35.8	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/13/2014	150	µg/L	56.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/13/2014	150	µg/L	107	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	1000	µg/L	89.1	74.9-126
TOLUENE-d8		11/10/2014	1000	µg/L	104	90.5-117
Lab Number: 14110485R		**Sample Description:WG-11052014-AK-MW07S1**				
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/21/2014	150	µg/L	36.5	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110485R		**Sample Description:WG-11052014-AK-MW07S1**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/10/2014	11/21/2014	150	µg/L	57.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/21/2014	150	µg/L	109	56.7-128
Lab Number: 14110486		**Sample Description:WG-11052014-AK-MW07S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	89.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	89.2	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	63.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/14/2014	150	µg/L	35.3	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/14/2014	150	µg/L	55.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/14/2014	150	µg/L	101	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	88.6	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	103	90.5-117
Lab Number: 14110487		**Sample Description:WG-11052014-AK-MW07S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	76.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	76.2	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	65.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/14/2014	150	µg/L	33.8	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/14/2014	150	µg/L	53.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/14/2014	150	µg/L	91.1	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	95.4	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	109	90.5-117
Lab Number: 14110488		**Sample Description:WG-11052014-JR-MW132S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	78.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/07/2014	11/13/2014	5.0	µg/L	78.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	67.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/10/2014	11/14/2014	150	µg/L	34.7	22.3-43.0
2-FLUOROPHENOL	11/10/2014	11/14/2014	150	µg/L	53.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/10/2014	11/14/2014	150	µg/L	88.1	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	89.6	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	108	90.5-117
Lab Number: 14110489		**Sample Description:WG-11052014-JR-MW132S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	83.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	83.8	61.3-125

Quality Control Report
Sample Surrogate Data

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Wichita, KS 67277

Date Reported: 12/01/2014
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Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110489		**Sample Description:WG-11052014-JR-MW132S2/S3**				
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	62.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	32.6	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	52.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	91.6	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	106	90.5-117
Lab Number: 14110490		**Sample Description:WG-11052014-JR-MW143S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	89.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	89.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	67.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	35.0	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	55.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	104	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	87.2	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	109	90.5-117
Lab Number: 14110491		**Sample Description:WG-11052014-JR-MW08S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	89.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	89.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	65.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	33.8	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	52.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	98.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	20	µg/L	91.9	74.9-126
TOLUENE-d8		11/10/2014	20	µg/L	108	90.5-117
Lab Number: 14110492		**Sample Description:WG-11052014-JR-MW08S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	93.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	93.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	64.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	36.1	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	57.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	113	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	98.4	74.9-126

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110492		**Sample Description:WG-11052014-JR-MW08S1**				
OXY Volatiles by 8260						
TOLUENE-d8		11/10/2014	10	µg/L	103	90.5-117
Lab Number: 14110493		**Sample Description:WG-11052014-JR-MW08S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	94.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	94.5	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	67.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	35.9	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	56.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	92.1	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	105	90.5-117
Lab Number: 14110494		**Sample Description:WG-11062014-AK-AMW4S**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	90.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	90.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/25/2014	8.0	µg/L	63.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/20/2014	150	µg/L	34.5	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/20/2014	150	µg/L	54.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/20/2014	150	µg/L	99.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	92.4	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	107	90.5-117
Lab Number: 14110495		**Sample Description:WG-11062014-AK-AMW4D**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	94.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/18/2014	5.0	µg/L	94.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	64.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	34.5	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	54.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	97.1	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	82.0	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	104	90.5-117
Lab Number: 14110496		**Sample Description:WG-11062014-AK-AMW5D**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	96.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	96.5	61.3-125

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110496		**Sample Description:WG-11062014-AK-AMW5D**				
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	65.7	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	30.8	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	49.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	95.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	89.6	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	109	90.5-117
Lab Number: 14110497		**Sample Description:WG-11062014-AK-AMW5S**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	110.	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	110.	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	60.0	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	32.2	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	51.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	109	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	94.4	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	107	90.5-117
Lab Number: 14110498		**Sample Description:TB-11062014-AK**				
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/10/2014	10	µg/L	90.1	74.9-126
TOLUENE-d8		11/10/2014	10	µg/L	107	90.5-117

Data Qualifiers:
SL - The surrogate recovery for this analysis was below the method or laboratory control limits. The reported sample concentration may be biased low.

C - Due to matrix interference(s) and/or high concentration(s) of analyte(s) present in the sample, dilution was required causing the spike level for this analyte to be below the reporting limit and/or below the lowest point of the calibration curve.

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
2,4-Dichlorophenoxyacetic Acid	11/12/2014	1NX5316	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/12/2014	2NX5316	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/13/2014	3NX5316	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/13/2014	4NX5316	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/18/2014	1NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/18/2014	2NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	3NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	4NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/24/2014	1NX5328	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/25/2014	2NX5328	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/12/2014	1NX5316	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/12/2014	2NX5316	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/13/2014	3NX5316	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/13/2014	4NX5316	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/13/2014	5NX5316	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/18/2014	1NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/18/2014	2NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	3NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	4NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/24/2014	1NX5328	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/25/2014	2NX5328	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/24/2014	1EX7328	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/24/2014	2EX7328	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/25/2014		CCV recovery acceptable except as qualified below.			
D-BHC	11/25/2014	3EX7328	0.050	0.0585	µg/ml	117 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110476	2EX7328	WG-11042014-JR-MW11S3A
14110477	2EX7328	WG-11042014-JR-MW20S1
14110478	2EX7328	WG-11042014-JR-MW20S3
14110479	2EX7328	WG-11042014-JR-MW145S2/S3
14110480	2EX7328	WG-11042014-JR-MW144S2/S3
14110481	2EX7328	WG-11052014-AK-APMW302S1
14110482	2EX7328	WG-11052014-AK-APMW302S2
14110484	3EX7328	WG-11052014-AK-MW26S1
14110486	3EX7328	WG-11052014-AK-MW07S2
14110487	3EX7328	WG-11052014-AK-MW07S3
14110488	3EX7328	WG-11052014-JR-MW132S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Chlorinated Hyd.	11/25/2014		CCV recovery acceptable except as qualified below.			
A-BHC	11/25/2014	4EX7328	0.050	0.0580	µg/ml	116 CH

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

G-BHC	11/25/2014	4EX7328	0.050	0.0585	µg/ml	117 CH
D-BHC	11/25/2014	4EX7328	0.050	0.060	µg/ml	120 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110484	3EX7328	WG-11052014-AK-MW26S1
14110486	3EX7328	WG-11052014-AK-MW07S2
14110487	3EX7328	WG-11052014-AK-MW07S3
14110488	3EX7328	WG-11052014-JR-MW132S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Chlorinated Hyd.	11/25/2014	1EX7329	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/25/2014	2EX7329	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/26/2014		CCV recovery acceptable except as qualified below.			
A-BHC	11/26/2014	3EX7329	0.050	0.0585	µg/ml	117 CH
G-BHC	11/26/2014	3EX7329	0.050	0.0595	µg/ml	119 CH
D-BHC	11/26/2014	3EX7329	0.050	0.0590	µg/ml	118 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110494	2EX7329	WG-11062014-AK-AMW4S
14110495	2EX7329	WG-11062014-AK-AMW4D
14110496	2EX7329	WG-11062014-AK-AMW5D
14110497	2EX7329	WG-11062014-AK-AMW5S

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Chloride	11/18/2014	1IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	2IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	3IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	4IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	5IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	6IC2322	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/10/2014	10IP4314	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/11/2014	11IP4314	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/19/2014	11IP4323	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/11/2014	12IP4314	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/19/2014	12IP4323	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/11/2014	13IP4314	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/11/2014	14IP4314	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/10/2014	9IP4314	CCV recovery acceptable for this Instrument Batch.			
OXY GC/MS Acids	11/13/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/13/2014	1MS6317	100	103	µg/ml	103 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110469	1MS6317	WG-11042014-AK-MW14S1

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Laboratory Number	Instrument Batch	Sample Description
14110470	1MS6317	WG-11042014-AK-MW14S3
14110471	1MS6317	WG-11042014-AK-FD2
14110472	1MS6317	WG-11042014-AK-AMW107D
14110473	1MS6317	WG-11042014-AK-AMW107S
14110474	1MS6317	WG-11042014-JR-MW133S2/S3
14110475	1MS6317	WG-11042014-JR-MW11S1
14110476	1MS6317	WG-11042014-JR-MW11S3A
14110477	1MS6317	WG-11042014-JR-MW20S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/13/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/13/2014	2MS6317	100	108	µg/ml	108 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110469	1MS6317	WG-11042014-AK-MW14S1
14110470	1MS6317	WG-11042014-AK-MW14S3
14110471	1MS6317	WG-11042014-AK-FD2
14110472	1MS6317	WG-11042014-AK-AMW107D
14110473	1MS6317	WG-11042014-AK-AMW107S
14110474	1MS6317	WG-11042014-JR-MW133S2/S3
14110475	1MS6317	WG-11042014-JR-MW11S1
14110476	1MS6317	WG-11042014-JR-MW11S3A
14110477	1MS6317	WG-11042014-JR-MW20S1
14110478	2MS6317	WG-11042014-JR-MW20S3
14110479	2MS6317	WG-11042014-JR-MW145S2/S3
14110480	2MS6317	WG-11042014-JR-MW144S2/S3
14110481	2MS6317	WG-11052014-AK-APMW302S1
14110482	2MS6317	WG-11052014-AK-APMW302S2
14110483	2MS6317	WG-11052014-AK-MW26S3
14110484	2MS6317	WG-11052014-AK-MW26S1
14110485	2MS6317	WG-11052014-AK-MW07S1
14110486	2MS6317	WG-11052014-AK-MW07S2
14110487	2MS6317	WG-11052014-AK-MW07S3
14110488	2MS6317	WG-11052014-JR-MW132S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/20/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/20/2014	1MS6324	100	102	µg/ml	102 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110489	1MS6324	WG-11052014-JR-MW132S2/S3
14110490	1MS6324	WG-11052014-JR-MW143S2/S3

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/06/2014
Continental File No: 7775
Continental Order No: 122582

Laboratory Number	Instrument Batch	Sample Description
14110491	1MS6324	WG-11052014-JR-MW08S3
14110492	1MS6324	WG-11052014-JR-MW08S1
14110493	1MS6324	WG-11052014-JR-MW08S2
14110494	1MS6324	WG-11062014-AK-AMW4S
14110495	1MS6324	WG-11062014-AK-AMW4D

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/21/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/21/2014	1MS6325	100	106	µg/ml	106 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110485R	1MS6325	WG-11052014-AK-MW07S1
14110496	1MS6325	WG-11062014-AK-AMW5D
14110497	1MS6325	WG-11062014-AK-AMW5S

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Volatiles by 8260	11/07/2014	1MS9311	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	11/10/2014	1MS9314	CCV recovery acceptable for this Instrument Batch.			

Data Qualifiers:
CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported concentration for this analyte may be biased high.

- Laboratory Report Conclusion -

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

Report/EDD - 11/20/14

Address: 8615 W. BRYN MAWR AVE, CHICAGO, IL 60631

Phone: (773) 380-9933 Fax:

COC NO.: 34813

CAS ORDER NO: 12258

PAGE 1 OF 2

(See Reverse Side for Instructions)

Project No/ Phase/Task Code:	054046 - D23122 / 42407
Project Name:	OCC WICHITA
Project Location:	WICHITA, KANSAS
Chemistry Contact:	~~CLIFF BAKER~~ PAUL McMAHON
Sampler(s):	ANDY KREIN / JEREMY RAYE
Laboratory Name:	CONTINENTAL ANALYTICAL
Lab Contact:	CLIFF BAKER
Lab Location:	SALINA, KS
Lab Quote No:	
SSOW ID:	251-402-D02-3100
Cooler No:	
Carrier:	CONTINENTAL
Airbill No:	N/A
Date Shipped:	

	Sample Identification	Date	Time	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	SVOCs	PESTICIDES/HERBICIDES	CHLORIDE/HARDNESS								Equis made prior to sample receipt
1	WG-11042014-AK-MW14S1	11/04/14	13:00	WG	G	5	3							8	X	X	X	X								Discrepancies
2	WG-11042014-AK-MW14S3	11/04/14	14:20	WG	G	5	3							8	X	X	X	X								See C/S RF
3	WG-11042014-AK-FD2	11/04/14	—	WG	G	5	3							8	X	X	X	X								
4	WG-11042014-AK-AMW107D	11/04/14	15:25	WG	G	5	3							8	X	X	X	X								
5	WG-11042014-AK-AMW107S	11/04/14	16:00	WG	G	5	3							8	X	X	X	X								
6	WG-11042014-JR-MW133S2/S3	11/04/14	09:50	WG	G	5	3							8	X	X	X	X								
7	WG-11042014-JR-MW11S1	11/04/14	10:50	WG	G	5	3							8	X	X	X	X								
8	WG-11042014-JR-MW11S3A	11/04/14	11:25	WG	G	15	9							24	X	X	X	X							X	MS/MSD
9	WG-11042014-JR-MW20S1	11/04/14	14:05	WG	G	5	3							8	X	X	X	X								
10	WG-11042014-JR-MW20S3	11/04/14	14:55	WG	G	5	3							8	X	X	X	X								
11	WG-11042014-JR-MW145S2/S3	11/04/14	16:15	WG	G	5	3							8	X	X	X	X								
12	WG-11042014-JR-MW144S2/S3	11/04/14	17:25	WG	G	5	3							8	X	X	X	X								
13	WG-11052014-AK-APMW302S1	11/05/14	09:45	WG	G	5	3							8	X	X	X	X								
14	WG-11052014-AK-APMW302S2	11/05/14	10:25	WG	G	5	3							8	X	X	X	X								
15	WG-11052014-AK-MW26S3	11/05/14	12:10	WG	G	5	3							8	X	X	X	X								

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 136

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. [signature]	CRA	11/6/2014	15:00	1. [signature]	CAS	11614	1500
2. [signature]	CAS	11614	1655	2.			
3. [signature]	CAS	11-6-14	1655	3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10B (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

Report HEAD - 11/20/14

Address: 8615 WEST BRYN MAWR AVE, CHICAGO, IL 60631

Phone: (773) 380-9933 Fax:

COC NO.: 34809

PAGE 2 OF 2

CAS ORDER NO: 122582 (See Reverse Side for Instructions)

Project No/ Phase/Task Code: 054046-D23122/42407	Laboratory Name: CONTINENTAL ANALYTICAL	Lab Location: SALINA, KS	SSOW ID: 251-402-D02-3100
Project Name: OCC WICHITA	Lab Contact: CLIFF BAKER	Lab Quote No:	Cooler No:
Project Location: WICHITA, KANSAS			Carrier: CONTINENTAL
Chemistry Contact: PAUL McMAHON			Airbill No: N/A
Sampler(s): ANDY KREIN / JEREMY RAYE			Date Shipped:

#	Sample Identification	Date	Time	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	SVOCs	PESTICIDES/HERBICIDES	CHLORIDE/HARDNESS							MS/MSD Request	Remarks
1	WG-11052014-AK-MW26S1	11/05/14	12:50	WG	G	5	3							8	X	X	X	X								
2	WG-11052014-AK-MW07S1	11/05/14	15:10	WG	G	5	3							8	X	X	X	X								
3	WG-11052014-AK-MW07S2	11/05/14	16:05	WG	G	5	3							8	X	X	X	X								
4	WG-11052014-AK-MW07S3	11/05/14	16:40	WG	G	5	3							8	X	X	X	X								
5	WG-11052014-JR-MW132S1	11/05/14	09:50	WG	G	5	3							8	X	X	X	X								
6	WG-11052014-JR-MW132S2/S3	11/05/14	10:50	WG	G	5	3							8	X	X	X	X								
7	WG-11052014-JR-MW143S2/S3	11/05/14	11:30	WG	G	5	3							8	X	X	X	X								
8	WG-11052014-JR-MW08S3	11/05/14	14:15	WG	G	5	3							8	X	X	X	X								
9	WG-11052014-JR-MW08S1	11/05/14	15:15	WG	G	5	3							8	X	X	X	X								
10	WG-11052014-JR-MW08S2	11/05/14	16:50	WG	G	5	3							8	X	X	X	X								
11	WG-11062014-AK-AMW4S	11/06/14	09:10	WG	G	15	9							24	X	X	X	X							X	MS/MSD
12	WG-11062014-AK-AMW4D	11/06/14	10:05	WG	G	5	3							8	X	X	X	X								
13	WG-11062014-AK-AMW5D	11/06/14	11:40	WG	G	5	3							8	X	X	X	X								
14	WG-11062014-AK-AMW5S	11/06/14	12:40	WG	G	5	3							8	X	X	X	X								
15	TB-11062014-AK	—	—	—	—		3							3	X											

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 131

All Samples in Cooler must be on COC

Notes/ Special Requirements: 136 + 131 = 267 TOTAL CONTAINERS

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. [signature]	CRA	11/6/2014	15:00	1. [signature]	CAS	11/6/14	1500
2. [signature]	CAS	11/6/14	1655	2.			
3. [signature]	CAS	11-6-14	1655	3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10B (20110804)

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: 7778

Sample ID's in cooler: 5 - 505

3251 5253 4253 DMW SD LA

14 5253 13 2 52 53 ~~0752~~ 2LA

MW 0753 4LA

Cooler 1 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 2165 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.3 Corrected Reading (°C) 2.7

mmt 11-6-14

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☐ No ☒ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments: 145253 should be 1435253
date / times match

Completed by: [signature] **Date Completed:** 11-6-14

H:\CAS SOPs\Support Services-Proj. Mgmnt\SS 4 Sample Receipt Rev 3.0\ATT C1 Cooler-Sample Receipt Form.XLS

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5-506

0752 0751 2651 4LA

Cooler 2 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16:55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.6 Corrected Reading (°C) 1.7

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0.1

mws 12-6-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5 - 505

FD2 107S 4LA

107D LA

Cooler 3 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3673 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.6 Corrected Reading (°C) 2.0

mmd 11-6-14

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: 7775

Sample ID's in cooler: 5+ 505

852 4LA

553 2LA

851 2LA

1153A 2508

Cooler 4 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3920 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.0 Corrected Reading (°C) 2.4

mmt 11-6-14 Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: MS

Sample ID's in cooler: 5-405

2653, 30251 30252 4LA

Cooler 5 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.2 Corrected Reading (°C) 1.3

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 55Y Thermo. Correction Factor (°C): 0.1

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: 7775

Sample ID's in cooler: 5-105

1153A 121A 5-2501

Cooler 4 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4032 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.7 Corrected Reading (°C) 3.8

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0.1

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5 - 505

AMW4J 11LA 3-250P

Cooler 1 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3270 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 4.6 Corrected Reading (°C) 5.0

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

11-6-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

H:\CAS SOPs\Support Services-Proj. Mgmt\SS 4 Sample Receipt Rev 3.0\ATT C1 Cooler-Sample Receipt Form.XLS

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 51-505

325253 1435253 26A
13251 36A 851 26A 250P
853, 5D 6A
853 6A 250P AMD557500

Cooler 8 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3189 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.0 Corrected Reading (°C) 1.4
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mmd 11-6-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: 7775

Sample ID's in cooler: 50-205

1151 1335253 YLA

2051 - 3LA

Cooler 9 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 14 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.3 Corrected Reading (°C) 1.4

Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0-1

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PG **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5.- KOC
4D - 4LA 250P
5S 4LA
5D 2LA 250P
4S LA
852- 250P

Cooler 10 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3148 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.7 Corrected Reading (°C) 4.1
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mmd 11-6-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

H:\CAS SOPs\Support Services-Proj. Mgmnt\SS 4 Sample Receipt Rev 3.0\ATT C1 Cooler-Sample Receipt Form.XLS

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5 - 505

MW1451 MW1453 4LA 250P 107D 3LA 250P
FD2 1075 250P

Cooler 11 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3527 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.6 Corrected Reading (°C) 3.0

mmt 11-6-14 Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122582

Client Name: OXY

CAS File No.: 7775

Sample ID's in cooler: 51 - 505

45233 3LA

MW 3053 1LA

1 4 4 n 00 3LA 2508

2051 LA

115 3A 1151 2508

Cooler 12 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.9 Corrected Reading (°C) 1.3

mmt 11-6-14 Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☑ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐

☐ Container label absent

☐ Chain of Custody incomplete [see detail below]

☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)

☐ Date or Time sampled obtained from container label

☐ Chain of Custody missing sampler's name

☐ Chain of Custody missing matrix (sample type)

☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody

☐ Sample listed on Chain of Custody, not received

☐ Sample identification on container and Chain of Custody do not agree

☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]

☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]

☐ Broken or leaking containers (detail actions below)

☐ Sample container type or labeled chemical preservation inappropriate

☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122552

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler: 5.-505

MW11

0753 1435253 MW2651 MW2651 1325253

30252 2653 0753 0752, 30253

Cooler 13 **of** 13 **for this CAS Order No.**

Cooler Identification: CAS Cooler #:_____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 6 / 14 16 : 55

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other:_____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other:_____

Cooler Temperature (°C): Original Reading (°C) 16 Corrected Reading (°C) 2.0

mmt 11-6-14 Temperature. By: Temperature Blank Surface Temperature

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☐ No ☒ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☒ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments: MW1153A - 1 Broken VOC

Completed by: [signature] **Date Completed:** 11-6-14

Continental Analytical Services, Inc.

Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date and Time Received: 11/10/2014 1030
Continental File No.: 7775
Continental Order No.: 122626
Project ID: 054046-042407
Purchase Auth: GSH00009; CRA#42407

Dear Ms. Thurman:

This laboratory report, containing the samples indicated below, includes 79 pages for the analytical report, 2 page(s) for the chain of custody and/or analysis request, and 12 page(s) for the sample receipt form.

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
14110698	WG-11062014-JR-MW30S1	Liquid	11/6/2014
14110699	WG-11062014-JR-MW30S3	Liquid	11/6/2014
14110700	WG-11062014-JR-MW149S2S3	Liquid	11/6/2014
14110701	WG-11062014-JR-MW31S1	Liquid	11/6/2014
14110702	WG-11062014-AK-MW25S1	Liquid	11/6/2014
14110703	WG-11062014-AK-APMW302S3	Liquid	11/6/2014
14110704	WG-11072014-JR-MW10S2	Liquid	11/7/2014
14110705	WG-11072014-JR-MW10S1	Liquid	11/7/2014
14110706	WG-11072014-JR-MW10S3	Liquid	11/7/2014
14110707	WG-11072014-JR-MW138S2/S3	Liquid	11/7/2014
14110708	WG-11072014-JR-MW138S1	Liquid	11/7/2014
14110709	WG-11072014-AK-MW21S1	Liquid	11/7/2014
14110710	WG-11072014-AK-MW21S3	Liquid	11/7/2014
14110711	WG-11072014-AK-MW13S3	Liquid	11/7/2014
14110712	WG-11072014-AK-MW13S1	Liquid	11/7/2014
14110713	WG-11072014-AK-MW03S1	Liquid	11/7/2014
14110713R	WG-11072014-AK-MW03S1	Liquid	11/7/2014
14110714	WG-11082014-JR-AMW105S	Liquid	11/8/2014
14110715	WG-11082014-JR-AMW105D	Liquid	11/8/2014
14110716	WG-11082014-JR-MW142S2/S3	Liquid	11/8/2014
14110717	WG-11082014-JR-MW137S3	Liquid	11/8/2014
14110718	WG-11092014-JR-MW147S1	Liquid	11/9/2014
14110719	WG-11092014-JR-MW148S1	Liquid	11/9/2014
14110720	WG-11092014-JR-MW09S3	Liquid	11/9/2014
14110721	WG-11092014-AK-MW147S2/S3	Liquid	11/9/2014
14110722	WG-11092014-AK-MW148S2/S3	Liquid	11/9/2014
14110723	WG-11092014-AK-MW09S1	Liquid	11/9/2014
14110724	WG-11092014-AK-MW146S1	Liquid	11/9/2014
14110725	WG-11092014-AK-FD4	Liquid	11/9/2014
14110726	TB-11102014-AK	Liquid	11/10/2014

The Appendix and Quality Control sections are integral parts of this laboratory report and may contain important data qualifiers.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

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Thank you for choosing Continental for this project.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110698
Sample Description: WG-11062014-JR-MW30S1

Date Sampled: 11/06/2014
Time Sampled: 1050

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.014	µg/L	7410/57
B-BHC	0.128	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	2.6	µg/L	7348/349
Chloroform	3.5	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	521	mg/L as CaCO3	7443/110
Chloride	670	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0126	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0126	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1458	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1616	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1228	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0400	141113-7	15IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2226	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110698

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110699
Sample Description: WG-11062014-JR-MW30S3

Date Sampled: 11/06/2014
Time Sampled: 1200

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.15	µg/L	7410/57
B-BHC	0.328	µg/L	7410/57
G-BHC	0.11	µg/L	7410/57
Hexachloroethane	5.47	µg/L	7410/57
Hexachlorobutadiene	0.05	µg/L	7410/57
Hexachlorobenzene	ND(0.20)	µg/L	7410/57
D-BHC	ND(0.1)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	6.1	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(200)	µg/L	7348/349
1,2-Dichloroethane	ND(200)	µg/L	7348/349
Benzene	ND(200)	µg/L	7348/349
Carbon tetrachloride	12400	µg/L	7348/349
Chloroform	200	µg/L	7348/349
Chloromethane	ND(200)	µg/L	7348/349
Methylene chloride	ND(200)	µg/L	7348/349
Tetrachloroethylene	ND(200)	µg/L	7348/349
Trichloroethylene	ND(200)	µg/L	7348/349
Vinyl chloride	ND(200)	µg/L	7348/349
1,2-Dichloropropane	ND(200)	µg/L	7348/349
Hardness (Calculated)	615	mg/L as CaCO3	7443/110
Chloride	650	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0205	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0205	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1541	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1701	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1256	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0405	141113-7	15IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2239	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110699

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110700
Sample Description: WG-11062014-JR-MW149S2S3

Date Sampled: 11/06/2014
Time Sampled: 1450

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.109	µg/L	7410/57
B-BHC	0.621	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	12.3	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/355
1,2-Dichloroethane	4.6	µg/L	7348/355
Benzene	2.5	µg/L	7348/355
Carbon tetrachloride	ND(0.5)	µg/L	7348/355
Chloroform	ND(0.5)	µg/L	7348/355
Chloromethane	ND(0.5)	µg/L	7348/355
Methylene chloride	ND(0.5)	µg/L	7348/355
Tetrachloroethylene	15.5	µg/L	7348/355
Trichloroethylene	12.5	µg/L	7348/355
Vinyl chloride	ND(0.5)	µg/L	7348/355
1,2-Dichloropropane	ND(0.5)	µg/L	7348/355
Hardness (Calculated)	798	mg/L as CaCO3	7443/110
Chloride	1230	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0244	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0244	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1624	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1745	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/14/14 1512	1MS5318	1MS5318	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0417	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2251	2IC2322	5IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110700

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110701
Sample Description: WG-11062014-JR-MW31S1

Date Sampled: 11/06/2014
Time Sampled: 1640

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	0.038	µg/L	7410/57
B-BHC	0.271	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(5)	µg/L	7348/349
1,2-Dichloroethane	ND(5)	µg/L	7348/349
Benzene	ND(5)	µg/L	7348/349
Carbon tetrachloride	140.	µg/L	7348/349
Chloroform	8	µg/L	7348/349
Chloromethane	ND(5)	µg/L	7348/349
Methylene chloride	ND(5)	µg/L	7348/349
Tetrachloroethylene	ND(5)	µg/L	7348/349
Trichloroethylene	ND(5)	µg/L	7348/349
Vinyl chloride	ND(5)	µg/L	7348/349
1,2-Dichloropropane	ND(5)	µg/L	7348/349
Hardness (Calculated)	299	mg/L as CaCO3	7443/110
Chloride	241	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0323	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0323	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1707	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1829	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1413	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0422	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2343	2IC2322	6IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110701

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110702
Sample Description: WG-11062014-AK-MW25S1

Date Sampled: 11/06/2014
Time Sampled: 1630

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/417
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/417
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/417
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/417
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/417
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/417
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	355	mg/L as CaCO3	7443/110
Chloride	83	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0403	141111-2	2NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0403	141111-2	2NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1749	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/21/14 1913	141112-1	1MS6325	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1439	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0426	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/18/14 2356	2IC2322	6IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110702

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110703
Sample Description: WG-11062014-AK-APMW302S3

Date Sampled: 11/06/2014
Time Sampled: 1730

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	1.5	µg/L	7348/349
Chloroform	4.8	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	1.4	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	287	mg/L as CaCO3	7443/110
Chloride	47.1	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0521	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0521	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1832	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 0941	141112-1	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1505	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0430	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0008	2IC2322	6IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110703

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110704
Sample Description: WG-11072014-JR-MW10S2

Date Sampled: 11/07/2014
Time Sampled: 0920

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	28.4	µg/L	7348/349
Chloroform	2.1	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	1.5	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	351	mg/L as CaCO3	7443/110
Chloride	125	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0809	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0809	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1914	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 1025	141112-1	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1531	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0434	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0021	2IC2322	6IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110704

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110705
Sample Description: WG-11072014-JR-MW10S1

Date Sampled: 11/07/2014
Time Sampled: 1020

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	2.1	µg/L	7348/349
Chloroform	3.1	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	0.9	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	422	mg/L as CaCO3	7443/110
Chloride	218	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0849	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0849	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 1957	141110-3	1EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 1109	141112-1	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1557	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0438	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0034	2IC2322	6IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110705

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110706
Sample Description: WG-11072014-JR-MW10S3

Date Sampled: 11/07/2014
Time Sampled: 1115

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	1.4	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	99.0	mg/L as CaCO3	7443/114
Chloride	11.0	mg/L	7277/619

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 0928	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 0928	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 2204	141110-3	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 1447	141112-1	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/11/14 1623	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0048	141114-4	13IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 1809	1IC2323	4IC2323	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110706

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110707
Sample Description: WG-11072014-JR-MW138S2/S3

Date Sampled: 11/07/2014
Time Sampled: 1325

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	1.2	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	266	mg/L as CaCO3	7443/110
Chloride	78	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 1007	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 1007	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 2247	141110-3	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 1531	141112-1	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/11/14 1649	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0443	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0216	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110707

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110708
Sample Description: WG-11072014-JR-MW138S1

Date Sampled: 11/07/2014
Time Sampled: 1400

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/63
Pentachlorophenol	ND(0.5)	µg/L	7411/63
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	237	mg/L as CaCO3	7443/110
Chloride	38.1	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/11/14 1200	11/19/14 1047	141111-2	3NX5322	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/11/14 1200	11/19/14 1047	141111-2	3NX5322	JMM	8151A(M)
OXY Chlorinated Hyd.	11/10/14 1500	11/26/14 2329	141110-3	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 0800	11/26/14 1615	141112-1	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/11/14 1715	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0447	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0229	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110708

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110709
Sample Description: WG-11072014-AK-MW21S1

Date Sampled: 11/07/2014
Time Sampled: 0915

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	830.	mg/L as CaCO3	7443/110
Chloride	1390	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 1812	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 1812	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0136	141113-1	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 1637	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1741	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0451	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0242	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110709

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110710
Sample Description: WG-11072014-AK-MW21S3

Date Sampled: 11/07/2014
Time Sampled: 1005

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	7.2	µg/L	7348/349
Chloroform	0.5	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	261	mg/L as CaCO3	7443/110
Chloride	97	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 1851	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 1851	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0218	141113-1	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 1721	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1806	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0456	141113-7	16IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0255	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110710

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110711
Sample Description: WG-11072014-AK-MW13S3

Date Sampled: 11/07/2014
Time Sampled: 1100

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	2.0	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	211	mg/L as CaCO3	7443/110
Chloride	70.	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 1931	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 1931	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0301	141113-1	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 1806	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1832	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0508	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0308	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110711

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110712
Sample Description: WG-11072014-AK-MW13S1

Date Sampled: 11/07/2014
Time Sampled: 1230

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	389	mg/L as CaCO3	7443/114
Chloride	32.8	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 2010	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 2010	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0343	141113-1	2EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 1850	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1858	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0052	141114-4	13IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0321	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110712

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110713
Sample Description: WG-11072014-AK-MW03S1

Date Sampled: 11/07/2014
Time Sampled: 1500

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	OC	µg/L	7410/57
B-BHC	0.206	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	1.6	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	215	mg/L as CaCO3	7443/114
Chloride	40.5	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 2049	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 2049	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0550	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 1934	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1924	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0056	141114-4	13IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0333	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110713

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110713R
Sample Description: WG-11072014-AK-MW03S1

Date Sampled: 11/07/2014
Time Sampled: 1500

A laboratory number ending with R is from a second preparation and/or analysis of the sample.

Analysis	Concentration	Units	Book/Page
OXY Chlorinated Hyd.			
A-BHC	1.51	µg/L	7410/58
B-BHC	0.17	µg/L	7410/58
G-BHC	ND(0.10) QC	µg/L	7410/58
Hexachloroethane	ND(0.04)	µg/L	7410/58
Hexachlorobutadiene	ND(0.04)	µg/L	7410/58
Hexachlorobenzene	ND(0.20)	µg/L	7410/58
D-BHC	ND(0.1) QC	µg/L	7410/58

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Chlorinated Hyd.	11/13/14 0900	12/01/14 1304	141113-1	1EX7335	JMM	8121
Chlorinated Hydrocarbons Preparation Method						3510C

Conclusion of Lab Number: 14110713R

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110714
Sample Description: WG-11082014-JR-AMW105S

Date Sampled: 11/08/2014
Time Sampled: 0905

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	185	mg/L as CaCO3	7443/114
Chloride	13.9	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 2128	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 2128	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0632	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 2019	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 1950	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0101	141114-4	13IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0346	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110714

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110715
Sample Description: WG-11082014-JR-AMW105D

Date Sampled: 11/08/2014
Time Sampled: 1015

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	237	mg/L as CaCO3	7443/114
Chloride	22.0	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 2207	141113-7	1NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 2207	141113-7	1NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0714	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 2103	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 2015	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0113	141114-4	14IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0359	3IC2322	7IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110715

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110716
Sample Description: WG-11082014-JR-MW142S2/S3

Date Sampled: 11/08/2014
Time Sampled: 1115

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	ND(0.5)	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	183	mg/L as CaCO3	7443/114
Chloride	19.8	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/19/14 2326	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/19/14 2326	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0757	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 2147	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 2041	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0117	141114-4	14IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0450	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110716

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110717
Sample Description: WG-11082014-JR-MW137S3

Date Sampled: 11/08/2014
Time Sampled: 1545

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/349
1,2-Dichloroethane	ND(0.5)	µg/L	7348/349
Benzene	ND(0.5)	µg/L	7348/349
Carbon tetrachloride	0.7	µg/L	7348/349
Chloroform	ND(0.5)	µg/L	7348/349
Chloromethane	ND(0.5)	µg/L	7348/349
Methylene chloride	ND(0.5)	µg/L	7348/349
Tetrachloroethylene	ND(0.5)	µg/L	7348/349
Trichloroethylene	ND(0.5)	µg/L	7348/349
Vinyl chloride	ND(0.5)	µg/L	7348/349
1,2-Dichloropropane	ND(0.5)	µg/L	7348/349
Hardness (Calculated)	286 QC	mg/L as CaCO3	7443/114
Chloride	74	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0005	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0005	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0839	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 2231	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/11/14 2107	1MS5315	1MS5315	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0122	141114-4	14IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0503	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110717

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110718
Sample Description: WG-11092014-JR-MW147S1

Date Sampled: 11/09/2014
Time Sampled: 1035

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/418
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/418
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/418
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/418
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/418
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/418
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	375	mg/L as CaCO3	7443/114
Chloride	53	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0044	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0044	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 0922	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/22/14 2315	141112-2	1MS6326	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1230	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 0823	11/21/14 0138	141114-4	14IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0516	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110718

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110719
Sample Description: WG-11092014-JR-MW148S1

Date Sampled: 11/09/2014
Time Sampled: 1155

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	0.173	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	0.19	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0) QC	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5) QC	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	0.6	µg/L	7350/284
Chloroform	3.9	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	0.9	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	718 QC	mg/L as CaCO3	7443/110
Chloride	910	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0123	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0123	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1004	141113-1	3EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 1659	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1300	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0512	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0529	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110719

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110720
Sample Description: WG-11092014-JR-MW09S3

Date Sampled: 11/09/2014
Time Sampled: 1400

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	11.4	µg/L	7350/284
Chloroform	9.2	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	2.7	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	208	mg/L as CaCO3	7443/110
Chloride	81	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0320	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0320	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1336	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 1911	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1413	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0529	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0607	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110720

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110721
Sample Description: WG-11092014-AK-MW147S2/S3

Date Sampled: 11/09/2014
Time Sampled: 1020

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	41.5	µg/L	7350/284
Chloroform	11.5	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	2.0	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	248	mg/L as CaCO3	7443/110
Chloride	73	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0400	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0400	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1419	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 1955	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1437	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0534	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0620	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110721

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110722
Sample Description: WG-11092014-AK-MW148S2/S3

Date Sampled: 11/09/2014
Time Sampled: 1140

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	0.076	µg/L	7410/57
B-BHC	4.13	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	0.06	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	1.2	µg/L	7350/284
Chloroform	4.5	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	4.0	µg/L	7350/284
Trichloroethylene	1.0	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	483	mg/L as CaCO3	7443/110
Chloride	1240	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0439	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0439	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1502	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 2038	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1502	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0538	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0633	3IC2322	8IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110722

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110723
Sample Description: WG-11092014-AK-MW09S1

Date Sampled: 11/09/2014
Time Sampled: 1415

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	0.399	µg/L	7410/57
B-BHC	0.061	µg/L	7410/57
G-BHC	0.128	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	0.86	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	0.36	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(2)	µg/L	7350/284
1,2-Dichloroethane	93.6	µg/L	7350/284
Benzene	19	µg/L	7350/284
Carbon tetrachloride	ND(2)	µg/L	7350/284
Chloroform	ND(2)	µg/L	7350/284
Chloromethane	ND(2)	µg/L	7350/284
Methylene chloride	ND(2)	µg/L	7350/284
Tetrachloroethylene	120.	µg/L	7350/284
Trichloroethylene	176	µg/L	7350/284
Vinyl chloride	ND(2)	µg/L	7350/284
1,2-Dichloropropane	ND(2)	µg/L	7350/284
Hardness (Calculated)	786	mg/L as CaCO3	7443/110
Chloride	470	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0518	141113-7	2NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0518	141113-7	2NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1544	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 2122	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1526	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0542	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0737	3IC2322	9IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110723

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110724
Sample Description: WG-11092014-AK-MW146S1

Date Sampled: 11/09/2014
Time Sampled: 1550

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/57
B-BHC	ND(0.037)	µg/L	7410/57
G-BHC	ND(0.052)	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	ND(0.02)	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	ND(0.05)	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	323	mg/L as CaCO3	7443/110
Chloride	32.3	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0636	141113-7	3NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
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Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0636	141113-7	3NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1627	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 2206	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1635	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0546	141113-7	17IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0749	3IC2322	9IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110724

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110725
Sample Description: WG-11092014-AK-FD4

Date Sampled: 11/09/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/64
Pentachlorophenol	ND(0.5)	µg/L	7411/64
OXY Chlorinated Hyd.			
A-BHC	0.366	µg/L	7410/57
B-BHC	0.055	µg/L	7410/57
G-BHC	0.118	µg/L	7410/57
Hexachloroethane	ND(0.02)	µg/L	7410/57
Hexachlorobutadiene	0.84	µg/L	7410/57
Hexachlorobenzene	ND(0.10)	µg/L	7410/57
D-BHC	0.32	µg/L	7410/57
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/421
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/421
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/421
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/421
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/421
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/421
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(2)	µg/L	7350/284
1,2-Dichloroethane	94.7	µg/L	7350/284
Benzene	19	µg/L	7350/284
Carbon tetrachloride	ND(2)	µg/L	7350/284
Chloroform	ND(2)	µg/L	7350/284
Chloromethane	ND(2)	µg/L	7350/284
Methylene chloride	ND(2)	µg/L	7350/284
Tetrachloroethylene	120.	µg/L	7350/284
Trichloroethylene	179	µg/L	7350/284
Vinyl chloride	ND(2)	µg/L	7350/284
1,2-Dichloropropane	ND(2)	µg/L	7350/284
Hardness (Calculated)	807	mg/L as CaCO3	7443/110
Chloride	471	mg/L	7277/618

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/13/14 1700	11/20/14 0715	141113-7	3NX5323	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/13/14 1700	11/20/14 0715	141113-7	3NX5323	JMM	8151A(M)
OXY Chlorinated Hyd.	11/13/14 0900	11/27/14 1709	141113-1	4EX7330	JMM	8121
OXY GC/MS Acids	11/12/14 1430	11/26/14 2249	141112-2	1MS6330	BLP	8270C
OXY Volatiles by 8260	N/A	11/13/14 1648	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/13/14 1154	11/18/14 0559	141113-7	18IP4321	KMW	6010B & SM 2340B
Chloride	N/A	11/19/14 0802	3IC2322	9IC2322	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14110725

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Lab Number: 14110726
Sample Description: TB-11102014-AK

Date Sampled: 11/10/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Volatiles by 8260	N/A	11/13/14 1712	1MS9317	1MS9317	RKR	8260B
Volatile Analysis Preparation Method						5030B

Conclusion of Lab Number: 14110726

Appendix

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

ND( ), where reported, indicates the analyte was not detected above the Limit of Quantitation (LOQ). The concentration of the LOQ is inside the parentheses.

All samples which require cooling were received at a temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

OC - The response for this analyte exceeded the calibration range of the instrument. Sample dilution and reanalysis is necessary to obtain an accurate result. The reported result, if provided, is estimated.

QC - QC data qualifiers were noted. See the Quality Control Report.

Accreditation Summary

Client: Occidental Chemical Corporation
Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

NELAP accreditation is issued under each EPA regulatory program for a given matrix/analyte/method combination. Continental is NELAP accredited for each matrix/analyte/method and EPA program cited in this Laboratory Report, except for those listed in the table below and for analyses performed in the field. For most of the analyses listed in the table, NELAP accreditation is not offered under the listed EPA program and Continental is NELAP accredited for the analysis, using the same analytical technology, but under a different EPA program. Continental's full NELAP accreditation status may be viewed at www.kdheks.gov/envlab. Note that unless qualified otherwise in the Laboratory Report, Continental performs all analyses, including each analysis listed in the table below, utilizing NELAP protocol.

Test	Analysis	Matrix-Regulatory Program	Method	CAS NELAP Accredited in Other Reg. Program
CL351	OXY Chlorinated Hyd.	L-RCRA	8121	
CL351	Hexachloroethane	L-RCRA	8121	No
CL351	Hexachlorobutadiene	L-RCRA	8121	No
MS302	OXY GC/MS Acids	L-RCRA	8270C	
MS302	3-& 4-Chlorophenol	L-RCRA	8270C	No
MS302	2,5-Dichlorophenol	L-RCRA	8270C	No
MS302	2,3,4,5-Tetrachlorophenol	L-RCRA	8270C	No

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
CL223	2,4-Dichlorophenoxyacetic Acid	141111-2	141111BLK2 11/18/14 1536	141111LCS2 11/18/14 1616	14110494MS 11/18/14 2249
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705 14110706 14110707 14110708					
CL223	2,4-Dichlorophenoxyacetic Acid	141113-7	141113BLK7 11/19/14 1653	141113LCS7 11/19/14 1733	14110719MS 11/20/14 0202
Lab numbers associated with this batch: 14110709 14110710 14110711 14110712 14110713 14110714 14110715 14110716 14110717 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725					
CL350	Pentachlorophenol	141111-2	141111BLK2 11/18/14 1536	141111LCS2 11/18/14 1616	14110494MS 11/18/14 2249
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705 14110706 14110707 14110708					
CL350	Pentachlorophenol	141113-7	141113BLK7 11/19/14 1653	141113LCS7 11/19/14 1733	14110719MS 11/20/14 0202
Lab numbers associated with this batch: 14110709 14110710 14110711 14110712 14110713 14110714 14110715 14110716 14110717 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725					
CL351	OXY Chlorinated Hyd.	141110-3	141110BLK3 11/25/14 1559	141110LCS3 11/25/14 1642	14110494MS 11/26/14 0032
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705 14110706 14110707 14110708					
CL351	OXY Chlorinated Hyd.	141113-1	141113BLK1 11/27/14 0011	141113LCS1 11/27/14 0053	14110719MS 11/27/14 1046
Lab numbers associated with this batch: 14110709 14110710 14110711 14110712 14110713 14110713R 14110714 14110715 14110716 14110717 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725					
MS302	OXY GC/MS Acids	141112-1	141112BLK1 11/20/14 1722	141112LCS1 11/20/14 1806	14110494MS 11/20/14 2315
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705 14110706 14110707 14110708					
MS302	OXY GC/MS Acids	141112-2	141112BLK2 11/22/14 1508	141112LCS2 11/22/14 1553	14110719MS 11/26/14 1743
Lab numbers associated with this batch: 14110709 14110710 14110711 14110712 14110713 14110714 14110715 14110716 14110717 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725					
MS350	OXY Volatiles by 8260	1MS5315	BLK1MS5315 11/11/14 1201	LCS1MS5315 11/11/14 1109	14110699MS 11/11/14 1322
Lab numbers associated with this batch: 14110698 14110699 14110701 14110702 14110703 14110704 14110705 14110706 14110707 14110708 14110709 14110710 14110711 14110712 14110713 14110714 14110715 14110716 14110717					

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
MS350	OXY Volatiles by 8260	1MS9317	BLK1MS9317 11/13/14 1158	LCS1MS9317 11/13/14 1110	14110719MS 11/13/14 1324
Lab numbers associated with this batch: 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725 14110726					
MS350	OXY Volatiles by 8260	1MS5318	BLK1MS5318 11/14/14 1143	LCS1MS5318 11/14/14 1051	14111137MS 11/14/14 1604
Lab numbers associated with this batch: 14110700					
SL323	Hardness (Calculated)	141113-7	141113BLK7 11/18/14 0352	141113LCS7 11/18/14 0356	14110719MS 11/18/14 0517
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705 14110707 14110708 14110709 14110710 14110711 14110719 14110720 14110721 14110722 14110723 14110724 14110725					
SL323	Hardness (Calculated)	141114-4	141114BLK4 11/21/14 0040	141114LCS4 11/21/14 0044	14110717MS 11/21/14 0126
Lab numbers associated with this batch: 14110706 14110712 14110713 14110714 14110715 14110716 14110717 14110718					
GL502	Chloride	1IC2323	BLK1IC2323 11/19/14 0949	LCS1IC2323 11/19/14 1002	14111465MS 11/19/14 1535
Lab numbers associated with this batch: 14110706					
GL502	Chloride	2IC2322	BLK2IC2322 11/18/14 1744	LCS2IC2322 11/18/14 1757	14110494MS 11/18/14 2109
Lab numbers associated with this batch: 14110698 14110699 14110700 14110701 14110702 14110703 14110704 14110705					
GL502	Chloride	3IC2322	BLK3IC2322 11/19/14 0100	LCS3IC2322 11/19/14 0112	14110719MS 11/19/14 0541
Lab numbers associated with this batch: 14110707 14110708 14110709 14110710 14110711 14110712 14110713 14110714 14110715 14110716 14110717 14110718 14110719 14110720 14110721 14110722 14110723 14110724 14110725					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141110-3	**For samples prepared on: 11/10/2014 1500**					**Spiked sample: 14110494**						
OXY Chlorinated Hyd.				N/A		MN	MN		N/A			
A-BHC	ND(0.011)	100.	79.1-131	0.50	µg/L			75.2-138	0.50	µg/L	**	15.8
B-BHC	ND(0.037)	86.2	75.0-135	0.50	µg/L			72.4-137	0.50	µg/L	**	17.5
G-BHC	ND(0.052)	101	77.8-133	0.50	µg/L			77.9-137	0.50	µg/L	**	16.6
Hexachloroethane	ND(0.02)	67.0	46.8-125	0.50	µg/L			31.6-131	0.50	µg/L	**	22.6
Hexachlorobutadiene	ND(0.02)	53.8	41.2-130	0.50	µg/L			29.4-129	0.50	µg/L	**	25.6
Hexachlorobenzene	ND(0.10)	82.8	70.8-133	0.50	µg/L			64.7-137	0.50	µg/L	**	19.3
D-BHC	ND(0.05)	104	76.9-150	0.50	µg/L			73.2-157	0.50	µg/L	**	17.1
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	62.1	63.1	58.6-99.8	8.0	µg/L	MN	MN	58.6-99.8	8.0	µg/L	**	
QC Batch: 141111-2	**For samples prepared on: 11/11/2014 1200**					**Spiked sample: 14110494**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	113	69.8-136	4.0	µg/L	MN	MN	77.4-130	4.0	µg/L	**	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	89.7	103	61.3-125	5.0	µg/L	MN	MN	61.3-125	5.0	µg/L	**	
QC Batch: 141111-2	**For samples prepared on: 11/11/2014 1200**					**Spiked sample: 14110494**						
Pentachlorophenol	ND(0.5)	106	74.9-121	4.0	µg/L	MN	MN	10.5-152	4.0	µg/L	**	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	89.7	103	61.3-125	5.0	µg/L	MN	MN	61.3-125	5.0	µg/L	**	
QC Batch: 141112-1	**For samples prepared on: 11/12/2014 0800**					**Spiked sample: 14110494**						
OXY GC/MS Acids				N/A		MN	MN		N/A			
2-Chlorophenol	ND(5.0)	90.4	70.2-103	50.0	µg/L			69.9-103	50.0	µg/L	**	8.8
3-& 4-Chlorophenol	ND(5.0)	78.5	60.2-90.2	50.0	µg/L			59.9-92.2	50.0	µg/L	**	10.3
2,4-Dichlorophenol	ND(5.0)	85.7	69.4-120	50.0	µg/L			67.9-124	50.0	µg/L	**	12.8
2,5-Dichlorophenol	ND(5.0)	104	74.7-110	50.0	µg/L			77.0-100	50.0	µg/L	**	14.7
2,6-Dichlorophenol	ND(5.0)	93.2	75.6-115	50.0	µg/L			73.8-118	50.0	µg/L	**	7.8
2,4,5-Trichlorophenol	ND(5.0)	96.3	78.9-118	50.0	µg/L			80.6-118	50.0	µg/L	**	8.9
2,4,6-Trichlorophenol	ND(5.0)	96.5	78.5-118	50.0	µg/L			79.4-120	50.0	µg/L	**	9.9
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	100 CE	72.6-125	100	µg/L			73.7-125	100	µg/L	**	11.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	102	72.9-128	50.0	µg/L			75.1-128	50.0	µg/L	**	12.5
Surrogate Data:												
PHENOL-d6	33.5	36.1	22.3-43.0	150	µg/L	MN	MN	22.3-43.0	150	µg/L	**	
2-FLUOROPHENOL	53.2	57.2	37.7-66.5	150	µg/L	MN	MN	37.7-66.5	150	µg/L	**	
2,4,6-TRIBROMOPHENOL	83.8	106	56.7-128	150	µg/L	MN	MN	56.7-128	150	µg/L	**	
QC Batch: 141112-2	**For samples prepared on: 11/12/2014 1430**					**Spiked sample: 14110719**						
OXY GC/MS Acids				N/A					N/A			
2-Chlorophenol	ND(5.0)	82.4	70.2-103	50.0	µg/L	82.3	88.4	69.9-103	50.0	µg/L	7.10	8.8
3-& 4-Chlorophenol	ND(5.0)	69.9	60.2-90.2	50.0	µg/L	72.9	74.6	59.9-92.2	50.0	µg/L	2.30	10.3
2,4-Dichlorophenol	ND(5.0)	77.1	69.4-120	50.0	µg/L	77.7	94.4 MP	67.9-124	50.0	µg/L	19.4	12.8
2,5-Dichlorophenol	ND(5.0)	94.1	74.7-110	50.0	µg/L	96.0	86.6	77.0-100	50.0	µg/L	10.2	14.7
2,6-Dichlorophenol	ND(5.0)	84.2	75.6-115	50.0	µg/L	88.3	90.3	73.8-118	50.0	µg/L	2.30	7.8
2,4,5-Trichlorophenol	ND(5.0)	84.9	78.9-118	50.0	µg/L	89.8	94.3	80.6-118	50.0	µg/L	4.80	8.9
2,4,6-Trichlorophenol	ND(5.0)	87.5	78.5-118	50.0	µg/L	89.4	92.2	79.4-120	50.0	µg/L	3.00	9.9
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	87.4 CE	72.6-125	100	µg/L	91.3 CE	96.8 CE	73.7-125	100	µg/L	5.80	11.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	88.4	72.9-128	50.0	µg/L	94.9	100.	75.1-128	50.0	µg/L	5.70	12.5
Surrogate Data:												
PHENOL-d6	31.2	33.2	22.3-43.0	150	µg/L	33.1	35.9	22.3-43.0	150	µg/L		
2-FLUOROPHENOL	49.0	52.0	37.7-66.5	150	µg/L	50.1	55.7	37.7-66.5	150	µg/L		
2,4,6-TRIBROMOPHENOL	76.7	95.7	56.7-128	150	µg/L	101	108	56.7-128	150	µg/L		

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141113-1	**For samples prepared on: 11/13/2014 0900**					**Spiked sample: 14110719**						
OXY Chlorinated Hyd.				N/A					N/A			
A-BHC	ND(0.011)	93.0	79.1-131	0.50	µg/L	100.	108	75.2-138	0.50	µg/L	7.00	15.8
B-BHC	ND(0.037)	83.0	75.0-135	0.50	µg/L	92.2	109	72.4-137	0.50	µg/L	13.2	17.5
G-BHC	ND(0.052)	96.2	77.8-133	0.50	µg/L	104	113	77.9-137	0.50	µg/L	7.80	16.6
Hexachloroethane	ND(0.02)	70.6	46.8-125	0.50	µg/L	71.6	77.2	31.6-131	0.50	µg/L	7.50	22.6
Hexachlorobutadiene	ND(0.02)	58.6	41.2-130	0.50	µg/L	57.7	62.1	29.4-129	0.50	µg/L	7.10	25.6
Hexachlorobenzene	ND(0.10)	84.4	70.8-133	0.50	µg/L	86.3	93.3	64.7-137	0.50	µg/L	5.90	19.3
D-BHC	ND(0.05)	95.8	76.9-150	0.50	µg/L	108	121	73.2-157	0.50	µg/L	11.0	17.1
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	75.0	76.2	58.6-99.8	8.0	µg/L	84.7	91.9	58.6-99.8	8.0	µg/L		
QC Batch: 141113-7	**For samples prepared on: 11/13/2014 1700**					**Spiked sample: 14110719**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	114	69.8-136	4.0	µg/L	112	109	77.4-130	4.0	µg/L	2.70	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	82.1	101	61.3-125	5.0	µg/L	101	100.	61.3-125	5.0	µg/L		
QC Batch: 141113-7	**For samples prepared on: 11/13/2014 1700**					**Spiked sample: 14110719**						
Pentachlorophenol	ND(0.5)	107	74.9-121	4.0	µg/L	72.5	69.4	10.5-152	4.0	µg/L	4.40	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	82.1	101	61.3-125	5.0	µg/L	101	100.	61.3-125	5.0	µg/L		
QC Batch: 141113-7	**For samples prepared on: 11/13/2014 1154**					**Spiked sample: 14110719**						
Hardness (Calculated)	ND(5.0)	85.0	80.0-120	357	mg/L a	63.4 ML	67.9 ML	80.0-120	357	mg/L a	1.70	20.0
QC Batch: 141114-4	**For samples prepared on: 11/14/2014 0823**					**Spiked sample: 14110717**						
Hardness (Calculated)	ND(5.0)	85.2	80.0-120	357	mg/L a	79.2 ML	80.7	80.0-120	357	mg/L a	0.90	20.0
QC Batch: 1IC2323	**For sample analyzed on: 11/19/2014**					**Spiked sample: 14111465**						
Chloride	ND(1.0)	97.8	90.0-110	4.0	mg/L	MN	MN	71.9-123	4.0	mg/L	**	5.2
QC Batch: 1MS5315	**For sample analyzed on: 11/11/2014**					**Spiked sample: 14110699**						
OXY Volatiles by 8260				N/A					N/A			
1,1,1-Trichloroethane	ND(0.5)	96.9	81.5-118	10.0	µg/L	97.3	100.	80.9-119	4000	µg/L	2.90	8.0
1,2-Dichloroethane	ND(0.5)	98.8	74.4-117	10.0	µg/L	103	102	76.0-121	4000	µg/L	1.00	10.3
Benzene	ND(0.5)	93.9	84.4-112	10.0	µg/L	95.5	98.8	79.1-119	4000	µg/L	3.40	6.3
Carbon tetrachloride	ND(0.5)	94.6	81.7-124	10.0	µg/L	105	107	79.4-126	4000	µg/L	0.60	8.3
Chloroform	ND(0.5)	95.3	75.7-112	10.0	µg/L	94.9	97.2	72.9-119	4000	µg/L	2.30	8.1
Chloromethane	ND(0.5)	83.5	72.2-129	10.0	µg/L	83.8	91.4	67.0-134	4000	µg/L	8.70	11.7
Methylene chloride	ND(0.5)	92.6	77.0-112	10.0	µg/L	92.6	92.3	75.6-117	4000	µg/L	0.30	10.5
Tetrachloroethylene	ND(0.5)	94.1	87.4-118	10.0	µg/L	95.4	97.5	83.0-120	4000	µg/L	2.20	8.2
Trichloroethylene	ND(0.5)	96.6	82.5-115	10.0	µg/L	96.2	99.4	82.9-118	4000	µg/L	3.30	8.3
Vinyl chloride	ND(0.5)	84.7	76.6-130	10.0	µg/L	80.6	83.1	73.1-135	4000	µg/L	3.10	12.6
1,2-Dichloropropane	ND(0.5)	96.2	80.8-112	10.0	µg/L	95.2	98.0	81.1-116	4000	µg/L	2.90	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	103	99.2	74.9-126	10.0	µg/L	100.	95.2	74.9-126	4000	µg/L		
TOLUENE-d8	104	104	90.5-117	10.0	µg/L	101	102	90.5-117	4000	µg/L		
QC Batch: 1MS5318	**For sample analyzed on: 11/14/2014**					**Spiked sample: 14111137**						
OXY Volatiles by 8260				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	93.6	81.5-118	10.0	µg/L			80.9-119	10.0	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	99.4	74.4-117	10.0	µg/L			76.0-121	10.0	µg/L	**	10.3
Benzene	ND(0.5)	96.9	84.4-112	10.0	µg/L			79.1-119	10.0	µg/L	**	6.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 1MS5318	**For sample analyzed on: 11/14/2014**					**Spiked sample: 14111137**						
Carbon tetrachloride	ND(0.5)	99.2	81.7-124	10.0	µg/L			79.4-126	10.0	µg/L	**	8.3
Chloroform	ND(0.5)	95.7	75.7-112	10.0	µg/L			72.9-119	10.0	µg/L	**	8.1
Chloromethane	ND(0.5)	94.0	72.2-129	10.0	µg/L			67.0-134	10.0	µg/L	**	11.7
Methylene chloride	ND(0.5)	102	77.0-112	10.0	µg/L			75.6-117	10.0	µg/L	**	10.5
Tetrachloroethylene	ND(0.5)	91.8	87.4-118	10.0	µg/L			83.0-120	10.0	µg/L	**	8.2
Trichloroethylene	ND(0.5)	95.6	82.5-115	10.0	µg/L			82.9-118	10.0	µg/L	**	8.3
Vinyl chloride	ND(0.5)	91.3	76.6-130	10.0	µg/L			73.1-135	10.0	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	95.7	80.8-112	10.0	µg/L			81.1-116	10.0	µg/L	**	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	109	101	74.9-126	10.0	µg/L	MN	MN	74.9-126	10.0	µg/L	**	
TOLUENE-d8	102	103	90.5-117	10.0	µg/L	MN	MN	90.5-117	10.0	µg/L	**	
QC Batch: 1MS9317	**For sample analyzed on: 11/13/2014**					**Spiked sample: 14110719**						
OXY Volatiles by 8260				N/A					N/A			
1,1,1-Trichloroethane	ND(0.5)	96.9	81.5-118	10.0	µg/L	92.8	97.8	80.9-119	10.0	µg/L	5.20	8.0
1,2-Dichloroethane	ND(0.5)	82.1	74.4-117	10.0	µg/L	79.0	88.4 MP	76.0-121	10.0	µg/L	11.2	10.3
Benzene	ND(0.5)	93.9	84.4-112	10.0	µg/L	91.1	96.4	79.1-119	10.0	µg/L	5.70	6.3
Carbon tetrachloride	ND(0.5)	103	81.7-124	10.0	µg/L	99.4	107	79.4-126	10.0	µg/L	6.80	8.3
Chloroform	ND(0.5)	93.2	75.7-112	10.0	µg/L	91.1	90.7	72.9-119	10.0	µg/L	0.30	8.1
Chloromethane	ND(0.5)	88.1	72.2-129	10.0	µg/L	82.5	87.5	67.0-134	10.0	µg/L	5.90	11.7
Methylene chloride	ND(0.5)	102	77.0-112	10.0	µg/L	98.1	99.3	75.6-117	10.0	µg/L	1.20	10.5
Tetrachloroethylene	ND(0.5)	113	87.4-118	10.0	µg/L	111	114	83.0-120	10.0	µg/L	2.40	8.2
Trichloroethylene	ND(0.5)	96.7	82.5-115	10.0	µg/L	96.8	102	82.9-118	10.0	µg/L	4.90	8.3
Vinyl chloride	ND(0.5)	86.6	76.6-130	10.0	µg/L	86.5	88.3	73.1-135	10.0	µg/L	2.10	12.6
1,2-Dichloropropane	ND(0.5)	87.4	80.8-112	10.0	µg/L	87.7	91.3	81.1-116	10.0	µg/L	4.00	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	90.0	87.4	74.9-126	10.0	µg/L	86.9	86.6	74.9-126	10.0	µg/L		
TOLUENE-d8	105	111	90.5-117	10.0	µg/L	110.	108	90.5-117	10.0	µg/L		
QC Batch: 2IC2322	**For sample analyzed on: 11/18/2014**					**Spiked sample: 14110494**						
Chloride	ND(1.0)	92.3	90.0-110	4.0	mg/L	MN	MN	71.9-123	40.0	mg/L	**	5.2
QC Batch: 3IC2322	**For sample analyzed on: 11/19/2014**					**Spiked sample: 14110719**						
Chloride	ND(1.0)	94.4	90.0-110	4.0	mg/L	91.6	87.5	71.9-123	400	mg/L	1.30	5.2

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

MP - The MS/MSD recoveries for this analyte exceeded the method or laboratory precision control limit. The reported sample concentration is estimated.

ML - The matrix spike and/or matrix spike duplicate recovery for this analyte was below the method or laboratory control limit. See LCS data for the basis for acceptance of this sample. The reported sample concentration is estimated.

** - RPD calculation not applicable/not available for this analysis.

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
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Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110698		**Sample Description:WG-11062014-JR-MW30S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	90.1	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	90.1	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	87.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	33.9	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	53.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	106	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	104	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	99.1	90.5-117
Lab Number: 14110699		**Sample Description:WG-11062014-JR-MW30S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	94.0	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	94.0	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	94.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	33.7	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	54.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	106	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	4000	µg/L	102	74.9-126
TOLUENE-d8		11/11/2014	4000	µg/L	104	90.5-117
Lab Number: 14110700		**Sample Description:WG-11062014-JR-MW149S2S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	84.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	84.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	83.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	35.1	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	56.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	109	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/14/2014	10	µg/L	104	74.9-126
TOLUENE-d8		11/14/2014	10	µg/L	102	90.5-117
Lab Number: 14110701		**Sample Description:WG-11062014-JR-MW31S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	89.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	89.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	85.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	28.9	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110701		**Sample Description:WG-11062014-JR-MW31S1**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	45.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	76.1	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	100	µg/L	100.	74.9-126
TOLUENE-d8		11/11/2014	100	µg/L	105	90.5-117
Lab Number: 14110702		**Sample Description:WG-11062014-AK-MW25S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	91.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	91.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	87.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/21/2014	150	µg/L	33.8	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/21/2014	150	µg/L	53.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/21/2014	150	µg/L	100.	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	102	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	101	90.5-117
Lab Number: 14110703		**Sample Description:WG-11062014-AK-APMW302S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	91.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	91.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	79.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	36.0	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	55.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	92.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	105	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	101	90.5-117
Lab Number: 14110704		**Sample Description:WG-11072014-JR-MW10S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	97.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	97.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	75.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	34.6	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	55.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	93.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	104	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	98.9	90.5-117
Lab Number: 14110705		**Sample Description:WG-11072014-JR-MW10S1**				

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

Date Reported: 12/01/2014
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Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110705		**Sample Description:WG-11072014-JR-MW10S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	93.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	93.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	78.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	36.3	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	56.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	92.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	104	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	98.3	90.5-117
Lab Number: 14110706		**Sample Description:WG-11072014-JR-MW10S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	88.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	88.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	81.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	35.6	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	55.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	98.5	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	102	90.5-117
Lab Number: 14110707		**Sample Description:WG-11072014-JR-MW138S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	95.0	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	95.0	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	83.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	35.4	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	53.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	85.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	102	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	104	90.5-117
Lab Number: 14110708		**Sample Description:WG-11072014-JR-MW138S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	79.1	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/11/2014	11/19/2014	5.0	µg/L	79.1	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/10/2014	11/26/2014	8.0	µg/L	79.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	31.4	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
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Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110708		**Sample Description:WG-11072014-JR-MW138S1**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	50.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	81.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	101	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	100.	90.5-117
Lab Number: 14110709		**Sample Description:WG-11072014-AK-MW21S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	84.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	84.2	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	80.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	34.2	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	53.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	94.9	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	108	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	103	90.5-117
Lab Number: 14110710		**Sample Description:WG-11072014-AK-MW21S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	92.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	92.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	82.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	34.2	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	55.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	98.6	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	102	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	106	90.5-117
Lab Number: 14110711		**Sample Description:WG-11072014-AK-MW13S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	92.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	92.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	83.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	34.7	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	54.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	99.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	96.1	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	102	90.5-117
Lab Number: 14110712		**Sample Description:WG-11072014-AK-MW13S1**				

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
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Wichita, KS 67277

Date Reported: 12/01/2014
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Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110712		**Sample Description:WG-11072014-AK-MW13S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	89.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	89.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	80.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	32.1	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	50.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	93.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	96.3	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	103	90.5-117
Lab Number: 14110713		**Sample Description:WG-11072014-AK-MW03S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	88.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	88.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	82.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	34.4	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	52.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	100.	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	102	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	100.	90.5-117
Lab Number: 14110713R		**Sample Description:WG-11072014-AK-MW03S1**				
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	12/01/2014	8.0	µg/L	84.9	58.6-99.8
Lab Number: 14110714		**Sample Description:WG-11082014-JR-AMW105S**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	84.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	84.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	83.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	33.4	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	52.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	93.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	110.	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	98.1	90.5-117
Lab Number: 14110715		**Sample Description:WG-11082014-JR-AMW105D**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	85.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	85.5	61.3-125

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

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Continental File No: 7775
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Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110715		**Sample Description:WG-11082014-JR-AMW105D**				
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	78.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	31.8	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	51.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	92.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	99.1	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	100.	90.5-117
Lab Number: 14110716		**Sample Description:WG-11082014-JR-MW142S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	98.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/19/2014	5.0	µg/L	98.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	80.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	32.7	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	51.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	96.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	101	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	102	90.5-117
Lab Number: 14110717		**Sample Description:WG-11082014-JR-MW137S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	101	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	101	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	80.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	33.5	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	53.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	87.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/11/2014	10	µg/L	106	74.9-126
TOLUENE-d8		11/11/2014	10	µg/L	97.9	90.5-117
Lab Number: 14110718		**Sample Description:WG-11092014-JR-MW147S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	86.2	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/22/2014	150	µg/L	33.8	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/22/2014	150	µg/L	52.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/22/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	84.4	74.9-126

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110718		**Sample Description:WG-11092014-JR-MW147S1**				
OXY Volatiles by 8260						
TOLUENE-d8		11/13/2014	10	µg/L	108	90.5-117
Lab Number: 14110719		**Sample Description:WG-11092014-JR-MW148S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.2	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	88.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	32.3	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	50.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	93.6	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	84.8	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	109	90.5-117
Lab Number: 14110720		**Sample Description:WG-11092014-JR-MW09S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	93.0	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	93.0	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	84.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	35.0	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	53.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	91.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	83.2	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	104	90.5-117
Lab Number: 14110721		**Sample Description:WG-11092014-AK-MW147S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	97.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	97.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	91.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	33.5	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	51.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	98.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	84.7	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	106	90.5-117
Lab Number: 14110722		**Sample Description:WG-11092014-AK-MW148S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	90.2	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	90.2	61.3-125

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110722		**Sample Description:WG-11092014-AK-MW148S2/S3**				
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	86.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	33.4	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	51.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	96.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	82.7	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	108	90.5-117
Lab Number: 14110723		**Sample Description:WG-11092014-AK-MW09S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	91.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	91.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	90.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	33.3	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	51.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	98.3	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	40	µg/L	89.9	74.9-126
TOLUENE-d8		11/13/2014	40	µg/L	107	90.5-117
Lab Number: 14110724		**Sample Description:WG-11092014-AK-MW146S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	96.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	96.5	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	84.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	34.7	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	53.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	94.4	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	80.6	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	105	90.5-117
Lab Number: 14110725		**Sample Description:WG-11092014-AK-FD4**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.1	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/13/2014	11/20/2014	5.0	µg/L	87.1	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/13/2014	11/27/2014	8.0	µg/L	83.7	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/12/2014	11/26/2014	150	µg/L	35.2	22.3-43.0
2-FLUOROPHENOL	11/12/2014	11/26/2014	150	µg/L	54.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/12/2014	11/26/2014	150	µg/L	98.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	40	µg/L	90.1	74.9-126

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14110725		**Sample Description:WG-11092014-AK-FD4**				
OXY Volatiles by 8260						
TOLUENE-d8		11/13/2014	40	µg/L	106	90.5-117
Lab Number: 14110726		**Sample Description:TB-11102014-AK**				
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	88.4	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	109	90.5-117

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
2,4-Dichlorophenoxyacetic Acid	11/18/2014	2NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	3NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	4NX5322	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	1NX5323	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/19/2014	2NX5323	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/20/2014	3NX5323	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/20/2014	4NX5323	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/18/2014	2NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	3NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	4NX5322	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	1NX5323	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/19/2014	2NX5323	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/20/2014	3NX5323	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/20/2014	4NX5323	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/26/2014	1EX7330	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/26/2014	2EX7330	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/27/2014	3EX7330	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/27/2014	4EX7330	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	11/27/2014	5EX7330	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/01/2014	1EX7335	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/01/2014		CCV recovery acceptable except as qualified below.			
G-BHC	12/01/2014	2EX7335	0.050	0.0585	µg/ml	117 CH
D-BHC	12/01/2014	2EX7335	0.050	0.0590	µg/ml	118 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110713R	1EX7335	WG-11072014-AK-MW03S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Chloride	11/18/2014	5IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/18/2014	6IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	7IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	8IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	9IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	10IC2322	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	4IC2323	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/19/2014	5IC2323	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	13IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	14IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/18/2014	15IP4321	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	15IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/18/2014	16IP4321	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/18/2014	17IP4321	CCV recovery acceptable for this Instrument Batch.			

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Hardness (Calculated)	11/18/2014	18IP4321	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/18/2014	19IP4321	CCV recovery acceptable for this Instrument Batch.			
OXY GC/MS Acids	11/21/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/21/2014	1MS6325	100	106	µg/ml	106 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110698	1MS6325	WG-11062014-JR-MW30S1
14110699	1MS6325	WG-11062014-JR-MW30S3
14110700	1MS6325	WG-11062014-JR-MW149S2S3
14110701	1MS6325	WG-11062014-JR-MW31S1
14110702	1MS6325	WG-11062014-AK-MW25S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/22/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/22/2014	1MS6326	100	101	µg/ml	101 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110709	1MS6326	WG-11072014-AK-MW21S1
14110710	1MS6326	WG-11072014-AK-MW21S3
14110711	1MS6326	WG-11072014-AK-MW13S3
14110712	1MS6326	WG-11072014-AK-MW13S1
14110713	1MS6326	WG-11072014-AK-MW03S1
14110714	1MS6326	WG-11082014-JR-AMW105S
14110715	1MS6326	WG-11082014-JR-AMW105D
14110716	1MS6326	WG-11082014-JR-MW142S2/S3
14110717	1MS6326	WG-11082014-JR-MW137S3
14110718	1MS6326	WG-11092014-JR-MW147S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/26/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/26/2014	2MS6329	100	105	µg/ml	105 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110703	2MS6329	WG-11062014-AK-APMW302S3
14110704	2MS6329	WG-11072014-JR-MW10S2
14110705	2MS6329	WG-11072014-JR-MW10S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/26/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/26/2014	1MS6330	100	104	µg/ml	104 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14110706	1MS6330	WG-11072014-JR-MW10S3

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
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P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/01/2014
Date Received: 11/10/2014
Continental File No: 7775
Continental Order No: 122626

Laboratory Number	Instrument Batch	Sample Description
14110707	1MS6330	WG-11072014-JR-MW138S2/S3
14110708	1MS6330	WG-11072014-JR-MW138S1
14110719	1MS6330	WG-11092014-JR-MW148S1
14110720	1MS6330	WG-11092014-JR-MW09S3
14110721	1MS6330	WG-11092014-AK-MW147S2/S3
14110722	1MS6330	WG-11092014-AK-MW148S2/S3
14110723	1MS6330	WG-11092014-AK-MW09S1
14110724	1MS6330	WG-11092014-AK-MW146S1
14110725	1MS6330	WG-11092014-AK-FD4

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Volatiles by 8260	11/11/2014	1MS5315	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	11/14/2014	1MS5318	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	11/13/2014	1MS9317	CCV recovery acceptable for this Instrument Batch.			

Data Qualifiers:
CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported concentration for this analyte may be biased high.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

- Laboratory Report Conclusion -

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

Report/EDD - 12/07/14

Address: 8615 W. BRYN MAWR AVE, CHICAGO, IL 60631

Phone: (773) 380-9933 Fax:

COC NO.: 38271

CAS ORDER NO: 1221624

PAGE 1 OF 2

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 054046-023122/42407	Laboratory Name: CONTINENTAL ANALY.	Lab Location: SALINA, KS	SSOW ID: 251-402-D02-3100
Project Name: OCC WICHITA	Lab Contact: CLIFF BAKER	Lab Quote No:	Cooler No:
Project Location: PAUL McMAHON			Carrier: CONTINENTAL
Chemistry Contact: WICHITA, KS			Airbill No: —
Sampler(s): A. KREIN / J. RAYE			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested (See Back of COC for Definitions): SVOCs	Herb. & Pest.	VOCs	Chloride/Hardness	MS/MSD Request	Comments/ Special Instructions:
1	WG-11062014-JR-MW30S1	11/6/2014	10:50	WG	G	5	3							8	X	X	X	X		
2	WG-11062014-JR-MW30S3	↓	12:00	↓	↓	5	3							8	X	X	X	X		
3	WG-11062014-JR-MW149S2S3	↓	14:50	↓	↓	5	3							8	X	X	X	X		
4	WG-11062014-JR-MW31S1	↓	16:40	↓	↓	5	3							8	X	X	X	X		
5	WG-11062014-AK-MW25S1	↓	16:30	↓	↓	5	3							8	X	X	X	X		
6	WG-11062014-AK-APMW30253	↓	17:30	↓	↓	5	3							8	X	X	X	X		
7	WG-11072014-JR-MW10S2	11/07/2014	09:20	↓	↓	5	3							8	X	X	X	X		
8	WG-11072014-JR-MW10S1	↓	10:20	↓	↓	5	3							8	X	X	X	X		
9	WG-11072014-JR-MW10S3	↓	11:15	↓	↓	5	3							8	X	X	X	X		
10	WG-11072014-JR-MW138S2/S3	↓	13:25	↓	↓	5	3							8	X	X	X	X		
11	WG-11072014-JR-MW138S1	↓	14:00	↓	↓	5	3							8	X	X	X	X		
12	WG-11072014-AK-MW21S1	↓	09:15	↓	↓	5	3							8	X	X	X	X		
13	WG-11072014-AK-MW21S3	↓	10:05	↓	↓	5	3							8	X	X	X	X		
14	WG-11072014-AK-MW13S3	↓	11:00	↓	↓	5	3							8	X	X	X	X		
15	WG-11072014-AK-MW13S1	↓	12:30	↓	↓	5	3							8	X	X	X	X		

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 120

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. [signature]	CRA	11/10/2014	08:45	1. [signature]	CAS	11 10 14	845
2. [signature]	CAS	11 10 14	1030	2. [signature]	CAS	11-10-14	1030
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

Report/EDD- 12/01/14

COC NO: 38272

PAGE 2 OF 2

Address: 8615 W. BRYN MAWR AVE, CHICAGO, IL 60631

Phone: 773-380-9933 Fax:

CAS ORDER NO: 1224024

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 054046-D23122 / 42407	Laboratory Name: CONTINENTAL ANALYTICAL	Lab Location: SALINA, KS	SSOW ID: 251-402-002-3100
Project Name: OCC WICHITA	Lab Contact: CLIFF BAKER	Lab Quote No:	Cooler No:
Project Location: WICHITA, KANSAS			Carrier: CONTINENTAL
Chemistry Contact: PAUL McMAHON			Airbill No:
Sampler(s): A. KREIN / J. RAYE			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	SVOCs	PESTICIDES + HERBICIDES	CHLORIDE + HARDNESS						MS/MSD Request	Comments/ Special Instructions:
1	WG-11072014-AK-MW035S1	11/07/14	15:00	WG	G	5	3							8	X	X	X	X							
2	WG-11082014-JR-AMW105S	11/08/14	09:05	WG	G	5	3							8	X	X	X	X							
3	WG-11082014-JR-AMW105D	↓	10:15	WG	G	5	3							8	X	X	X	X							
4	WG-11082014-JR-MW142S2/S3		11:15	WG	G	5	3							8	X	X	X	X							
5	WG-11082014-JR-MW137S3		15:45	WG	G	5	3							8	X	X	X	X							
6	WG-11092014-JR-MW147S1	11/09/14	10:35	WG	G	5	3							8	X	X	X	X							
7	WG-11092014-JR-MW148S1		11:55	WG	G	15	9							24	X	X	X	X						X	MS/MSD
8	WG-11092014-JR-MW09S3		14:00	WG	G	5	3							8	X	X	X	X							
9	WG-11092014-AK-MW147S2/S3		10:20	WG	G	5	3							8	X	X	X	X							
10	WG-11092014-AK-MW148S2/S3		11:40	WG	G	5	3							8	X	X	X	X							
11	WG-11092014-AK-MW09S1		14:15	WG	G	5	3							8	X	X	X	X							
12	WG-11092014-AK-MW146S1		15:50	WG	G	5	3							8	X	X	X	X							
13	WG-11092014-AK-FD4	↓	—	WG	G	5	3							8	X	X	X	X							
14	TB-11102014-AK	11/10/14	—	WG	-		3							3	X										
15														123											

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

120 + 123 = 243 TOTAL SAMPLE CONTAINERS

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	11/10/2014	08:45	1.	CAS	11/10/14	8:45
2.	CAS	11/10/14	1030	2.	CAS	11-10-14	1030
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 14751, 14852/53, 14752/53-4CA 250P

Cooler 1 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 2055 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 20

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.8 Corrected Reading (°C) 3.2
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ **No** ☐ **Yes** **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: VOCs
30253-2CA

Cooler 2 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4112 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.1 Corrected Reading (°C) 0.5
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ **No** ☐ **Yes** **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 1353, 2153-[redacted]CA
2151-2CA

Cooler 3 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4111 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 20

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.2 Corrected Reading (°C) 0.4
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 14851 12LA 3.250P

Cooler 4 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4117 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: ✓ Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.7 Corrected Reading (°C) 4.1
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 1226026

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 1055, 1050-4LA
13753-2LA
14252, 153-2LA

Cooler 5 of 12 for this CAS Order No.

Cooler Identification: CAS Cooler #: 3922 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 20

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: ✓ Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.0 Corrected Reading (°C) 1.4
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK Date Completed: 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 1022626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 0951, 0953, FD4- 4LA 250P

Cooler 6 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3152 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.0 Corrected Reading (°C) 3.1
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0.1

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ **No** ☐ **Yes** **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 0351, 1351 -4LA 250P
2153, 1051, 1052, 1053, 13851, 13852, 53, 11353, 2151 -250P

Cooler 7 of 12 for this CAS Order No.

Cooler Identification: CAS Cooler #: 1926 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: ✓ Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.9 Corrected Reading (°C) 2.3
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK Date Completed: 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 1051, 1052-4A
1053-3CA

Cooler 8 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4116 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.9 Corrected Reading (°C) 1.3
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 2551-4A 250P
30253-2A 250P
3051, 3053-2A
1495253-4A

Cooler 9 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3206 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.4 Corrected Reading (°C) 2.8
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 1385253, 13851-4LA
1053-LA
2151-2LA

Cooler 10 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 0005 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 30

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: ✓ Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.9 Corrected Reading (°C) 3.0
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0.1

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ **No** ☐ **Yes** **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: HG **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental **CAS File No.:** 7775

Sample ID's in cooler: 3151 - 4LA 250P
3053, 3051 - 2LA, 250P
1495253 - 3LA 250P

Cooler 11 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3135 / Client's Cooler / Box / Letter / Hand-delivered
Other:

Date/Time Cooler Received: 11 / 10 / 14 10 : 20

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other:

Custody Seal: Present: Intact / Broken Absent: X Seal No:
Seal Name: Seal Date:
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other:

Cooler Temperature (°C): Original Reading (°C) 3.4 Corrected Reading (°C) 3.8
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies:

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122626

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 13753-3LA 250P
14651-4LA 250P
14252/53 2LA 250P
1055, 1055D - 250P

Cooler 12 **of** 12 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4101 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 10 / 14 10 : 20

Delivered By: UPS / FedX / AB Express / Field Svc / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: C Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.7 Corrected Reading (°C) 1.1
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 58 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: PK **Date Completed:** 11-10-14

Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date and Time Received: 11/12/2014 1715
Continental File No.: 7775
Continental Order No.: 122702
Project ID: 054046-042407
Purchase Auth: GSH00009; CRA#42407

Dear Ms. Thurman:

This laboratory report, containing the samples indicated below, includes 57 pages for the analytical report, 2 page(s) for the chain of custody and/or analysis request, and 9 page(s) for the sample receipt form.

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
14111132	WG-11102014-JR-MW15S2	Liquid	11/10/2014
14111133	WG-11102014-JR-MW140S2/S3	Liquid	11/10/2014
14111134	WG-11102014-JR-MW137S2	Liquid	11/10/2014
14111135	WG-11102014-JR-MW22S2	Liquid	11/10/2014
14111136	WG-11102014-AK-MW141S2/S3	Liquid	11/10/2014
14111137	WG-11102014-AK-MW140S1	Liquid	11/10/2014
14111138	WG-11102014-AK-MW22S1	Liquid	11/10/2014
14111139	WG-11102014-AK-MW22S4	Liquid	11/10/2014
14111140	WG-11102014-JR-FD5	Liquid	11/10/2014
14111141	WG-11112014-AK-MW16S2SS	Liquid	11/11/2014
14111142	WG-11112014-AK-MW12S1A	Liquid	11/11/2014
14111143	WG-11112014-AK-FD6	Liquid	11/11/2014
14111144	WG-11112014-JR-IW40	Liquid	11/11/2014
14111145	WG-11112014-JR-MW12S3	Liquid	11/11/2014
14111146	WG-11122014-JR-IW42	Liquid	11/12/2014
14111147	WG-11122014-JR-IW41	Liquid	11/12/2014
14111148	WG-11122014-JR-IW46	Liquid	11/12/2014
14111149	WG-11122014-JR-IW45	Liquid	11/12/2014
14111150	TB-11122014-JR	Liquid	11/12/2014
14111151	WG-11122014-JR-Builders	Liquid	11/12/2014

Please note that due to a laboratory error the organics for sample 14111151, Builders, was prepared and analyzed using drinking water methods.

The Appendix and Quality Control sections are integral parts of this laboratory report and may contain important data qualifiers.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These

procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111132
Sample Description: WG-11102014-JR-MW15S2

Date Sampled: 11/10/2014
Time Sampled: 1115

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	0.140	µg/L	7410/59
G-BHC	ND(0.052)	µg/L	7410/59
Hexachloroethane	0.03	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(10)	µg/L	7350/284
1,2-Dichloroethane	ND(10)	µg/L	7350/284
Benzene	ND(10)	µg/L	7350/284
Carbon tetrachloride	683	µg/L	7350/284
Chloroform	21	µg/L	7350/284
Chloromethane	ND(10)	µg/L	7350/284
Methylene chloride	ND(10)	µg/L	7350/284
Tetrachloroethylene	ND(10)	µg/L	7350/284
Trichloroethylene	ND(10)	µg/L	7350/284
Vinyl chloride	ND(10)	µg/L	7350/284
1,2-Dichloropropane	ND(10)	µg/L	7350/284
Hardness (Calculated)	474	mg/L as CaCO3	7443/114
Chloride	501	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2022	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2022	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 1655	141117-2	1EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 1633	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1737	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0354	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0305	3IC2330	7IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111132

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111133
Sample Description: WG-11102014-JR-MW140S2/S3

Date Sampled: 11/10/2014
Time Sampled: 1240

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052)	µg/L	7410/59
Hexachloroethane	0.09	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(50)	µg/L	7350/284
1,2-Dichloroethane	ND(50)	µg/L	7350/284
Benzene	ND(50)	µg/L	7350/284
Carbon tetrachloride	1310	µg/L	7350/284
Chloroform	ND(50)	µg/L	7350/284
Chloromethane	ND(50)	µg/L	7350/284
Methylene chloride	ND(50)	µg/L	7350/284
Tetrachloroethylene	ND(50)	µg/L	7350/284
Trichloroethylene	ND(50)	µg/L	7350/284
Vinyl chloride	ND(50)	µg/L	7350/284
1,2-Dichloropropane	ND(50)	µg/L	7350/284
Hardness (Calculated)	658	mg/L as CaCO3	7443/114
Chloride	490	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2102	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2102	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 1738	141117-2	1EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 1718	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1801	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0358	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0317	3IC2330	7IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111133

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111134
Sample Description: WG-11102014-JR-MW137S2

Date Sampled: 11/10/2014
Time Sampled: 1400

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052)	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	236	mg/L as CaCO3	7443/114
Chloride	23.0	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2141	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2141	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 1821	141117-2	1EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 1802	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1826	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0402	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0330	3IC2330	7IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111134

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111135
Sample Description: WG-11102014-JR-MW22S2

Date Sampled: 11/10/2014
Time Sampled: 1540

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	0.018	µg/L	7410/59
B-BHC	0.072	µg/L	7410/59
G-BHC	ND(0.052)	µg/L	7410/59
Hexachloroethane	1.12	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(50)	µg/L	7350/284
1,2-Dichloroethane	ND(50)	µg/L	7350/284
Benzene	ND(50)	µg/L	7350/284
Carbon tetrachloride	3830	µg/L	7350/284
Chloroform	80	µg/L	7350/284
Chloromethane	ND(50)	µg/L	7350/284
Methylene chloride	ND(50)	µg/L	7350/284
Tetrachloroethylene	ND(50)	µg/L	7350/284
Trichloroethylene	ND(50)	µg/L	7350/284
Vinyl chloride	ND(50)	µg/L	7350/284
1,2-Dichloropropane	ND(50)	µg/L	7350/284
Hardness (Calculated)	439	mg/L as CaCO3	7443/114
Chloride	340	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2220	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2220	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 1904	141117-2	1EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 1846	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1850	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0406	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0343	3IC2330	7IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111135

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111136
Sample Description: WG-11102014-AK-MW141S2/S3

Date Sampled: 11/10/2014
Time Sampled: 1030

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	29.6	µg/L	7350/284
Chloroform	31.2	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	4.1	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	144	mg/L as CaCO3	7443/114
Chloride	21.1	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2259	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2259	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 2320	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 1930	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1914	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0411	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0356	3IC2330	7IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111136

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111137
Sample Description: WG-11102014-AK-MW140S1

Date Sampled: 11/10/2014
Time Sampled: 1200

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052)	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/355
1,2-Dichloroethane	ND(0.5)	µg/L	7348/355
Benzene	ND(0.5)	µg/L	7348/355
Carbon tetrachloride	ND(0.5)	µg/L	7348/355
Chloroform	ND(0.5)	µg/L	7348/355
Chloromethane	ND(0.5)	µg/L	7348/355
Methylene chloride	ND(0.5)	µg/L	7348/355
Tetrachloroethylene	ND(0.5)	µg/L	7348/355
Trichloroethylene	ND(0.5)	µg/L	7348/355
Vinyl chloride	ND(0.5)	µg/L	7348/355
1,2-Dichloropropane	ND(0.5)	µg/L	7348/355
Hardness (Calculated)	244 QC	mg/L as CaCO3	7443/114
Chloride	17.5	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0056	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0056	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/02/14 1946	141117-2	1EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 2014	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/14/14 1538	1MS5318	1MS5318	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0415	141114-6	17IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0447	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111137

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111138
Sample Description: WG-11102014-AK-MW22S1

Date Sampled: 11/10/2014
Time Sampled: 1510

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/355
1,2-Dichloroethane	ND(0.5)	µg/L	7348/355
Benzene	ND(0.5)	µg/L	7348/355
Carbon tetrachloride	2.6	µg/L	7348/355
Chloroform	2.0	µg/L	7348/355
Chloromethane	ND(0.5)	µg/L	7348/355
Methylene chloride	ND(0.5)	µg/L	7348/355
Tetrachloroethylene	ND(0.5)	µg/L	7348/355
Trichloroethylene	ND(0.5)	µg/L	7348/355
Vinyl chloride	ND(0.5)	µg/L	7348/355
1,2-Dichloropropane	ND(0.5)	µg/L	7348/355
Hardness (Calculated)	314	mg/L as CaCO3	7443/114
Chloride	152	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/24/14 2338	141117-1	1NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/24/14 2338	141117-1	1NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0003	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 2227	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/14/14 1656	1MS5318	1MS5318	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0440	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0526	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111138

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111139
Sample Description: WG-11102014-AK-MW22S4

Date Sampled: 11/10/2014
Time Sampled: 1600

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/355
1,2-Dichloroethane	ND(0.5)	µg/L	7348/355
Benzene	ND(0.5)	µg/L	7348/355
Carbon tetrachloride	ND(0.5)	µg/L	7348/355
Chloroform	ND(0.5)	µg/L	7348/355
Chloromethane	ND(0.5)	µg/L	7348/355
Methylene chloride	ND(0.5)	µg/L	7348/355
Tetrachloroethylene	ND(0.5)	µg/L	7348/355
Trichloroethylene	ND(0.5)	µg/L	7348/355
Vinyl chloride	ND(0.5)	µg/L	7348/355
1,2-Dichloropropane	ND(0.5)	µg/L	7348/355
Hardness (Calculated)	32.2	mg/L as CaCO3	7443/114
Chloride	2.1	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0253	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0253	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0046	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 2311	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/14/14 1723	1MS5318	1MS5318	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0444	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0538	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111139

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111140
Sample Description: WG-11102014-JR-FD5

Date Sampled: 11/10/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	0.108	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	0.02	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(30)	µg/L	7348/357
1,2-Dichloroethane	ND(30)	µg/L	7348/357
Benzene	ND(30)	µg/L	7348/357
Carbon tetrachloride	570.	µg/L	7348/357
Chloroform	ND(30)	µg/L	7348/357
Chloromethane	ND(30)	µg/L	7348/357
Methylene chloride	ND(30)	µg/L	7348/357
Tetrachloroethylene	ND(30)	µg/L	7348/357
Trichloroethylene	ND(30)	µg/L	7348/357
Vinyl chloride	ND(30)	µg/L	7348/357
1,2-Dichloropropane	ND(30)	µg/L	7348/357
Hardness (Calculated)	490.	mg/L as CaCO3	7443/114
Chloride	493	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0332	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0332	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0129	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/25/14 2355	141117-3	1MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/18/14 1408	1MS5322	1MS5322	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0448	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0551	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111140

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111141
Sample Description: WG-11112014-AK-MW16S2SS

Date Sampled: 11/11/2014
Time Sampled: 0950

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	0.496	µg/L	7410/59
B-BHC	1.15	µg/L	7410/59
G-BHC	0.079	µg/L	7410/59
Hexachloroethane	0.03	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	0.05 FC QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	897	µg/L	7326/419
3-& 4-Chlorophenol	1180	µg/L	7326/419
2,4-Dichlorophenol	974	µg/L	7326/419
2,5-Dichlorophenol	ND(50)	µg/L	7326/419
2,6-Dichlorophenol	ND(50)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(50)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(50)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(50) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(50)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(5)	µg/L	7348/357
1,2-Dichloroethane	ND(5)	µg/L	7348/357
Benzene	30.	µg/L	7348/357
Carbon tetrachloride	115	µg/L	7348/357
Chloroform	23	µg/L	7348/357
Chloromethane	ND(5)	µg/L	7348/357
Methylene chloride	ND(5)	µg/L	7348/357
Tetrachloroethylene	ND(5)	µg/L	7348/357
Trichloroethylene	ND(5)	µg/L	7348/357
Vinyl chloride	ND(5)	µg/L	7348/357
1,2-Dichloropropane	ND(5)	µg/L	7348/357
Hardness (Calculated)	349	mg/L as CaCO3	7443/114
Chloride	1510	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0411	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0411	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 1330	141117-2	4EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0220	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/18/14 1434	1MS5322	1MS5322	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0452	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0604	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111141

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111142
Sample Description: WG-11112014-AK-MW12S1A

Date Sampled: 11/11/2014
Time Sampled: 1120

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	3.3	µg/L	7411/65
OXY Chlorinated Hyd.	SR		
A-BHC	0.708	µg/L	7410/59
B-BHC	0.592	µg/L	7410/59
G-BHC	0.942	µg/L	7410/59
Hexachloroethane	9.55	µg/L	7410/59
Hexachlorobutadiene	5.69	µg/L	7410/59
Hexachlorobenzene	ND(0.40)	µg/L	7410/59
D-BHC	1.0 QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	15.1	µg/L	7326/419
2,4-Dichlorophenol	149	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	79.5	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	37.8	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(300)	µg/L	7348/357
1,2-Dichloroethane	ND(300)	µg/L	7348/357
Benzene	ND(300)	µg/L	7348/357
Carbon tetrachloride	2100	µg/L	7348/357
Chloroform	6660	µg/L	7348/357
Chloromethane	ND(300)	µg/L	7348/357
Methylene chloride	ND(300)	µg/L	7348/357
Tetrachloroethylene	800	µg/L	7348/357
Trichloroethylene	ND(300)	µg/L	7348/357
Vinyl chloride	ND(300)	µg/L	7348/357
1,2-Dichloropropane	ND(300)	µg/L	7348/357
Hardness (Calculated)	393	mg/L as CaCO3	7443/114
Chloride	820	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0450	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0450	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 1413	141117-2	4EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0304	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/18/14 1500	1MS5322	1MS5322	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0457	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0617	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111142

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111143
Sample Description: WG-11112014-AK-FD6

Date Sampled: 11/11/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	2.9	µg/L	7411/65
OXY Chlorinated Hyd.	SR		
A-BHC	0.731	µg/L	7410/59
B-BHC	0.601	µg/L	7410/59
G-BHC	0.956	µg/L	7410/59
Hexachloroethane	8.43	µg/L	7410/59
Hexachlorobutadiene	5.27	µg/L	7410/59
Hexachlorobenzene	ND(0.25)	µg/L	7410/59
D-BHC	0.99 QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	16.1	µg/L	7326/419
2,4-Dichlorophenol	157	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	84.4	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	39.5	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(300)	µg/L	7348/357
1,2-Dichloroethane	ND(300)	µg/L	7348/357
Benzene	ND(300)	µg/L	7348/357
Carbon tetrachloride	2100	µg/L	7348/357
Chloroform	6670	µg/L	7348/357
Chloromethane	ND(300)	µg/L	7348/357
Methylene chloride	ND(300)	µg/L	7348/357
Tetrachloroethylene	800	µg/L	7348/357
Trichloroethylene	ND(300)	µg/L	7348/357
Vinyl chloride	ND(300)	µg/L	7348/357
1,2-Dichloropropane	ND(300)	µg/L	7348/357
Hardness (Calculated)	396	mg/L as CaCO3	7443/114
Chloride	809	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0529	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0529	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 1457	141117-2	4EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0348	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/18/14 1527	1MS5322	1MS5322	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0501	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0630	3IC2330	8IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111143

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111144
Sample Description: WG-11112014-JR-IW40

Date Sampled: 11/11/2014
Time Sampled: 0950

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/357
1,2-Dichloroethane	ND(0.5)	µg/L	7348/357
Benzene	ND(0.5)	µg/L	7348/357
Carbon tetrachloride	17.4	µg/L	7348/357
Chloroform	3.5	µg/L	7348/357
Chloromethane	ND(0.5)	µg/L	7348/357
Methylene chloride	ND(0.5)	µg/L	7348/357
Tetrachloroethylene	ND(0.5)	µg/L	7348/357
Trichloroethylene	ND(0.5)	µg/L	7348/357
Vinyl chloride	ND(0.5)	µg/L	7348/357
1,2-Dichloropropane	ND(0.5)	µg/L	7348/357
Hardness (Calculated)	412	mg/L as CaCO3	7443/114
Chloride	239	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0608	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0608	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0419	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0432	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/18/14 1552	1MS5322	1MS5322	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0505	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0721	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111144

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111145
Sample Description: WG-11112014-JR-MW12S3

Date Sampled: 11/11/2014
Time Sampled: 1130

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.	SR		
A-BHC	0.050	µg/L	7410/59
B-BHC	12.5	µg/L	7410/59
G-BHC	ND(0.21) QC	µg/L	7410/59
Hexachloroethane	0.3	µg/L	7410/59
Hexachlorobutadiene	0.72	µg/L	7410/59
Hexachlorobenzene	ND(0.40)	µg/L	7410/59
D-BHC	ND(0.2) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(2)	µg/L	7350/284
1,2-Dichloroethane	ND(2)	µg/L	7350/284
Benzene	ND(2)	µg/L	7350/284
Carbon tetrachloride	65.6	µg/L	7350/284
Chloroform	45.3	µg/L	7350/284
Chloromethane	ND(2)	µg/L	7350/284
Methylene chloride	ND(2)	µg/L	7350/284
Tetrachloroethylene	30.	µg/L	7350/284
Trichloroethylene	ND(2)	µg/L	7350/284
Vinyl chloride	ND(2)	µg/L	7350/284
1,2-Dichloropropane	ND(2)	µg/L	7350/284
Hardness (Calculated)	240.	mg/L as CaCO3	7443/114
Chloride	130	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0647	141117-1	2NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0647	141117-1	2NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0502	141117-2	2EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0516	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 1939	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0510	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0734	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111145

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111146
Sample Description: WG-11122014-JR-IW42

Date Sampled: 11/12/2014
Time Sampled: 1120

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	0.126	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	174	mg/L as CaCO3	7443/114
Chloride	63	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0805	141117-1	3NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0805	141117-1	3NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0711	141117-2	3EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0600	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 2003	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0514	141114-6	18IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0746	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111146

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111147
Sample Description: WG-11122014-JR-IW41

Date Sampled: 11/12/2014
Time Sampled: 1200

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	0.479	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	262	mg/L as CaCO3	7443/114
Chloride	115	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0845	141117-1	3NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0845	141117-1	3NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0753	141117-2	3EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0644	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 2027	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0526	141114-6	19IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0759	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111147

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111148
Sample Description: WG-11122014-JR-IW46

Date Sampled: 11/12/2014
Time Sampled: 1325

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	ND(0.037)	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	2.3	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	290.	mg/L as CaCO3	7443/114
Chloride	133	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 0924	141117-1	3NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 0924	141117-1	3NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0836	141117-2	3EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0728	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 2052	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0531	141114-6	19IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0812	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111148

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111149
Sample Description: WG-11122014-JR-IW45

Date Sampled: 11/12/2014
Time Sampled: 1405

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/65
Pentachlorophenol	ND(0.5)	µg/L	7411/65
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/59
B-BHC	0.072	µg/L	7410/59
G-BHC	ND(0.052) QC	µg/L	7410/59
Hexachloroethane	ND(0.02)	µg/L	7410/59
Hexachlorobutadiene	ND(0.02)	µg/L	7410/59
Hexachlorobenzene	ND(0.10)	µg/L	7410/59
D-BHC	ND(0.05) QC	µg/L	7410/59
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284
Hardness (Calculated)	184	mg/L as CaCO3	7443/114
Chloride	37.5	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	11/17/14 0740	11/25/14 1003	141117-1	3NX5328	LPL	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	11/17/14 0740	11/25/14 1003	141117-1	3NX5328	LPL	8151A(M)
OXY Chlorinated Hyd.	11/17/14 1145	12/03/14 0956	141117-2	3EX7336	JMM	8121
OXY GC/MS Acids	11/17/14 1400	11/26/14 0812	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 8260	N/A	11/13/14 2116	1MS9317	1MS9317	RKR	8260B
Hardness (Calculated)	11/14/14 1020	11/21/14 0535	141114-6	19IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0825	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14111149

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111150
Sample Description: TB-11122014-JR

Date Sampled: 11/12/2014
Time Sampled: 1435

Analysis	Concentration	Units	Book/Page
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/284
1,2-Dichloroethane	ND(0.5)	µg/L	7350/284
Benzene	ND(0.5)	µg/L	7350/284
Carbon tetrachloride	ND(0.5)	µg/L	7350/284
Chloroform	ND(0.5)	µg/L	7350/284
Chloromethane	ND(0.5)	µg/L	7350/284
Methylene chloride	ND(0.5)	µg/L	7350/284
Tetrachloroethylene	ND(0.5)	µg/L	7350/284
Trichloroethylene	ND(0.5)	µg/L	7350/284
Vinyl chloride	ND(0.5)	µg/L	7350/284
1,2-Dichloropropane	ND(0.5)	µg/L	7350/284

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Volatiles by 8260	N/A	11/13/14 2140	1MS9317	1MS9317	RKR	8260B
Volatile Analysis Preparation Method						5030B

Conclusion of Lab Number: 14111150

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Lab Number: 14111151
Sample Description: WG-11122014-JR-Builders

Date Sampled: 11/12/2014
Time Sampled: 1345

Analysis	Concentration	Units	Book/Page
OXY Cl Hydro by EPA 508			
Hexachlorobenzene	ND(0.10)	µg/L	7221/564
Hexachloroethane	ND(0.02)	µg/L	7221/564
Hexachlorobutadiene	ND(0.02)	µg/L	7221/564
A-BHC	ND(0.011)	µg/L	7221/564
B-BHC	0.208	µg/L	7221/564
G-BHC	ND(0.052)	µg/L	7221/564
D-BHC	ND(0.05)	µg/L	7221/564
2,4-D, EPA 515.1	ND(1.0)	µg/L	7411/66
Pentachlorophenol, EPA 515.1	ND(0.5)	µg/L	7411/66
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/419
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/419
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/419
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/419
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/419
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/419
OXY Volatiles by 524.2			
1,1,1-Trichloroethane	ND(2)	µg/L	7348/355
1,2-Dichloroethane	ND(2)	µg/L	7348/355
Benzene	ND(2)	µg/L	7348/355
Carbon tetrachloride	62.3	µg/L	7348/355
Chloroform	3	µg/L	7348/355
Chloromethane	ND(2)	µg/L	7348/355
Methylene chloride	ND(2)	µg/L	7348/355
Tetrachloroethylene	ND(2)	µg/L	7348/355
Trichloroethylene	ND(2)	µg/L	7348/355
Vinyl chloride	ND(2)	µg/L	7348/355
1,2-Dichloropropane	ND(2)	µg/L	7348/355
Hardness (Calculated)	270.	mg/L as CaCO3	7443/114
Chloride	88	mg/L	7277/627

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Cl Hydro by EPA 508	11/18/14 1045	11/24/14 0148	141118-1	1EX6327	SPA	508

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-D, EPA 515.1	11/20/14 0730	11/20/14 2240	141120-1	1NX5324	LPL	515.1
Pentachlorophenol, EPA 515.1	11/20/14 0730	11/20/14 2240	141120-1	1NX5324	LPL	515.1
OXY GC/MS Acids	11/17/14 1400	11/26/14 0857	141117-3	2MS6329	JMM	8270C
OXY Volatiles by 524.2	N/A	11/14/14 1446	1MS5318	1MS5318	RKR	524.2
Hardness (Calculated)	11/14/14 1020	11/21/14 0539	141114-6	19IP4324	KMW	6010B & SM 2340B
Chloride	N/A	11/27/14 0838	3IC2330	9IC2330	MLL	300.0/9056A
Volatile Analysis Preparation Method						524.2
Acid Preparation Method						625/3510C
508 Pesticides/PCB Preparation Method						508
Calculated as Hardness Preparation Method						200.7/6010B
515.1 Herbicides Preparation Method						515.1

Conclusion of Lab Number: 14111151

Appendix

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

ND( ), where reported, indicates the analyte was not detected above the Limit of Quantitation (LOQ). The concentration of the LOQ is inside the parentheses.

All samples which require cooling were received at a temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

FC - The confirmation analysis on a second GC column (or detector) resulted in a greater than 40% difference between the primary and confirmation results. The lower value was reported.

SR - One or more surrogate recoveries for this analysis did not meet quality control limits. Please see the Quality Control Report for the sample surrogate data.

Accreditation Summary

Client: Occidental Chemical Corporation
Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

NELAP accreditation is issued under each EPA regulatory program for a given matrix/analyte/method combination. Continental is NELAP accredited for each matrix/analyte/method and EPA program cited in this Laboratory Report, except for those listed in the table below and for analyses performed in the field. For most of the analyses listed in the table, NELAP accreditation is not offered under the listed EPA program and Continental is NELAP accredited for the analysis, using the same analytical technology, but under a different EPA program. Continental's full NELAP accreditation status may be viewed at www.kdheks.gov/envlab. Note that unless qualified otherwise in the Laboratory Report, Continental performs all analyses, including each analysis listed in the table below, utilizing NELAP protocol.

Test	Analysis	Matrix-Regulatory Program	Method	CAS NELAP Accredited in Other Reg. Program
CL151	OXY Cl Hydro by EPA 508	L-Drinking Water	508	
CL151	Hexachloroethane	L-Drinking Water	508	No
CL151	Hexachlorobutadiene	L-Drinking Water	508	No
CL151	A-BHC	L-Drinking Water	508	No
CL151	B-BHC	L-Drinking Water	508	No
CL151	D-BHC	L-Drinking Water	508	No
MS302	OXY GC/MS Acids	L-Drinking Water	8270C	
MS302	2-Chlorophenol	L-Drinking Water	8270C	Yes
MS302	3-& 4-Chlorophenol	L-Drinking Water	8270C	No
MS302	2,4-Dichlorophenol	L-Drinking Water	8270C	Yes
MS302	2,5-Dichlorophenol	L-Drinking Water	8270C	No
MS302	2,6-Dichlorophenol	L-Drinking Water	8270C	Yes
MS302	2,4,5-Trichlorophenol	L-Drinking Water	8270C	Yes
MS302	2,4,6-Trichlorophenol	L-Drinking Water	8270C	Yes
MS302	2,3,4,5-Tetrachlorophenol	L-Drinking Water	8270C	No
MS302	2,3,4,6-Tetrachlorophenol	L-Drinking Water	8270C	Yes
MS519	OXY Volatiles by 524.2	L-Drinking Water	524.2	
MS519	Chloromethane	L-Drinking Water	524.2	No
CL351	OXY Chlorinated Hyd.	L-RCRA	8121	
CL351	Hexachloroethane	L-RCRA	8121	No
CL351	Hexachlorobutadiene	L-RCRA	8121	No
MS302	OXY GC/MS Acids	L-RCRA	8270C	
MS302	3-& 4-Chlorophenol	L-RCRA	8270C	No
MS302	2,5-Dichlorophenol	L-RCRA	8270C	No
MS302	2,3,4,5-Tetrachlorophenol	L-RCRA	8270C	No

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
CL151	OXY Cl Hydro by EPA 508	141118-1	141118BLK1 11/24/14 0024	141118LCS1 11/24/14 0106	14111151MS
Lab numbers associated with this batch: 14111151					
CL223	2,4-Dichlorophenoxyacetic Acid	141117-1	141117BLK1 11/24/14 1825	141117LCS1 11/24/14 1904	14111137MS 11/25/14 0135
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149					
CL237	2,4-D, EPA 515.1	141120-1	141120BLK1 11/20/14 2122	141120LCS1 11/20/14 2201	14111151MS
Lab numbers associated with this batch: 14111151					
CL276	Pentachlorophenol, EPA 515.1	141120-1	141120BLK1 11/20/14 2122	141120LCS1 11/20/14 2201	14111151MS
Lab numbers associated with this batch: 14111151					
CL350	Pentachlorophenol	141117-1	141117BLK1 11/24/14 1825	141117LCS1 11/24/14 1904	14111137MS 11/25/14 0135
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149					
CL351	OXY Chlorinated Hyd.	141117-2	141117BLK2 12/02/14 1529	141117LCS2 12/02/14 1612	14111137MS 12/02/14 2029
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149					
MS302	OXY GC/MS Acids	141117-3	141117BLK3 11/25/14 1504	141117LCS3 11/25/14 1549	14111137MS 11/25/14 2058
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149 14111151					
MS350	OXY Volatiles by 8260	1MS9317	BLK1MS9317 11/13/14 1158	LCS1MS9317 11/13/14 1110	14110719MS 11/13/14 1324
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111145 14111146 14111147 14111148 14111149 14111150					
MS350	OXY Volatiles by 8260	1MS5318	BLK1MS5318 11/14/14 1143	LCS1MS5318 11/14/14 1051	14111137MS 11/14/14 1604
Lab numbers associated with this batch: 14111137 14111138 14111139					
MS350	OXY Volatiles by 8260	1MS5322	BLK1MS5322 11/18/14 0921	LCS1MS5322 11/18/14 0829	
Lab numbers associated with this batch: 14111140 14111141 14111142 14111143 14111144					

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
MS519	OXY Volatiles by 524.2	1MS5318	BLK1MS5318 11/14/14 1143	LCS1MS5318 11/14/14 1051	
Lab numbers associated with this batch: 14111151					
SL323	Hardness (Calculated)	141114-6	141114BLK6 11/21/14 0345	141114LCS6 11/21/14 0350	14111137MS 11/21/14 0419
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149 14111151					
GL502	Chloride	3IC2330	BLK3IC2330 11/27/14 0239	LCS3IC2330 11/27/14 0252	14111137MS 11/27/14 0500
Lab numbers associated with this batch: 14111132 14111133 14111134 14111135 14111136 14111137 14111138 14111139 14111140 14111141 14111142 14111143 14111144 14111145 14111146 14111147 14111148 14111149 14111151					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141114-6	**For samples prepared on: 11/14/2014 1020**					**Spiked sample: 14111137**						
Hardness (Calculated)	ND(5.0)	81.4	80.0-120	357	mg/L a	78.0 ML	86.0	80.0-120	357	mg/L a	5.30	20.0
QC Batch: 141117-1	**For samples prepared on: 11/17/2014 0740**					**Spiked sample: 14111137**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	112	69.8-136	4.0	µg/L	106	108	77.4-130	4.0	µg/L	1.50	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	95.5	97.6	61.3-125	5.0	µg/L	96.4	98.6	61.3-125	5.0	µg/L		
QC Batch: 141117-1	**For samples prepared on: 11/17/2014 0740**					**Spiked sample: 14111137**						
Pentachlorophenol	ND(0.5)	110	74.9-121	4.0	µg/L	58.7	60.5	10.5-152	4.0	µg/L	2.90	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	95.5	97.6	61.3-125	5.0	µg/L	96.4	98.6	61.3-125	5.0	µg/L		
QC Batch: 141117-2	**For samples prepared on: 11/17/2014 1145**					**Spiked sample: 14111137**						
OXY Chlorinated Hyd.				N/A					N/A			
A-BHC	ND(0.011)	98.8	79.1-131	0.50	µg/L	100.	103	75.2-138	0.50	µg/L	2.40	15.8
B-BHC	ND(0.037)	86.0	75.0-135	0.50	µg/L	87.8	94.0	72.4-137	0.50	µg/L	6.80	17.5
G-BHC	ND(0.052)	103	77.8-133	0.50	µg/L	103	107	77.9-137	0.50	µg/L	3.00	16.6
Hexachloroethane	ND(0.02)	77.8	46.8-125	0.50	µg/L	78.2	71.8	31.6-131	0.50	µg/L	8.50	22.6
Hexachlorobutadiene	ND(0.02)	70.6	41.2-130	0.50	µg/L	70.7	57.1	29.4-129	0.50	µg/L	20.7	25.6
Hexachlorobenzene	ND(0.10)	93.8	70.8-133	0.50	µg/L	95.8	90.8	64.7-137	0.50	µg/L	5.40	19.3
D-BHC	ND(0.05)	105	76.9-150	0.50	µg/L	104	118	73.2-157	0.50	µg/L	12.1	17.1
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	81.2	78.7	58.6-99.8	8.0	µg/L	80.3	84.2	58.6-99.8	8.0	µg/L		
QC Batch: 141117-3	**For samples prepared on: 11/17/2014 1400**					**Spiked sample: 14111137**						
OXY GC/MS Acids				N/A					N/A			
2-Chlorophenol	ND(5.0)	84.5	70.2-103	50.0	µg/L	86.6	87.2	69.9-103	50.0	µg/L	0.60	8.8
3-& 4-Chlorophenol	ND(5.0)	72.6	60.2-90.2	50.0	µg/L	73.8	77.1	59.9-92.2	50.0	µg/L	4.40	10.3
2,4-Dichlorophenol	ND(5.0)	91.5	69.4-120	50.0	µg/L	84.2	94.9	67.9-124	50.0	µg/L	11.9	12.8
2,5-Dichlorophenol	ND(5.0)	88.6	74.7-110	50.0	µg/L	97.3	90.3	77.0-100	50.0	µg/L	7.50	14.7
2,6-Dichlorophenol	ND(5.0)	91.2	75.6-115	50.0	µg/L	91.2	95.4	73.8-118	50.0	µg/L	4.50	7.8
2,4,5-Trichlorophenol	ND(5.0)	94.4	78.9-118	50.0	µg/L	94.1	95.6	80.6-118	50.0	µg/L	1.70	8.9
2,4,6-Trichlorophenol	ND(5.0)	94.6	78.5-118	50.0	µg/L	91.6	95.9	79.4-120	50.0	µg/L	4.60	9.9
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	97.2 CE	72.6-125	100	µg/L	95.7 CE	98.3 CE	73.7-125	100	µg/L	2.60	11.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	103	72.9-128	50.0	µg/L	97.2	104	75.1-128	50.0	µg/L	6.30	12.5
Surrogate Data:												
PHENOL-d6	33.4	33.6	22.3-43.0	150	µg/L	34.0	34.7	22.3-43.0	150	µg/L		
2-FLUOROPHENOL	52.6	51.2	37.7-66.5	150	µg/L	51.7	53.1	37.7-66.5	150	µg/L		
2,4,6-TRIBROMOPHENOL	100.	110.	56.7-128	150	µg/L	99.8	105	56.7-128	150	µg/L		
QC Batch: 141118-1	**For samples prepared on: 11/18/2014 1045**					**Spiked sample: 14111151**						
OXY Cl Hydro by EPA 508				N/A					N/A			
Hexachlorobenzene	ND(0.10)	107	69.0-129	0.10	µg/L	F	F	64.0-134	N/A	µg/L	**	19.5
Hexachloroethane	ND(0.02)	93.2	20.0-138	0.10	µg/L	F	F	20.0-138	N/A	µg/L	**	30.0
Hexachlorobutadiene	ND(0.02)	98.3	0.10-264	0.10	µg/L	F	F	0.10-264	N/A	µg/L	**	30.0
A-BHC	ND(0.011)	104	62.0-122	0.10	µg/L	F	F	57.0-127	N/A	µg/L	**	25.5
B-BHC	ND(0.037)	118	65.0-125	0.10	µg/L	F	F	60.0-130	N/A	µg/L	**	29.9
G-BHC	ND(0.052)	102	59.0-119	0.10	µg/L	F	F	54.0-124	N/A	µg/L	**	22.2
D-BHC	ND(0.05)	115	72.0-132	0.10	µg/L	F	F	67.0-137	N/A	µg/L	**	28.4
Surrogate Data:												
1,4-DICHLORONAPHTHALENE (508)	82.9	97.9	70.0-130	4.0	µg/L			70.0-130	N/A	µg/L	**	

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141120-1	**For samples prepared on: 11/20/2014 0730**					**Spiked sample: 14111151**						
2,4-D, EPA 515.1	ND(1.0)	70.3	70.0-130	5.0	µg/L			65.0-135	N/A	µg/L	**	77.6
Surrogate Data:												
2,4-DCPAA (515.1)	81.2	80.8	70.0-130	5.0	µg/L			70.0-130	N/A	µg/L	**	
QC Batch: 141120-1	**For samples prepared on: 11/20/2014 0730**					**Spiked sample: 14111151**						
Pentachlorophenol, EPA 515.1	ND(0.5)	80.6	70.0-130	5.0	µg/L			65.0-135	N/A	µg/L	**	80.0
Surrogate Data:												
2,4-DCPAA (515.1)	81.2	80.8	70.0-130	5.0	µg/L			70.0-130	N/A	µg/L	**	
QC Batch: 1MS5318	**For sample analyzed on: 11/14/2014**					**Spiked sample:**						
OXY Volatiles by 524.2				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	93.6	70.0-130	10.0	µg/L			80.9-119	N/A	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	99.4	70.0-130	10.0	µg/L			76.0-121	N/A	µg/L	**	10.3
Benzene	ND(0.5)	96.9	70.0-130	10.0	µg/L			79.1-119	N/A	µg/L	**	6.3
Carbon tetrachloride	ND(0.5)	99.2	70.0-130	10.0	µg/L			79.4-126	N/A	µg/L	**	8.3
Chloroform	ND(0.5)	95.7	70.0-130	10.0	µg/L			72.9-119	N/A	µg/L	**	8.1
Chloromethane	ND(0.5)	94.0	70.0-130	10.0	µg/L			67.0-134	N/A	µg/L	**	11.7
Methylene chloride	ND(0.5)	102	70.0-130	10.0	µg/L			75.6-117	N/A	µg/L	**	10.5
Tetrachloroethylene	ND(0.5)	91.8	70.0-130	10.0	µg/L			83.0-120	N/A	µg/L	**	8.2
Trichloroethylene	ND(0.5)	95.6	70.0-130	10.0	µg/L			82.9-118	N/A	µg/L	**	8.3
Vinyl chloride	ND(0.5)	91.3	70.0-130	10.0	µg/L			73.1-135	N/A	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	95.7	70.0-130	10.0	µg/L			81.1-116	N/A	µg/L	**	9.9
Surrogate Data:												
1,2-DCA-d4 (524.2)	109	101	70.0-130	10.0	µg/L	MN	MN	70.0-130	N/A	µg/L	**	
TOLUENE-d8 (524.2)	102	103	70.0-130	10.0	µg/L	MN	MN	70.0-130	N/A	µg/L	**	
QC Batch: 1MS5318	**For sample analyzed on: 11/14/2014**					**Spiked sample: 14111137**						
OXY Volatiles by 8260				N/A					N/A			
1,1,1-Trichloroethane	ND(0.5)	93.6	81.5-118	10.0	µg/L	95.8	98.2	80.9-119	10.0	µg/L	2.50	8.0
1,2-Dichloroethane	ND(0.5)	99.4	74.4-117	10.0	µg/L	102	102	76.0-121	10.0	µg/L	0.60	10.3
Benzene	ND(0.5)	96.9	84.4-112	10.0	µg/L	95.2	100.	79.1-119	10.0	µg/L	5.30	6.3
Carbon tetrachloride	ND(0.5)	99.2	81.7-124	10.0	µg/L	94.0	98.2	79.4-126	10.0	µg/L	4.40	8.3
Chloroform	ND(0.5)	95.7	75.7-112	10.0	µg/L	94.5	96.4	72.9-119	10.0	µg/L	2.00	8.1
Chloromethane	ND(0.5)	94.0	72.2-129	10.0	µg/L	87.3	89.7	67.0-134	10.0	µg/L	2.70	11.7
Methylene chloride	ND(0.5)	102	77.0-112	10.0	µg/L	97.9	97.0	75.6-117	10.0	µg/L	0.90	10.5
Tetrachloroethylene	ND(0.5)	91.8	87.4-118	10.0	µg/L	98.1	96.7	83.0-120	10.0	µg/L	1.40	8.2
Trichloroethylene	ND(0.5)	95.6	82.5-115	10.0	µg/L	97.0	98.0	82.9-118	10.0	µg/L	1.00	8.3
Vinyl chloride	ND(0.5)	91.3	76.6-130	10.0	µg/L	87.8	90.9	73.1-135	10.0	µg/L	3.50	12.6
1,2-Dichloropropane	ND(0.5)	95.7	80.8-112	10.0	µg/L	96.9	97.0	81.1-116	10.0	µg/L	0.10	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	109	101	74.9-126	10.0	µg/L	101	105	74.9-126	10.0	µg/L		
TOLUENE-d8	102	103	90.5-117	10.0	µg/L	104	103	90.5-117	10.0	µg/L		
QC Batch: 1MS5322	**For sample analyzed on: 11/18/2014**					**Spiked sample:**						
OXY Volatiles by 8260				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	99.8	81.5-118	10.0	µg/L			80.9-119	N/A	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	107	74.4-117	10.0	µg/L			76.0-121	N/A	µg/L	**	10.3
Benzene	ND(0.5)	102	84.4-112	10.0	µg/L			79.1-119	N/A	µg/L	**	6.3
Carbon tetrachloride	ND(0.5)	103	81.7-124	10.0	µg/L			79.4-126	N/A	µg/L	**	8.3
Chloroform	ND(0.5)	104	75.7-112	10.0	µg/L			72.9-119	N/A	µg/L	**	8.1
Chloromethane	ND(0.5)	98.3	72.2-129	10.0	µg/L			67.0-134	N/A	µg/L	**	11.7
Methylene chloride	ND(0.5)	101	77.0-112	10.0	µg/L			75.6-117	N/A	µg/L	**	10.5

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
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Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 1MS5322	**For sample analyzed on: 11/18/2014**					**Spiked sample:**						
Tetrachloroethylene	ND(0.5)	98.9	87.4-118	10.0	µg/L			83.0-120	N/A	µg/L	**	8.2
Trichloroethylene	ND(0.5)	99.8	82.5-115	10.0	µg/L			82.9-118	N/A	µg/L	**	8.3
Vinyl chloride	ND(0.5)	95.5	76.6-130	10.0	µg/L			73.1-135	N/A	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	101	80.8-112	10.0	µg/L			81.1-116	N/A	µg/L	**	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	102	103	74.9-126	10.0	µg/L	MN	MN	74.9-126	N/A	µg/L	**	
TOLUENE-d8	102	104	90.5-117	10.0	µg/L	MN	MN	90.5-117	N/A	µg/L	**	
QC Batch: 1MS9317	**For sample analyzed on: 11/13/2014**					**Spiked sample: 14110719**						
OXY Volatiles by 8260				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	96.9	81.5-118	10.0	µg/L			80.9-119	10.0	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	82.1	74.4-117	10.0	µg/L			76.0-121	10.0	µg/L	**	10.3
Benzene	ND(0.5)	93.9	84.4-112	10.0	µg/L			79.1-119	10.0	µg/L	**	6.3
Carbon tetrachloride	ND(0.5)	103	81.7-124	10.0	µg/L			79.4-126	10.0	µg/L	**	8.3
Chloroform	ND(0.5)	93.2	75.7-112	10.0	µg/L			72.9-119	10.0	µg/L	**	8.1
Chloromethane	ND(0.5)	88.1	72.2-129	10.0	µg/L			67.0-134	10.0	µg/L	**	11.7
Methylene chloride	ND(0.5)	102	77.0-112	10.0	µg/L			75.6-117	10.0	µg/L	**	10.5
Tetrachloroethylene	ND(0.5)	113	87.4-118	10.0	µg/L			83.0-120	10.0	µg/L	**	8.2
Trichloroethylene	ND(0.5)	96.7	82.5-115	10.0	µg/L			82.9-118	10.0	µg/L	**	8.3
Vinyl chloride	ND(0.5)	86.6	76.6-130	10.0	µg/L			73.1-135	10.0	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	87.4	80.8-112	10.0	µg/L			81.1-116	10.0	µg/L	**	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	90.0	87.4	74.9-126	10.0	µg/L	MN	MN	74.9-126	10.0	µg/L	**	
TOLUENE-d8	105	111	90.5-117	10.0	µg/L	MN	MN	90.5-117	10.0	µg/L	**	
QC Batch: 3IC2330	**For sample analyzed on: 11/27/2014**					**Spiked sample: 14111137**						
Chloride	ND(1.0)	94.6	90.0-110	4.0	mg/L	I	I	71.9-123	4.0	mg/L	**	5.2

Data Qualifiers:

ML - The matrix spike and/or matrix spike duplicate recovery for this analyte was below the method or laboratory control limit. See LCS data for the basis for acceptance of this sample. The reported sample concentration is estimated.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

F - MS and/or MSD sample data are not available due to insufficient sample volume.

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

I - Due to the concentration of analyte in the sample, the spike level is too low to allow accurate quantification of the spike recovery.

** - RPD calculation not applicable/not available for this analysis.

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111132		**Sample Description: WG-11102014-JR-MW15S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	84.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	35.1	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	54.8	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	100.	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	200	µg/L	84.9	74.9-126
TOLUENE-d8		11/13/2014	200	µg/L	109	90.5-117
Lab Number: 14111133		**Sample Description: WG-11102014-JR-MW140S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.3	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.3	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	85.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	36.3	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	55.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	104	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	1000	µg/L	88.4	74.9-126
TOLUENE-d8		11/13/2014	1000	µg/L	107	90.5-117
Lab Number: 14111134		**Sample Description: WG-11102014-JR-MW137S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	93.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	79.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	33.5	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	52.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	95.2	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	82.4	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	108	90.5-117
Lab Number: 14111135		**Sample Description: WG-11102014-JR-MW22S2**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	92.0	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	92.0	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	82.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	33.8	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111135		**Sample Description: WG-11102014-JR-MW22S2**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	52.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	98.3	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	1000	µg/L	79.5	74.9-126
TOLUENE-d8		11/13/2014	1000	µg/L	105	90.5-117
Lab Number: 14111136		**Sample Description: WG-11102014-AK-MW141S2/S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	96.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	96.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	81.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	34.3	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	54.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	96.4	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	86.4	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	109	90.5-117
Lab Number: 14111137		**Sample Description: WG-11102014-AK-MW140S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	97.1	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	97.1	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/02/2014	8.0	µg/L	81.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	30.6	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	48.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	87.4	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/14/2014	10	µg/L	102	74.9-126
TOLUENE-d8		11/14/2014	10	µg/L	101	90.5-117
Lab Number: 14111138		**Sample Description: WG-11102014-AK-MW22S1**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	80.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/24/2014	5.0	µg/L	80.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	77.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	32.4	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	50.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	93.3	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/14/2014	10	µg/L	100.	74.9-126
TOLUENE-d8		11/14/2014	10	µg/L	102	90.5-117
Lab Number: 14111139		**Sample Description: WG-11102014-AK-MW22S4**				

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111139		**Sample Description: WG-11102014-AK-MW22S4**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	85.9	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	85.9	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	82.1	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	36.6	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	56.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	96.7	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/14/2014	10	µg/L	105	74.9-126
TOLUENE-d8		11/14/2014	10	µg/L	102	90.5-117
Lab Number: 14111140		**Sample Description: WG-11102014-JR-FD5**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	87.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	87.5	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	69.7	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/25/2014	150	µg/L	31.5	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/25/2014	150	µg/L	48.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/25/2014	150	µg/L	88.3	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/18/2014	500	µg/L	94.0	74.9-126
TOLUENE-d8		11/18/2014	500	µg/L	104	90.5-117
Lab Number: 14111141		**Sample Description: WG-11112014-AK-MW16S2SS**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	75.5	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	75.5	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	82.4	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	32.1	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	48.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	77.4	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/18/2014	100	µg/L	97.4	74.9-126
TOLUENE-d8		11/18/2014	100	µg/L	100.	90.5-117
Lab Number: 14111142		**Sample Description: WG-11112014-AK-MW12S1A**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	91.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	91.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	185 SI	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	33.7	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111142		**Sample Description: WG-11112014-AK-MW12S1A**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	52.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	101	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/18/2014	5000	µg/L	105	74.9-126
TOLUENE-d8		11/18/2014	5000	µg/L	105	90.5-117
Lab Number: 14111143		**Sample Description: WG-11112014-AK-FD6**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	100.	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	100.	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	195 SI	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	35.3	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	53.7	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	105	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/18/2014	5000	µg/L	104	74.9-126
TOLUENE-d8		11/18/2014	5000	µg/L	101	90.5-117
Lab Number: 14111144		**Sample Description: WG-11112014-JR-IW40**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	93.7	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	93.7	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	91.8	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	31.1	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	49.1	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	93.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/18/2014	10	µg/L	96.5	74.9-126
TOLUENE-d8		11/18/2014	10	µg/L	100.	90.5-117
Lab Number: 14111145		**Sample Description: WG-11112014-JR-MW12S3**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	91.6	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	91.6	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	102 SH	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	34.6	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	53.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	101	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	40	µg/L	83.1	74.9-126
TOLUENE-d8		11/13/2014	40	µg/L	109	90.5-117
Lab Number: 14111146		**Sample Description: WG-11122014-JR-IW42**				

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

Date Reported: 12/05/2014
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Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111146		**Sample Description: WG-11122014-JR-IW42**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	94.9	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	94.9	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	88.5	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	35.2	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	54.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	97.5	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	82.2	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	110.	90.5-117
Lab Number: 14111147		**Sample Description: WG-11122014-JR-IW41**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	97.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	97.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	85.3	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	32.3	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	49.2	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	89.4	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	79.0	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	105	90.5-117
Lab Number: 14111148		**Sample Description: WG-11122014-JR-IW46**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	95.8	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	95.8	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	86.7	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	34.9	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	54.9	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	96.3	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	87.7	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	105	90.5-117
Lab Number: 14111149		**Sample Description: WG-11122014-JR-IW45**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	87.4	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	11/17/2014	11/25/2014	5.0	µg/L	87.4	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	11/17/2014	12/03/2014	8.0	µg/L	84.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	33.1	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
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Wichita, KS 67277

Date Reported: 12/05/2014
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Continental File No: 7775
Continental Order No: 122702

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14111149		**Sample Description: WG-11122014-JR-IW45**				
OXY GC/MS Acids						
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	52.0	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	97.0	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	87.4	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	107	90.5-117
Lab Number: 14111150		**Sample Description: TB-11122014-JR**				
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		11/13/2014	10	µg/L	86.5	74.9-126
TOLUENE-d8		11/13/2014	10	µg/L	108	90.5-117
Lab Number: 14111151		**Sample Description: WG-11122014-JR-Builders**				
OXY Cl Hydro by EPA 508						
1,4-DICHLORONAPHTHALENE (508)	11/18/2014	11/24/2014	4.0	µg/L	86.7	70.0-130
515.1 Herbicides						
2,4-DCPAA (515.1)	11/20/2014	11/20/2014	5.0	µg/L	82.2	70.0-130
515.1 Herbicides						
2,4-DCPAA (515.1)	11/20/2014	11/20/2014	5.0	µg/L	82.2	70.0-130
OXY GC/MS Acids						
PHENOL-d6	11/17/2014	11/26/2014	150	µg/L	32.6	22.3-43.0
2-FLUOROPHENOL	11/17/2014	11/26/2014	150	µg/L	51.4	37.7-66.5
2,4,6-TRIBROMOPHENOL	11/17/2014	11/26/2014	150	µg/L	98.8	56.7-128
OXY Volatiles by 524.2						
1,2-DCA-d4 (524.2)		11/14/2014	40	µg/L	102	70.0-130
TOLUENE-d8 (524.2)		11/14/2014	40	µg/L	98.3	70.0-130

Data Qualifiers:
SI - One or more surrogate recoveries for this analysis were not within the method or laboratory control limits. The sample result(s) or reporting limit(s) for this analysis are estimated due to sample heterogeneity and/or sample matrix interferences.

SH - One or more surrogate recoveries for this analysis was above the method or laboratory control limits. The reported sample concentration may be biased high.

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Cl Hydro by EPA 508	11/23/2014	1EX6327	CCV recovery acceptable for this Instrument Batch.			
OXY Cl Hydro by EPA 508	11/24/2014	2EX6327	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/24/2014	1NX5328	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/25/2014	2NX5328	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/25/2014	3NX5328	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	11/25/2014	4NX5328	CCV recovery acceptable for this Instrument Batch.			
2,4-D, EPA 515.1	11/20/2014	1NX5324	CCV recovery acceptable for this Instrument Batch.			
2,4-D, EPA 515.1	11/20/2014	2NX5324	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol, EPA 515.1	11/20/2014	1NX5324	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol, EPA 515.1	11/20/2014	2NX5324	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/24/2014	1NX5328	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/25/2014	2NX5328	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/25/2014	3NX5328	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	11/25/2014	4NX5328	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/02/2014		CCV recovery acceptable except as qualified below.			
D-BHC	12/02/2014	1EX7336	0.050	0.0585	µg/ml	117 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14111132	1EX7336	WG-11102014-JR-MW15S2
14111133	1EX7336	WG-11102014-JR-MW140S2/S3
14111134	1EX7336	WG-11102014-JR-MW137S2
14111135	1EX7336	WG-11102014-JR-MW22S2
14111137	1EX7336	WG-11102014-AK-MW140S1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Chlorinated Hyd.	12/02/2014	2EX7336	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/03/2014		CCV recovery acceptable except as qualified below.			
G-BHC	12/03/2014	3EX7336	0.050	0.0580	µg/ml	116 CH
D-BHC	12/03/2014	3EX7336	0.050	0.0625	µg/ml	125 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14111136	2EX7336	WG-11102014-AK-MW141S2/S3
14111138	2EX7336	WG-11102014-AK-MW22S1
14111139	2EX7336	WG-11102014-AK-MW22S4
14111140	2EX7336	WG-11102014-JR-FD5
14111144	2EX7336	WG-11112014-JR-IW40
14111145	2EX7336	WG-11112014-JR-MW12S3
14111146	3EX7336	WG-11122014-JR-IW42
14111147	3EX7336	WG-11122014-JR-IW41
14111148	3EX7336	WG-11122014-JR-IW46
14111149	3EX7336	WG-11122014-JR-IW45

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Chlorinated Hyd.	12/03/2014	4EX7336	CCV recovery acceptable for this Instrument Batch.			

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

OXY Chlorinated Hyd.	12/03/2014		CCV recovery acceptable except as qualified below.			
D-BHC	12/03/2014	5EX7336	0.050	0.0585	µg/ml	117 CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14111141	4EX7336	WG-11112014-AK-MW16S2SS
14111142	4EX7336	WG-11112014-AK-MW12S1A
14111143	4EX7336	WG-11112014-AK-FD6

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Chloride	11/27/2014	7IC2330	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/27/2014	8IC2330	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/27/2014	9IC2330	CCV recovery acceptable for this Instrument Batch.			
Chloride	11/27/2014	10IC2330	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	17IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	18IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	19IP4324	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	11/21/2014	20IP4324	CCV recovery acceptable for this Instrument Batch.			
OXY GC/MS Acids	11/25/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/25/2014	1MS6329	100	106	µg/ml	106 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14111132	1MS6329	WG-11102014-JR-MW15S2
14111133	1MS6329	WG-11102014-JR-MW140S2/S3
14111134	1MS6329	WG-11102014-JR-MW137S2
14111135	1MS6329	WG-11102014-JR-MW22S2
14111136	1MS6329	WG-11102014-AK-MW141S2/S3
14111137	1MS6329	WG-11102014-AK-MW140S1
14111138	1MS6329	WG-11102014-AK-MW22S1
14111139	1MS6329	WG-11102014-AK-MW22S4
14111140	1MS6329	WG-11102014-JR-FD5

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY GC/MS Acids	11/26/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	11/26/2014	2MS6329	100	105	µg/ml	105 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14111132	1MS6329	WG-11102014-JR-MW15S2
14111133	1MS6329	WG-11102014-JR-MW140S2/S3
14111134	1MS6329	WG-11102014-JR-MW137S2
14111135	1MS6329	WG-11102014-JR-MW22S2
14111136	1MS6329	WG-11102014-AK-MW141S2/S3
14111137	1MS6329	WG-11102014-AK-MW140S1
14111138	1MS6329	WG-11102014-AK-MW22S1

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/05/2014
Date Received: 11/12/2014
Continental File No: 7775
Continental Order No: 122702

Laboratory Number	Instrument Batch	Sample Description
14111139	1MS6329	WG-11102014-AK-MW22S4
14111140	1MS6329	WG-11102014-JR-FD5
14111141	2MS6329	WG-11112014-AK-MW16S2SS
14111142	2MS6329	WG-11112014-AK-MW12S1A
14111143	2MS6329	WG-11112014-AK-FD6
14111144	2MS6329	WG-11112014-JR-IW40
14111145	2MS6329	WG-11112014-JR-MW12S3
14111146	2MS6329	WG-11122014-JR-IW42
14111147	2MS6329	WG-11122014-JR-IW41
14111148	2MS6329	WG-11122014-JR-IW46
14111149	2MS6329	WG-11122014-JR-IW45
14111151	2MS6329	WG-11122014-JR-Builders

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Volatiles by 8260	11/14/2014	1MS5318	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	11/18/2014	1MS5322	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	11/13/2014	1MS9317	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 524.2	11/14/2014	1MS5318	CCV recovery acceptable for this Instrument Batch.			

Data Qualifiers:
CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported concentration for this analyte may be biased high.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

- Laboratory Report Conclusion -

CHAIN OF CUSTODY RECORD

COC NO.: 38274

CONESTOGA-ROVERS & ASSOCIATES

Address: 8615 W. BRYN MAWR AVE, CHICAGO IL 60631

Phone: 773-380-9933 Fax:

CAS ORDER NO: 1322 (See Reverse Side for Instructions)

PAGE 1 OF 2

Report/EDD - Dec 3/14

Project No/ Phase/Task Code: 054046-D23122/42407	Laboratory Name: CONTINENTAL ANALYTICAL	Lab Location: SALINA, KS	SSOW ID: 251-402-D02-3100
Project Name: OCC WICHITA	Lab Contact: CLIFF BAKER	Lab Quote No:	Cooler No:
Project Location: WICHITA, KS			Carrier: CONTINENTAL
Chemistry Contact: PAUL McMAHON			Airbill No: N/A
Sampler(s): ANDY KLEIN / JEREMY RAYE			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	SVOCs	PESTICIDES/ HERBICIDES	CHLORIDE/ HARDNESS							MS/MSD Request	Comments/ Special Instructions:
1	WG-11102014-JR-MW15S2	11/10/14	11:15	WG	G	5	3							8	X	X	X	X									
2	WG-11102014-JR-MW14S2/S3	↓	12:40			5	3							8	X	X	X	X									
3	WG-11102014-JR-MW13S2		14:00			5	3							8	X	X	X	X									
4	WG-11102014-JR-MW22S2		15:40			5	3							8	X	X	X	X									
5	WG-11102014-AK-MW14S2/S3		10:30			5	3							8	X	X	X	X									
6	WG-11102014-AK-MW14S1		12:00			15	9							24	X	X	X	X								X	MS/MSD
7	WG-11102014-AK-MW22S1		15:10			5	3							8	X	X	X	X									
8	WG-11102014-AK-MW22S4		16:00			5	3							8	X	X	X	X									
9	WG-11102014-JR-FD5		—			5	3							8	X	X	X	X									
10	WG-11112014-AK-MW16S2S5	11/11/14	09:50			5	3							8	X	X	X	X									
11	WG-11112014-AK-MW12S1A		11:20			5	3							8	X	X	X	X									
12	WG-11112014-AK-FD6		—			5	3							8	X	X	X	X									
13	WG-11112014-JR-IW40		9:50			5	3							8	X	X	X	X									
14	WG-11112014-JR-12S3		11:30			5	3							8	X	X	X	X									
15	WG-11122014-JR-IW42	11/12/14	11:20			5	3							8	X	X	X	X									

Discrepancies see COC-RF 12/12/14

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 136

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	11/12/14	14:50	1.	CAS	11/12/14	1450
2.	CAS	11/12/14	1710	2.	CAS	11-12-14	1710
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

COC NO.: 38275

Address: 8615 W. BRYN MAWR AVE, CHICAGO, IL 60631

Phone: 773-380-9933 Fax:

CAS ORDER NO:

PAGE 2 OF 2

(See Reverse Side for Instructions)

SSOW Rev 11/13/14 Report/EDD Dec 3/14

Project No/ Phase/Task Code: 054046-D23122/42407	Laboratory Name: CONTINENTAL ANALYTICAL	Lab Location: SALINA, KS	SSOW ID: 251-402-D02-3100
Project Name: OCC WICHITA	Lab Contact: CLIFF BAKER	Lab Quote No:	Cooler No:
Project Location: WICHITA, KS			Carrier: CONTINENTAL
Chemistry Contact: PAUL McMAHON			Airbill No: N/A
Sampler(s): ANDY KLEIN/JEREMY RATE			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs	SVOCs	PESTICIDES/ HERBICIDES	CHLORIDES/ HARDNESS							MS/MSD Request	Comments/ Special Instructions:
1	WG-11122014-JR-IW41	11/12/14	12:00	WG	G	5	3							8	X	X	X	X								
2	WG-11122014-JR-IW46	↓	13:25	↓	↓	5	3							8	X	X	X	X								
3	WG-11122014-JR-Builders	↓	13:45	↓	↓	5	3							8	X	X	X	X								
4	WG-11122014-JR-IW45	↓	14:05	↓	↓	5	3							8	X	X	X	X								
5	TB-11122014-JR	↓	14:35	↓	↓		3							3	X											
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 35

All Samples in Cooler must be on COC

Notes/ Special Requirements:

	Relinquished By	Company	Date	Time		Received By	Company	Date	Time
1.	[signature]	CRA	11/12/14	14:50	1.	[signature]	CAS	11/12/14	14:50
2.	[signature]	CAS	11/12/14	17:15	2.	[signature]	CAS	11/12/14	17:15
3.					3.				

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 41 -4LA
46 4LA
Builders 2LA

Cooler 1 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / (Client's Cooler) / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / (Field Svcs) / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / (N/A)

Type of Packing Material: Blue Ice / (Ice) / Melted Ice / (Bubble) / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 6.2 Corrected Reading (°C) 0.6
Temperature. By: (Temperature Blank) Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mw 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: mw **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 45 4LA
42 4LA
Bubbles 2LA

Cooler 2 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 2334 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.0 Corrected Reading (°C) 0.4
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mw 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: mw **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: VOCs 250P

Cooler 3 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3276 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.1 Corrected Reading (°C) 0.5
Temperature. By: Temperature Blank Surface Temperature
mw 11-12-14 Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4
☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11/13/14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler:

2254 1415 2/53 2251 4LA

Cooler 4 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____

Seal Name: _____ Seal Date: _____

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.4 Corrected Reading (°C) 0.8

Temperature. By: Temperature Blank Surface Temperature

mw 11-12-14

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☐ No ☒ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☒ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments: MW2252 on COC labeled MW2251 on LA labels
12-10-14 - 15:40

Completed by: mw **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122202

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler:

14051 12LA

Cooler 5 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 3471 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.5 Corrected Reading (°C) 0.9
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mw 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: mw **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: FD-5 4UA
1552-4UA
14052153-2UA

Cooler 6 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ 2 Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 12 / 14 17 : 15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.7 Corrected Reading (°C) 1.1
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mws 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 40 4A
1253 4A

Cooler 7 of 9 for this CAS Order No.

Cooler Identification: CAS Cooler #: 4011 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11/12/14 17:15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.2 Corrected Reading (°C) 0.6
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mw 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes (See below for discrepancies.)

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: _____ Date Completed: 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 16252534UA
1251A 4UA
FD6 -4UA

Cooler 8 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler (blue lid) / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 12 / 14 17 : 15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.0 Corrected Reading (°C) 0.4
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

mw 11-12-14

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [signature] **Date Completed:** 11-13-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122702

Client Name: Occidental

CAS File No.: 7775

Sample ID's in cooler: 13752 4LA
2251 4LA
14052/53-2LA

Cooler 9 **of** 9 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 1 / Client's Cooler / Box / Letter / Hand-delivered
Other:

Date/Time Cooler Received: 11 / 12 / 14 17 : 15

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other:

Custody Seal: Present: Intact / Broken Absent: X Seal No:

Seal Name: Seal Date:

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other:

Cooler Temperature (°C): Original Reading (°C) 0.0 Corrected Reading (°C) 0.4

Temperature. By: Temperature Blank Surface Temperature

mw 11-12-14

Thermo. ID No.: 585 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies:

Detail to discrepancies/comments:

Completed by: mw **Date Completed:** 11-13-14

Continental Analytical Services, Inc.

Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date and Time Received: 11/25/2014 1545
Continental File No.: 7775
Continental Order No.: 122969
Project ID: 054046-042407
Purchase Auth: GSH00009; CRA#42407

Dear Ms. Thurman:

This laboratory report, containing the samples indicated below, includes 18 pages for the analytical report, 1 page(s) for the chain of custody and/or analysis request, and 2 page(s) for the sample receipt form.

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
14112130	WG-11252014-JR-IW43	Liquid	11/25/2014
14112131	WG-11252014-JR-IW44	Liquid	11/25/2014
14112132	WG-11252014-JR-DW-7	Liquid	11/25/2014
14112133	WG-11252014-JR-AP2800	Liquid	11/25/2014
14112134	TB-11252014-JR	Liquid	11/25/2014

The Appendix and Quality Control sections are integral parts of this laboratory report and may contain important data qualifiers.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

525 N. Eighth St. - Salina, KS 67401
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Lab Number: 14112130
Sample Description: WG-11252014-JR-IW43

Date Sampled: 11/25/2014
Time Sampled: 0840

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	36	µg/L	7411/68
Pentachlorophenol	ND(0.5)	µg/L	7411/67
OXY Chlorinated Hyd.			
A-BHC	0.088 FD	µg/L	7410/65
B-BHC	0.291	µg/L	7410/65
G-BHC	0.057	µg/L	7410/65
Hexachloroethane	0.44	µg/L	7410/65
Hexachlorobutadiene	ND(0.02)	µg/L	7410/65
Hexachlorobenzene	ND(0.10)	µg/L	7410/65
D-BHC	ND(0.05)	µg/L	7410/65
OXY GC/MS Acids			
2-Chlorophenol	13.1	µg/L	7326/427
3-& 4-Chlorophenol	14.3	µg/L	7326/427
2,4-Dichlorophenol	54.9	µg/L	7326/427
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,6-Dichlorophenol	35.1	µg/L	7326/427
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,4,6-Trichlorophenol	17.8	µg/L	7326/427
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/427
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/427
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(20)	µg/L	7348/362
1,2-Dichloroethane	ND(20)	µg/L	7348/362
Benzene	ND(20)	µg/L	7348/362
Carbon tetrachloride	1380	µg/L	7348/362
Chloroform	55	µg/L	7348/362
Chloromethane	ND(20)	µg/L	7348/362
Methylene chloride	ND(20)	µg/L	7348/362
Tetrachloroethylene	ND(20)	µg/L	7348/362
Trichloroethylene	ND(20)	µg/L	7348/362
Vinyl chloride	ND(20)	µg/L	7348/362
1,2-Dichloropropane	ND(20)	µg/L	7348/362
Hardness (Calculated)	507	mg/L as CaCO3	7443/124
Chloride	1310	mg/L	7277/632

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	12/02/14 0645	12/05/14 1658	141202-1	1NX5339	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	12/02/14 0645	12/04/14 1913	141202-1	1NX5338	JMM	8151A(M)
OXY Chlorinated Hyd.	12/01/14 1400	12/08/14 1421	141201-5	4EX7341	JMM	8121
OXY GC/MS Acids	12/01/14 1400	12/04/14 1622	141201-4	1MS6338	BLP	8270C
OXY Volatiles by 8260	N/A	12/01/14 1746	1MS5335	1MS5335	RKR	8260B
Hardness (Calculated)	12/03/14 0847	12/03/14 2311	141203-3	12IP4337	KMW	6010B & SM 2340B
Chloride	N/A	12/05/14 1217	1IC2339	1IC2339	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14112130

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Lab Number: 14112131
Sample Description: WG-11252014-JR-IW44

Date Sampled: 11/25/2014
Time Sampled: 0855

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/67
Pentachlorophenol	ND(0.5)	µg/L	7411/67
OXY Chlorinated Hyd.	SR		
A-BHC	ND(0.011)	µg/L	7410/65
B-BHC	ND(0.037)	µg/L	7410/65
G-BHC	ND(0.052)	µg/L	7410/65
Hexachloroethane	0.03	µg/L	7410/65
Hexachlorobutadiene	ND(0.02)	µg/L	7410/65
Hexachlorobenzene	ND(0.10)	µg/L	7410/65
D-BHC	ND(0.05)	µg/L	7410/65
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/427
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/427
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/427
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/427
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(2)	µg/L	7348/362
1,2-Dichloroethane	ND(2)	µg/L	7348/362
Benzene	ND(2)	µg/L	7348/362
Carbon tetrachloride	217	µg/L	7348/362
Chloroform	6.3	µg/L	7348/362
Chloromethane	ND(2)	µg/L	7348/362
Methylene chloride	ND(2)	µg/L	7348/362
Tetrachloroethylene	ND(2)	µg/L	7348/362
Trichloroethylene	ND(2)	µg/L	7348/362
Vinyl chloride	ND(2)	µg/L	7348/362
1,2-Dichloropropane	ND(2)	µg/L	7348/362
Hardness (Calculated)	300.	mg/L as CaCO3	7443/124
Chloride	133	mg/L	7277/632

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	12/02/14 0645	12/04/14 1636	141202-1	1NX5338	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	12/02/14 0645	12/04/14 1636	141202-1	1NX5338	JMM	8151A(M)
OXY Chlorinated Hyd.	12/01/14 1400	12/08/14 1504	141201-5	4EX7341	JMM	8121
OXY GC/MS Acids	12/01/14 1400	12/04/14 1707	141201-4	1MS6338	BLP	8270C
OXY Volatiles by 8260	N/A	12/01/14 1812	1MS5335	1MS5335	RKR	8260B
Hardness (Calculated)	12/03/14 0847	12/03/14 2316	141203-3	12IP4337	KMW	6010B & SM 2340B
Chloride	N/A	12/05/14 1312	1IC2339	2IC2339	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14112131

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Lab Number: 14112132
Sample Description: WG-11252014-JR-DW-7

Date Sampled: 11/25/2014
Time Sampled: 0920

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/67
Pentachlorophenol	ND(0.5)	µg/L	7411/67
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/65
B-BHC	ND(0.037)	µg/L	7410/65
G-BHC	ND(0.052)	µg/L	7410/65
Hexachloroethane	ND(0.02)	µg/L	7410/65
Hexachlorobutadiene	ND(0.02)	µg/L	7410/65
Hexachlorobenzene	ND(0.10)	µg/L	7410/65
D-BHC	ND(0.05)	µg/L	7410/65
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/427
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/427
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/427
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/427
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/362
1,2-Dichloroethane	ND(0.5)	µg/L	7348/362
Benzene	ND(0.5)	µg/L	7348/362
Carbon tetrachloride	ND(0.5)	µg/L	7348/362
Chloroform	ND(0.5)	µg/L	7348/362
Chloromethane	ND(0.5)	µg/L	7348/362
Methylene chloride	ND(0.5)	µg/L	7348/362
Tetrachloroethylene	ND(0.5)	µg/L	7348/362
Trichloroethylene	ND(0.5)	µg/L	7348/362
Vinyl chloride	ND(0.5)	µg/L	7348/362
1,2-Dichloropropane	ND(0.5)	µg/L	7348/362
Hardness (Calculated)	191	mg/L as CaCO3	7443/124
Chloride	49	mg/L	7277/632

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	12/02/14 0645	12/04/14 1715	141202-1	1NX5338	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	12/02/14 0645	12/04/14 1715	141202-1	1NX5338	JMM	8151A(M)
OXY Chlorinated Hyd.	12/01/14 1400	12/08/14 1548	141201-5	4EX7341	JMM	8121
OXY GC/MS Acids	12/01/14 1400	12/04/14 1752	141201-4	1MS6338	BLP	8270C
OXY Volatiles by 8260	N/A	12/01/14 1838	1MS5335	1MS5335	RKR	8260B
Hardness (Calculated)	12/03/14 0847	12/03/14 2320	141203-3	12IP4337	KMW	6010B & SM 2340B
Chloride	N/A	12/05/14 1325	1IC2339	2IC2339	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14112132

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Lab Number: 14112133
Sample Description: WG-11252014-JR-AP2800

Date Sampled: 11/25/2014
Time Sampled: 1040

Analysis	Concentration	Units	Book/Page
2,4-Dichlorophenoxyacetic Acid	ND(1.0)	µg/L	7411/67
Pentachlorophenol	ND(0.5)	µg/L	7411/67
OXY Chlorinated Hyd.			
A-BHC	ND(0.011)	µg/L	7410/65
B-BHC	ND(0.037)	µg/L	7410/65
G-BHC	ND(0.052)	µg/L	7410/65
Hexachloroethane	ND(0.02)	µg/L	7410/65
Hexachlorobutadiene	ND(0.02)	µg/L	7410/65
Hexachlorobenzene	ND(0.10)	µg/L	7410/65
D-BHC	ND(0.05)	µg/L	7410/65
OXY GC/MS Acids			
2-Chlorophenol	ND(5.0)	µg/L	7326/427
3-& 4-Chlorophenol	ND(5.0)	µg/L	7326/427
2,4-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,5-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,6-Dichlorophenol	ND(5.0)	µg/L	7326/427
2,4,5-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,4,6-Trichlorophenol	ND(5.0)	µg/L	7326/427
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	µg/L	7326/427
2,3,4,6-Tetrachlorophenol	ND(5.0)	µg/L	7326/427
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7350/291
1,2-Dichloroethane	ND(0.5)	µg/L	7350/291
Benzene	ND(0.5)	µg/L	7350/291
Carbon tetrachloride	ND(0.5)	µg/L	7350/291
Chloroform	ND(0.5)	µg/L	7350/291
Chloromethane	ND(0.5)	µg/L	7350/291
Methylene chloride	ND(0.5)	µg/L	7350/291
Tetrachloroethylene	ND(0.5)	µg/L	7350/291
Trichloroethylene	ND(0.5)	µg/L	7350/291
Vinyl chloride	ND(0.5)	µg/L	7350/291
1,2-Dichloropropane	ND(0.5)	µg/L	7350/291
Hardness (Calculated)	287	mg/L as CaCO3	7443/124
Chloride	53	mg/L	7277/632

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
2,4-Dichlorophenoxyacetic Ac	12/02/14 0645	12/04/14 1755	141202-1	1NX5338	JMM	8151A(M)

-Continued-

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Pentachlorophenol	12/02/14 0645	12/04/14 1755	141202-1	1NX5338	JMM	8151A(M)
OXY Chlorinated Hyd.	12/01/14 1400	12/08/14 1631	141201-5	4EX7341	JMM	8121
OXY GC/MS Acids	12/01/14 1400	12/04/14 1836	141201-4	1MS6338	BLP	8270C
OXY Volatiles by 8260	N/A	12/02/14 1332	1MS9336	1MS9336	RKR	8260B
Hardness (Calculated)	12/03/14 0847	12/03/14 2324	141203-3	12IP4337	KMW	6010B & SM 2340B
Chloride	N/A	12/05/14 1339	1IC2339	2IC2339	MLL	300.0/9056A
Volatile Analysis Preparation Method						5030B
Acid Preparation Method						625/3510C
Herbicides Preparation Method						8151A(M)
Chlorinated Hydrocarbons Preparation Method						3510C
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 14112133

Sample Results

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Lab Number: 14112134
Sample Description: TB-11252014-JR

Date Sampled: 11/25/2014
Time Sampled:

Analysis	Concentration	Units	Book/Page
OXY Volatiles by 8260			
1,1,1-Trichloroethane	ND(0.5)	µg/L	7348/362
1,2-Dichloroethane	ND(0.5)	µg/L	7348/362
Benzene	ND(0.5)	µg/L	7348/362
Carbon tetrachloride	ND(0.5)	µg/L	7348/362
Chloroform	ND(0.5)	µg/L	7348/362
Chloromethane	ND(0.5)	µg/L	7348/362
Methylene chloride	ND(0.5)	µg/L	7348/362
Tetrachloroethylene	ND(0.5)	µg/L	7348/362
Trichloroethylene	ND(0.5)	µg/L	7348/362
Vinyl chloride	ND(0.5)	µg/L	7348/362
1,2-Dichloropropane	ND(0.5)	µg/L	7348/362

Analysis	Date/Time Prepared	Date/Time Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
OXY Volatiles by 8260	N/A	12/01/14 1930	1MS5335	1MS5335	RKR	8260B
Volatile Analysis Preparation Method						5030B

Conclusion of Lab Number: 14112134

Appendix

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

ND( ), where reported, indicates the analyte was not detected above the Limit of Quantitation (LOQ). The concentration of the LOQ is inside the parentheses.

All samples which require cooling were received at a temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

FD - The confirmation analysis on a second GC column (or detector) resulted in a greater than 40% difference between the primary and confirmation results. The higher value was reported.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

SR - One or more surrogate recoveries for this analysis did not meet quality control limits. Please see the Quality Control Report for the sample surrogate data.

Accreditation Summary

Client: Occidental Chemical Corporation
Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

NELAP accreditation is issued under each EPA regulatory program for a given matrix/analyte/method combination. Continental is NELAP accredited for each matrix/analyte/method and EPA program cited in this Laboratory Report, except for those listed in the table below and for analyses performed in the field. For most of the analyses listed in the table, NELAP accreditation is not offered under the listed EPA program and Continental is NELAP accredited for the analysis, using the same analytical technology, but under a different EPA program. Continental's full NELAP accreditation status may be viewed at www.kdheks.gov/envlab. Note that unless qualified otherwise in the Laboratory Report, Continental performs all analyses, including each analysis listed in the table below, utilizing NELAP protocol.

Test	Analysis	Matrix-Regulatory Program	Method	CAS NELAP Accredited in Other Reg. Program
CL351	OXY Chlorinated Hyd.	L-RCRA	8121	
CL351	Hexachloroethane	L-RCRA	8121	No
CL351	Hexachlorobutadiene	L-RCRA	8121	No
MS302	OXY GC/MS Acids	L-RCRA	8270C	
MS302	3-& 4-Chlorophenol	L-RCRA	8270C	No
MS302	2,5-Dichlorophenol	L-RCRA	8270C	No
MS302	2,3,4,5-Tetrachlorophenol	L-RCRA	8270C	No

Quality Control Report
Batch Summary

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Test Code	Testname	QC Batch	Method Blank Date/Time Analyzed	LCS Date/Time Analyzed	MS Lab No. Date/Time Analyzed
CL223	2,4-Dichlorophenoxyacetic Acid	141202-1	141202BLK1 12/04/14 1517	141202LCS1 12/04/14 1557	14112130MS
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					
CL350	Pentachlorophenol	141202-1	141202BLK1 12/04/14 1517	141202LCS1 12/04/14 1557	14112130MS
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					
CL351	OXY Chlorinated Hyd.	141201-5	141201BLK5 12/08/14 1255	141201LCS5 12/08/14 1338	14112130MS
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					
MS302	OXY GC/MS Acids	141201-4	141201BLK4 12/04/14 1453	141201LCS4 12/04/14 1538	14112130MS
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					
MS350	OXY Volatiles by 8260	1MS5335	BLK1MS5335 12/01/14 0958	LCS1MS5335 12/01/14 0906	
Lab numbers associated with this batch: 14112130 14112131 14112132 14112134					
MS350	OXY Volatiles by 8260	1MS9336	BLK1MS9336 12/02/14 0930	LCS1MS9336 12/02/14 0841	
Lab numbers associated with this batch: 14112133					
SL323	Hardness (Calculated)	141203-3	141203BLK3 12/03/14 2303	141203LCS3 12/03/14 2307	14112133MS 12/03/14 2328
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					
GL502	Chloride	1IC2339	BLK1IC2339 12/05/14 1028	LCS1IC2339 12/05/14 1042	
Lab numbers associated with this batch: 14112130 14112131 14112132 14112133					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 141201-4	**For samples prepared on: 12/01/2014 1400**					**Spiked sample: 14112130**						
OXY GC/MS Acids				N/A					N/A			
2-Chlorophenol	ND(5.0)	95.4	70.2-103	50.0	µg/L	F	F	73.0-111	N/A	mg/kg	**	10.2
3-& 4-Chlorophenol	ND(5.0)	79.6	60.2-90.2	50.0	µg/L	F	F	76.2-110	N/A	mg/kg	**	11.5
2,4-Dichlorophenol	ND(5.0)	100.	69.4-120	50.0	µg/L	F	F	63.5-125	N/A	mg/kg	**	11.6
2,5-Dichlorophenol	ND(5.0)	98.1	74.7-110	50.0	µg/L	F	F	88.0-103	N/A	mg/kg	**	11.6
2,6-Dichlorophenol	ND(5.0)	102	75.6-115	50.0	µg/L	F	F	78.8-115	N/A	mg/kg	**	7.7
2,4,5-Trichlorophenol	ND(5.0)	105	78.9-118	50.0	µg/L	F	F	78.4-115	N/A	mg/kg	**	10.8
2,4,6-Trichlorophenol	ND(5.0)	106	78.5-118	50.0	µg/L	F	F	78.4-116	N/A	mg/kg	**	8.6
2,3,4,5-Tetrachlorophenol	ND(5.0) CE	103 CE	72.6-125	100	µg/L	F	F	69.4-117	N/A	mg/kg	**	13.4
2,3,4,6-Tetrachlorophenol	ND(5.0)	107	72.9-128	50.0	µg/L	F	F	72.6-120	N/A	mg/kg	**	13.9
Surrogate Data:												
PHENOL-d6	35.9	35.5	22.3-43.0	150	µg/L			22.3-43.0	N/A	µg/L	**	
2-FLUOROPHENOL	57.4	55.7	37.7-66.5	150	µg/L			37.7-66.5	N/A	µg/L	**	
2,4,6-TRIBROMOPHENOL	101	113	56.7-128	150	µg/L			56.7-128	N/A	µg/L	**	
QC Batch: 141201-5	**For samples prepared on: 12/01/2014 1400**					**Spiked sample: 14112130**						
OXY Chlorinated Hyd.				N/A					N/A			
A-BHC	ND(0.011)	97.0	79.1-131	0.50	µg/L	F	F	80.2-131	N/A	mg/kg	**	16.5
B-BHC	ND(0.037)	96.2	75.0-135	0.50	µg/L	F	F	0.10-261	N/A	mg/kg	**	37.2
G-BHC	ND(0.052)	94.8	77.8-133	0.50	µg/L	F	F	77.8-131	N/A	mg/kg	**	15.0
Hexachloroethane	ND(0.02)	95.2	46.8-125	0.50	µg/L	F	F	76.7-124	N/A	mg/kg	**	16.4
Hexachlorobutadiene	ND(0.02)	99.0	41.2-130	0.50	µg/L	F	F	65.4-142	N/A	mg/kg	**	19.4
Hexachlorobenzene	ND(0.10)	93.4	70.8-133	0.50	µg/L	F	F	54.2-165	N/A	mg/kg	**	24.5
D-BHC	ND(0.05)	91.8	76.9-150	0.50	µg/L	F	F	70.1-158	N/A	mg/kg	**	14.6
Surrogate Data:												
1,4-DICHLORONAPHTHALENE	88.1	91.7	58.6-99.8	8.0	µg/L			58.6-99.8	N/A	µg/L	**	
QC Batch: 141202-1	**For samples prepared on: 12/02/2014 0645**					**Spiked sample: 14112130**						
2,4-Dichlorophenoxyacetic Aci	ND(1.0)	109	69.8-136	4.0	µg/L			77.4-130	N/A	µg/L	**	20.7
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	94.7	103	61.3-125	5.0	µg/L			61.3-125	N/A	µg/L	**	
QC Batch: 141202-1	**For samples prepared on: 12/02/2014 0645**					**Spiked sample: 14112130**						
Pentachlorophenol	ND(0.5)	106	74.9-121	4.0	µg/L			10.5-152	N/A	µg/L	**	16.3
Surrogate Data:												
2,4-DICHLOROPHENYLACETIC ACID	94.7	103	61.3-125	5.0	µg/L			61.3-125	N/A	µg/L	**	
QC Batch: 141203-3	**For samples prepared on: 12/03/2014 0847**					**Spiked sample: 14112133**						
Hardness (Calculated)	ND(5.0)	89.6	80.0-120	357	mg/L a	80.1	87.6	80.0-120	357	mg/L a	4.60	20.0
QC Batch: 1IC2339	**For sample analyzed on: 12/05/2014**					**Spiked sample:**						
Chloride	ND(1.0)	95.5	90.0-110	4.0	mg/L	MN	MN	71.9-123	N/A	mg/L	**	5.2
QC Batch: 1MS5335	**For sample analyzed on: 12/01/2014**					**Spiked sample:**						
OXY Volatiles by 8260				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	92.7	81.5-118	10.0	µg/L			80.9-119	N/A	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	87.0	74.4-117	10.0	µg/L			76.0-121	N/A	µg/L	**	10.3
Benzene	ND(0.5)	93.7	84.4-112	10.0	µg/L			79.1-119	N/A	µg/L	**	6.3
Carbon tetrachloride	ND(0.5)	94.9	81.7-124	10.0	µg/L			79.4-126	N/A	µg/L	**	8.3
Chloroform	ND(0.5)	91.3	75.7-112	10.0	µg/L			72.9-119	N/A	µg/L	**	8.1
Chloromethane	ND(0.5)	88.8	72.2-129	10.0	µg/L			67.0-134	N/A	µg/L	**	11.7
Methylene chloride	ND(0.5)	85.1	77.0-112	10.0	µg/L			75.6-117	N/A	µg/L	**	10.5

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Method Blank	LCS % Rec	LCS Limits	LCS Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	MS/MSD Limits	MS/MSD Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 1MS5335	**For sample analyzed on: 12/01/2014**					**Spiked sample:**						
Tetrachloroethylene	ND(0.5)	102	87.4-118	10.0	µg/L			83.0-120	N/A	µg/L	**	8.2
Trichloroethylene	ND(0.5)	99.2	82.5-115	10.0	µg/L			82.9-118	N/A	µg/L	**	8.3
Vinyl chloride	ND(0.5)	83.9	76.6-130	10.0	µg/L			73.1-135	N/A	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	95.4	80.8-112	10.0	µg/L			81.1-116	N/A	µg/L	**	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	87.8	94.2	74.9-126	10.0	µg/L	MN	MN	74.9-126	N/A	µg/L	**	
TOLUENE-d8	105	105	90.5-117	10.0	µg/L	MN	MN	90.5-117	N/A	µg/L	**	
QC Batch: 1MS9336	**For sample analyzed on: 12/02/2014**					**Spiked sample:**						
OXY Volatiles by 8260				N/A		MN	MN		N/A			
1,1,1-Trichloroethane	ND(0.5)	102	81.5-118	10.0	µg/L			80.9-119	N/A	µg/L	**	8.0
1,2-Dichloroethane	ND(0.5)	93.7	74.4-117	10.0	µg/L			76.0-121	N/A	µg/L	**	10.3
Benzene	ND(0.5)	99.8	84.4-112	10.0	µg/L			79.1-119	N/A	µg/L	**	6.3
Carbon tetrachloride	ND(0.5)	102	81.7-124	10.0	µg/L			79.4-126	N/A	µg/L	**	8.3
Chloroform	ND(0.5)	99.8	75.7-112	10.0	µg/L			72.9-119	N/A	µg/L	**	8.1
Chloromethane	ND(0.5)	97.3	72.2-129	10.0	µg/L			67.0-134	N/A	µg/L	**	11.7
Methylene chloride	ND(0.5)	96.8	77.0-112	10.0	µg/L			75.6-117	N/A	µg/L	**	10.5
Tetrachloroethylene	ND(0.5)	96.7	87.4-118	10.0	µg/L			83.0-120	N/A	µg/L	**	8.2
Trichloroethylene	ND(0.5)	101	82.5-115	10.0	µg/L			82.9-118	N/A	µg/L	**	8.3
Vinyl chloride	ND(0.5)	106	76.6-130	10.0	µg/L			73.1-135	N/A	µg/L	**	12.6
1,2-Dichloropropane	ND(0.5)	94.6	80.8-112	10.0	µg/L			81.1-116	N/A	µg/L	**	9.9
Surrogate Data:												
1,2-DICHLOROETHANE-d4	97.1	96.9	74.9-126	10.0	µg/L	MN	MN	74.9-126	N/A	µg/L	**	
TOLUENE-d8	102	106	90.5-117	10.0	µg/L	MN	MN	90.5-117	N/A	µg/L	**	

Data Qualifiers:

F - MS and/or MSD sample data are not available due to insufficient sample volume.

CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

** - RPD calculation not applicable/not available for this analysis.

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14112130		**Sample Description:WG-11252014-JR-IW43**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/05/2014	5.0	µg/L	116	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	100.	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	12/01/2014	12/08/2014	8.0	µg/L	96.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	12/01/2014	12/04/2014	150	µg/L	33.8	22.3-43.0
2-FLUOROPHENOL	12/01/2014	12/04/2014	150	µg/L	52.5	37.7-66.5
2,4,6-TRIBROMOPHENOL	12/01/2014	12/04/2014	150	µg/L	102	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		12/01/2014	400	µg/L	92.4	74.9-126
TOLUENE-d8		12/01/2014	400	µg/L	103	90.5-117
Lab Number: 14112131		**Sample Description:WG-11252014-JR-IW44**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	96.1	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	96.1	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	12/01/2014	12/08/2014	8.0	µg/L	101 SH	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	12/01/2014	12/04/2014	150	µg/L	33.2	22.3-43.0
2-FLUOROPHENOL	12/01/2014	12/04/2014	150	µg/L	52.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	12/01/2014	12/04/2014	150	µg/L	96.6	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		12/01/2014	40	µg/L	89.8	74.9-126
TOLUENE-d8		12/01/2014	40	µg/L	106	90.5-117
Lab Number: 14112132		**Sample Description:WG-11252014-JR-DW-7**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	104	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	104	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	12/01/2014	12/08/2014	8.0	µg/L	91.6	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	12/01/2014	12/04/2014	150	µg/L	31.6	22.3-43.0
2-FLUOROPHENOL	12/01/2014	12/04/2014	150	µg/L	50.6	37.7-66.5
2,4,6-TRIBROMOPHENOL	12/01/2014	12/04/2014	150	µg/L	98.2	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		12/01/2014	10	µg/L	91.5	74.9-126
TOLUENE-d8		12/01/2014	10	µg/L	104	90.5-117
Lab Number: 14112133		**Sample Description:WG-11252014-JR-AP2800**				
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	104	61.3-125
Herbicides						
2,4-DICHLOROPHENYLACETIC ACID	12/02/2014	12/04/2014	5.0	µg/L	104	61.3-125
OXY Chlorinated Hyd.						
1,4-DICHLORONAPHTHALENE	12/01/2014	12/08/2014	8.0	µg/L	89.9	58.6-99.8
OXY GC/MS Acids						
PHENOL-d6	12/01/2014	12/04/2014	150	µg/L	33.9	22.3-43.0

Quality Control Report
Sample Surrogate Data

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 14112133		**Sample Description:WG-11252014-JR-AP2800**				
OXY GC/MS Acids						
2-FLUOROPHENOL	12/01/2014	12/04/2014	150	µg/L	52.3	37.7-66.5
2,4,6-TRIBROMOPHENOL	12/01/2014	12/04/2014	150	µg/L	99.8	56.7-128
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		12/02/2014	10	µg/L	97.4	74.9-126
TOLUENE-d8		12/02/2014	10	µg/L	104	90.5-117
Lab Number: 14112134		**Sample Description:TB-11252014-JR**				
OXY Volatiles by 8260						
1,2-DICHLOROETHANE-d4		12/01/2014	10	µg/L	96.0	74.9-126
TOLUENE-d8		12/01/2014	10	µg/L	101	90.5-117

Data Qualifiers:
SH - One or more surrogate recoveries for this analysis was above the method or laboratory control limits. The reported sample concentration may be biased high.

Quality Control Report
Continuing Calibration Report

Client: Occidental Chemical Corporation
Attn: Lisa Thurman
P.O. Box 12283
Wichita, KS 67277

Date Reported: 12/09/2014
Date Received: 11/25/2014
Continental File No: 7775
Continental Order No: 122969

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
2,4-Dichlorophenoxyacetic Acid	12/04/2014	1NX5338	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	12/04/2014	2NX5338	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	12/05/2014	1NX5339	CCV recovery acceptable for this Instrument Batch.			
2,4-Dichlorophenoxyacetic Acid	12/05/2014	2NX5339	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	12/04/2014	1NX5338	CCV recovery acceptable for this Instrument Batch.			
Pentachlorophenol	12/04/2014	2NX5338	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/08/2014	4EX7341	CCV recovery acceptable for this Instrument Batch.			
OXY Chlorinated Hyd.	12/08/2014	5EX7341	CCV recovery acceptable for this Instrument Batch.			
Chloride	12/05/2014	1IC2339	CCV recovery acceptable for this Instrument Batch.			
Chloride	12/05/2014	2IC2339	CCV recovery acceptable for this Instrument Batch.			
Chloride	12/05/2014	3IC2339	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	12/03/2014	12IP4337	CCV recovery acceptable for this Instrument Batch.			
Hardness (Calculated)	12/03/2014	13IP4337	CCV recovery acceptable for this Instrument Batch.			
OXY GC/MS Acids	12/04/2014		CCV recovery acceptable except as qualified below.			
2,3,4,5-Tetrachlorophenol	12/04/2014	1MS6338	100	113	µg/ml	113 CE

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
14112130	1MS6338	WG-11252014-JR-IW43
14112131	1MS6338	WG-11252014-JR-IW44
14112132	1MS6338	WG-11252014-JR-DW-7
14112133	1MS6338	WG-11252014-JR-AP2800

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
OXY Volatiles by 8260	12/01/2014	1MS5335	CCV recovery acceptable for this Instrument Batch.			
OXY Volatiles by 8260	12/02/2014	1MS9336	CCV recovery acceptable for this Instrument Batch.			

Data Qualifiers:
CE - Compound coelutes. The value and/or spike level reported is a sum of coeluting compounds.

- Laboratory Report Conclusion -

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES

Report/EDD - 12/09/14

Address: 8615 W. Bryn Mawr Ave, Chicago, Ill 60631

Phone: 773-380-9933 Fax:

COC NO.: 38225

CAS ORDER NO: 102969

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 054046-D23122/42407	Laboratory Name: Continental Analytical	Lab Location: Salina, KS	SSOW ID: 251-402-D02-3100
Project Name: OCC Wichita	Lab Contact: Cliff Baker	Lab Quote No:	Cooler No:
Project Location: Wichita, KS			Carrier:
Chemistry Contact: Paul McMahon			Airbill No:
Sampler(s): Jeremy Raye			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested (See Back of COC for Definitions): VOC	SVOC	Pest/Herb.	Chloride/Hardness						MS/MSD Request	Comments/ Special Instructions:
1	WG-11252014-JR-1W43	11/25/14	8:40	WG	G	5	3							8	X	X	X	X							
2	WG-11252014-JR-1W44	↓	8:55	↓	↓	5	3							8	X	X	X	X							
3	WG-11252014-JR-DW-7	↓	9:20	↓	↓	5	3							8	X	X	X	X							
4	WG-11252014-JR-AP2800	↓	10:40	↓	↓	5	3							8	X	X	X	X							
5	TB-11252014-JR	↓	—				3							3	X										
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

	Relinquished By	Company	Date	Time		Received By	Company	Date	Time
1.	[signature]	CRA	11/25/14	13:05	1.	[signature]	CAS	112514	1330
2.	[signature]	CAS	112514	1545	2.	[signature]	CAS	11-25-14	15:45
3.					3.				

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122969

Client Name: OXY **CAS File No.:** 7775

Sample ID's in cooler:

DW7 AP2800 YLA 2508
1W44 1W43 2508

Cooler 1 **of** 2 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 4012 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 25 / 14 15 : 45

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.8 Corrected Reading (°C) 1.2
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 535 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ **No** ☐ **Yes** **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

☐ Chain of Custody not present - information taken from:
Cover Letter ☐ Container ☐
PO ☐ CAS Proj. Mgr. ☐
☐ Container label absent
☐ Chain of Custody incomplete [see detail below]
☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
☐ Date or Time sampled obtained from container label
☐ Chain of Custody missing sampler's name
☐ Chain of Custody missing matrix (sample type)
☐ Missing relinquished information: signature date time

☐ Sample excluded from Chain of Custody
☐ Sample listed on Chain of Custody, not received
☐ Sample identification on container and Chain of Custody do not agree
☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement
[Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
☐ Broken or leaking containers (detail actions below)
☐ Sample container type or labeled chemical preservation inappropriate
☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: MW **Date Completed:** 11-25-14

Continental Analytical Services, Inc.
Cooler/Sample Receipt Form (C/S RF)

CAS Order No.: 122969

Client Name: OXY

CAS File No.: 7775

Sample ID's in cooler: 1WYY 1WY3 YLA
VOC's

Cooler 2 **of** 2 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: Y015 / Client's Cooler / Box / Letter / Hand-delivered
Other: _____

Date/Time Cooler Received: 11 / 25 / 14 15 : 45

Delivered By: UPS / FedX / AB Express / Field Svcs / Mail / Walk-In / Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice / Ice / Melted Ice / Bubble / Foam / Paper / Peanuts / Vermiculite / None / Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.5 Corrected Reading (°C) 1.9
Temperature. By: Temperature Blank Surface Temperature
Thermo. ID No.: 525 Thermo. Correction Factor (°C): 0.4

☐ Evidence of Cooling and date received = date sampled

Sample Receipt Discrepancies: ☒ No ☐ Yes **(See below for discrepancies.)**

Note: If discrepancies are present, CAS will proceed with analyses until/unless directed otherwise by the client.

- ☐ Chain of Custody not present - information taken from:
  - Cover Letter ☐ Container ☐
  - PO ☐ CAS Proj. Mgr. ☐
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing date/time sampled (excl. TB or Dup.)
- ☐ Date or Time sampled obtained from container label
- ☐ Chain of Custody missing sampler's name
- ☐ Chain of Custody missing matrix (sample type)
- ☐ Missing relinquished information: signature date time
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample identification on container and Chain of Custody do not agree
- ☐ Air bubbles in Aqueous VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers (detail actions below)
- ☐ Sample container type or labeled chemical preservation inappropriate
- ☐ Other discrepancies: _____

Detail to discrepancies/comments:

Completed by: [illegible] **Date Completed:** 11-25-14

Appendix C

Data Quality Assessment and Validation Report

CONESTOGA-ROVERS
& ASSOCIATES

E-Mail Date: December 19, 2014

E-Mail To: Bruce Clegg, Walt Pochron, Mike Keppel

ANALYTICAL RESULTS AND REDUCED DATA VALIDATION
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

PREPARED BY:
CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Boulevard
Niagara Falls, New York 14304
Telephone: 716-297-6150
Contact: Sheri Finn [bjw]
Date: December 19, 2014
www.CRAworld.com

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1.0 Introduction

The following document details a reduced validation of analytical results for groundwater samples collected in support of the Semiannual Groundwater Sampling Program at the Wichita, Kansas Site during November 2014. Samples were submitted to Continental Analytical Services (CAS), located in Salina, Kansas. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spikes, and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the applicable guidance from the documents entitled:

i. Quality Assurance Project Plan, Facility-Related Investigative Activities, Resource Conservation and Recovery Act (RCRA) Corrective Action Program", Occidental Chemical Corporation, Wichita, Kansas, EPA ID No. KSD007482029, June 2009

ii. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

iii. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

Items ii) and iii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2.0 Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in the methods. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3.0 Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4.0 Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for organic determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of semi-volatile organic compound (SVOC) analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. Most surrogate recoveries met the above criteria. Several surrogates recovered outside of the control limits and the associated sample results were qualified as estimated (see Table 4).

5.0 Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. Non-detect sample results associated with high RPDs were not qualified. Non-detect data would not be impacted by the indicated high variability. If only the MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike. All recoveries were within the control limits demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision with the exception of low hardness recoveries. The associated sample result was qualified as estimated (see Table 5).

7.0 Field Quality Assurance/Quality Control Samples

The field QA/QC consisted of four trip blank samples and four field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, four trip blank samples were submitted to the laboratory for volatile organic compound (VOC) analysis. All results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, four field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criterion is one times the PQL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8.0 Analyte Reporting

Non-detect results were presented as non-detect at the PQL in Table 2. Several samples were qualified as estimated for some pesticide and herbicides due to the difference in the dual column analysis (see Table 2).

9.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

				Analysis/Parameters						
Sample I.D.	***Location I.D.***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCS***	***Chlorinated Phenols***	***Chlorinated Hydrocarbons***	***Pentachlorophenol & 2,4-D***	***Hardness***	***Chloride***	***Comments***
WG-11082014-JR-AMW105D	AMW105D	11/8/2014	10:15	X	X	X	X	X	X	
WG-11082014-JR-AMW105S	AMW105S	11/8/2014	9:05	X	X	X	X	X	X	
WG-11042014-AK-AMW107D	AMW107D	11/4/2014	15:25	X	X	X	X	X	X	
WG-11042014-AK-AMW107S	AMW107S	11/4/2014	16:00	X	X	X	X	X	X	
WG-11062014-AK-AMW4D	AMW4D	11/6/2014	10:05	X	X	X	X	X	X	
WG-11062014-AK-AMW4S	AMW4S	11/6/2014	9:10	X	X	X	X	X	X	MS/MSD
WG-11062014-AK-AMW5D	AMW5D	11/6/2014	11:40	X	X	X	X	X	X	
WG-11062014-AK-AMW5S	AMW5S	11/6/2014	12:40	X	X	X	X	X	X	
WG-11052014-AK-APMW302S1	APMW302S1	11/5/2014	9:45	X	X	X	X	X	X	
WG-11052014-AK-APMW302S2	APMW302S2	11/5/2014	10:25	X	X	X	X	X	X	
WG-11062014-AK-APMW302S3	APMW302S3	11/6/2014	17:30	X	X	X	X	X	X	
WG-11112014-JR-IW40	IW40	11/11/2014	9:50	X	X	X	X	X	X	
WG-11122014-JR-IW41	IW41	11/12/2014	12:00	X	X	X	X	X	X	
WG-11122014-JR-IW42	IW42	11/12/2014	11:20	X	X	X	X	X	X	
WG-11252014-JR-IW43	IW43	11/25/2014	8:40	X	X	X	X	X	X	
WG-11252014-JR-IW44	IW44	11/25/2014	8:55	X	X	X	X	X	X	
WG-11122014-JR-IW45	IW45	11/12/2014	14:05	X	X	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

				Analysis/Parameters						
Sample I.D.	***Location I.D.***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCS***	***Chlorinated Phenols***	***Chlorinated Hydrocarbons***	***Pentachlorophenol & 2,4-D***	***Hardness***	***Chloride***	***Comments***
WG-11122014-JR-IW46	IW46	11/12/2014	13:25	X	X	X	X	X	X	
WG-11072014-AK-MW03S1	MW03S1	11/7/2014	15:00	X	X	X	X	X	X	
WG-11052014-AK-MW07S1	MW07S1	11/5/2014	15:10	X	X	X	X	X	X	
WG-11052014-AK-MW07S2	MW07S2	11/5/2014	16:05	X	X	X	X	X	X	
WG-11052014-AK-MW07S3	MW07S3	11/5/2014	16:40	X	X	X	X	X	X	
WG-11052014-JR-MW08S1	MW08S1	11/5/2014	15:15	X	X	X	X	X	X	
WG-11052014-JR-MW08S2	MW08S2	11/5/2014	16:50	X	X	X	X	X	X	
WG-11052014-JR-MW08S3	MW08S3	11/5/2014	14:15	X	X	X	X	X	X	
WG-11092014-AK-MW09S1	MW09S1	11/9/2014	14:15	X	X	X	X	X	X	WG-11092014-AK-FD4
WG-11092014-JR-MW09S3	MW09S3	11/9/2014	14:00	X	X	X	X	X	X	
WG-11072014-JR-MW10S1	MW10S1	11/7/2014	10:20	X	X	X	X	X	X	
WG-11072014-JR-MW10S2	MW10S2	11/7/2014	9:20	X	X	X	X	X	X	
WG-11072014-JR-MW10S3	MW10S3	11/7/2014	11:15	X	X	X	X	X	X	
WG-11042014-JR-MW11S1	MW11S1	11/4/2014	10:50	X	X	X	X	X	X	
WG-11042014-JR-MW11S3A	MW11S3A	11/4/2014	11:25	X	X	X	X	X	X	MS/MSD
WG-11112014-AK-MW12S1A	MW12S1A	11/11/2014	11:20	X	X	X	X	X	X	WG-11112014-AK-FD6
WG-11112014-JR-MW12S3	MW12S3	11/11/2014	11:30	X	X	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

				Analysis/Parameters						
Sample I.D.	***Location I.D.***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCS***	***Chlorinated Phenols***	***Chlorinated Hydrocarbons***	***Pentachlorophenol & 2,4-D***	***Hardness***	***Chloride***	***Comments***
WG-11052014-JR-MW132S1	MW132S1	11/5/2014	9:50	X	X	X	X	X	X	
WG-11052014-JR-MW132S2/S3	MW132S2/S3	11/5/2014	10:50	X	X	X	X	X	X	
WG-11042014-JR-MW133S2/S3	MW133S2/S3	11/4/2014	9:50	X	X	X	X	X	X	
WG-11102014-JR-MW137S2	MW137S2	11/10/2014	14:00	X	X	X	X	X	X	
WG-11082014-AK-MW137S3	MW137S3	11/8/2014	15:45	X	X	X	X	X	X	
WG-11072014-JR-MW138S1	MW138S1	11/7/2014	14:00	X	X	X	X	X	X	
WG-11072014-JR-MW138S2/S3	MW138S2/S3	11/7/2014	13:25	X	X	X	X	X	X	
WG-11072014-AK-MW13S1	MW13S1	11/7/2014	12:30	X	X	X	X	X	X	
WG-11072014-AK-MW13S3	MW13S3	11/7/2014	11:00	X	X	X	X	X	X	
WG-11102014-AK-MW140S1	MW140S1	11/10/2014	12:00	X	X	X	X	X	X	MS/MSD
WG-11102014-JR-MW140S2/S3	MW140S2/S3	11/10/2014	12:40	X	X	X	X	X	X	
WG-11102014-AK-MW141S2/S3	MW141S2/S3	11/10/2014	10:30	X	X	X	X	X	X	
WG-11082014-JR-MW142S2/S3	MW142S2/S3	11/8/2014	11:15	X	X	X	X	X	X	
WG-11052014-JR-MW143S2/S3	MW143S2/S3	11/5/2014	11:30	X	X	X	X	X	X	
WG-11042014-JR-MW144S2/S3	MW144S2/S3	11/4/2014	17:25	X	X	X	X	X	X	
WG-11042014-JR-MW145S2/S3	MW145S2/S3	11/4/2014	16:15	X	X	X	X	X	X	
WG-11092014-AK-MW146S1	MW146S1	11/9/2014	15:50	X	X	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

				Analysis/Parameters						
Sample I.D.	***Location I.D.***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCS***	***Chlorinated Phenols***	***Chlorinated Hydrocarbons***	***Pentachlorophenol & 2,4-D***	***Hardness***	***Chloride***	***Comments***
WG-11092014-JR-MW147S1	MW147S1	11/9/2014	10:35	X	X	X	X	X	X	
WG-11092014-AK-MW147S2/S3	MW147S2/S3	11/9/2014	10:20	X	X	X	X	X	X	
WG-11092014-JR-MW148S1	MW148S1	11/9/2014	11:55	X	X	X	X	X	X	MS/MSD
WG-11092014-AK-MW148S2/S3	MW148S2/S3	11/9/2014	11:40	X	X	X	X	X	X	
WG-11062014-JR-MW149S2/S3	MW149S2/S3	11/6/2014	14:50	X	X	X	X	X	X	
WG-11042014-AK-MW14S1	MW14S1	11/4/2014	13:00	X	X	X	X	X	X	
WG-11042014-AK-MW14S3	MW14S3	11/4/2014	14:20	X	X	X	X	X	X	WG-11042014-AK-FD2
WG-11102014-JR-MW15S2	MW15S2	11/10/2014	11:15	X	X	X	X	X	X	WG-11102014-JR-FD-5
WG-11112014-AK-MW16S2SS	MW16S2SS	11/11/2014	9:50	X	X	X	X	X	X	
WG-11042014-JR-MW20S1	MW20S1	11/4/2014	14:05	X	X	X	X	X	X	
WG-11042014-JR-MW20S3	MW20S3	11/4/2014	14:55	X	X	X	X	X	X	
WG-11072014-AK-MW21S1	MW21S1	11/7/2014	9:15	X	X	X	X	X	X	
WG-11072014-AK-MW21S3	MW21S3	11/7/2014	10:05	X	X	X	X	X	X	
WG-11102014-AK-MW22S1	MW22S1	11/10/2014	15:10	X	X	X	X	X	X	
WG-11102014-JR-MW22S2	MW22S2	11/10/2014	15:40	X	X	X	X	X	X	
WG-11102014-AK-MW22S4	MW22S4	11/10/2014	16:00	X	X	X	X	X	X	
WG-11062014-AK-MW25S1	MW25S1	11/6/2014	16:30	X	X	X	X	X	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

				Analysis/Parameters						
Sample I.D.	***Location I.D.***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCS***	***Chlorinated Phenols***	***Chlorinated Hydrocarbons***	***Pentachlorophenol & 2,4-D***	***Hardness***	***Chloride***	***Comments***
WG-11052014-AK-MW26S1	MW26S1	11/5/2014	12:50	X	X	X	X	X	X	
WG-11052014-AK-MW26S3	MW26S3	11/5/2014	12:10	X	X	X	X	X	X	
WG-11062014-JR-MW30S1	MW30S1	11/6/2014	10:50	X	X	X	X	X	X	
WG-11062014-JR-MW30S3	MW30S3	11/6/2014	12:00	X	X	X	X	X	X	
WG-11062014-JR-MW31S1	MW31S1	11/6/2014	16:40	X	X	X	X	X	X	
WG-11252014-JR-AP2800	AP2800	11/25/2014	10:40	X	X	X	X	X	X	
WG-11122014-JR-BUILDERS	BUILDERS WELL	11/12/2014	13:45	X	X	X	X	X	X	
WG-11252014-JR-DW-7	DW-7	11/25/2014	9:20	X	X	X	X	X	X	

Notes:

VOCs - Volatile Organic Compounds
MS - Matrix Spike
MSD - Matrix Spike Duplicate
FD - Field Duplicate
WG - Groundwater

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AMW4D*	*AMW4S*	*AMW5D*	*AMW5S*
	Sample ID:	*WG-11062014-AK-AMW4D*	*WG-11062014-AK-AMW4S*	*WG-11062014-AK-AMW5D*	*WG-11062014-AK-AMW5S*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/6/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.8	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	1.0	0.5 U
Carbon tetrachloride	µg/L	0.5 U	0.6	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	0.8	0.7	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	8.2	0.8	0.5 U	0.5 U
Trichloroethene	µg/L	0.7	0.5 U	0.8	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	13.3	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AMW4D*	*AMW4S*	*AMW5D*	*AMW5S*
	Sample ID:	*WG-11062014-AK-AMW4D*	*WG-11062014-AK-AMW4S*	*WG-11062014-AK-AMW5D*	*WG-11062014-AK-AMW5S*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/6/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.03	0.02 U	0.04	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AMW4D*	*AMW4S*	*AMW5D*	*AMW5S*
	Sample ID:	*WG-11062014-AK-AMW4D*	*WG-11062014-AK-AMW4S*	*WG-11062014-AK-AMW5D*	*WG-11062014-AK-AMW5S*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/6/2014*	*11/6/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	106	155	125	112
Hardness, calculation	mgCaCO3/L	411	442	400.	425

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AMW105D*	*AMW105S*	*AMW107D*	*AMW107S*
	Sample ID:	*WG-11082014-JR-AMW105D*	*WG-11082014-JR-AMW105S*	*WG-11042014-AK-AMW107D*	*WG-11042014-AK-AMW107S*
	Sample Date:	*11/8/2014*	*11/8/2014*	*11/4/2014*	*11/4/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	0.5 U	0.5 U	0.9
Chloroform (Trichloromethane)	µg/L	0.5 U	0.5 U	0.5 U	1.1
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	1.1	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AMW105D*	*AMW105S*	*AMW107D*	*AMW107S*
	Sample ID:	*WG-11082014-JR-AMW105D*	*WG-11082014-JR-AMW105S*	*WG-11042014-AK-AMW107D*	*WG-11042014-AK-AMW107S*
	Sample Date:	*11/8/2014*	*11/8/2014*	*11/4/2014*	*11/4/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***AMW105D***	***AMW105S***	***AMW107D***	***AMW107S***
	Sample ID:	***WG-11082014-JR-AMW105D***	***WG-11082014-JR-AMW105S***	***WG-11042014-AK-AMW107D***	***WG-11042014-AK-AMW107S***
	Sample Date:	***11/8/2014***	***11/8/2014***	***11/4/2014***	***11/4/2014***
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	22.0	13.9	108	78
Hardness, calculation	mgCaCO3/L	237	185	437	395

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AP2800*	*APMW302S1*	*APMW302S2*	*APMW302S3*
	Sample ID:	*WG-11252014-JR-AP2800*	*WG-11052014-AK-APMW302S1*	*WG-11052014-AK-APMW302S2*	*WG-11062014-AK-APMW302S3*
	Sample Date:	*11/25/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	16.3	0.5 U	1.5
Chloroform (Trichloromethane)	µg/L	0.5 U	19.4	0.5 U	4.8
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	7.1	0.5 U	1.4
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AP2800*	*APMW302S1*	*APMW302S2*	*APMW302S3*
	Sample ID:	*WG-11252014-JR-AP2800*	*WG-11052014-AK-APMW302S1*	*WG-11052014-AK-APMW302S2*	*WG-11062014-AK-APMW302S3*
	Sample Date:	*11/25/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*AP2800*	*APMW302S1*	*APMW302S2*	*APMW302S3*
	Sample ID:	*WG-11252014-JR-AP2800*	*WG-11052014-AK-APMW302S1*	*WG-11052014-AK-APMW302S2*	*WG-11062014-AK-APMW302S3*
	Sample Date:	*11/25/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	53	63	46.5	47.1
Hardness, calculation	mgCaCO3/L	287	309	310.	287

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*Builders Well*	*DW-7*	*IW40*	*IW41*	*IW42*
	Sample ID:	*WG-11122014-JR-Builders*	*WG-11252014-JR-DW-7*	*WG-11112014-JR-IW40*	*WG-11122014-JR-IW41*	*WG-11122014-JR-IW42*
	Sample Date:	*11/12/2014*	*11/25/2014*	*11/11/2014*	*11/12/2014*	*11/12/2014*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	62.3	0.5 U	17.4	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	3	0.5 U	3.5	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds						
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*Builders Well*	*DW-7*	*IW40*	*IW41*	*IW42*
	Sample ID:	*WG-11122014-JR-Builders*	*WG-11252014-JR-DW-7*	*WG-11112014-JR-IW40*	*WG-11122014-JR-IW41*	*WG-11122014-JR-IW42*
	Sample Date:	*11/12/2014*	*11/25/2014*	*11/11/2014*	*11/12/2014*	*11/12/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds (Continued)						
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	-	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	-	0.037 U	0.037 U	0.479	0.126
delta-BHC	µg/L	-	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	-	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	-	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	-	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	-	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	0.5 U	-	-	-	-
Herbicides						
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	-	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides						
alpha-BHC	µg/L	0.011 U	-	-	-	-
beta-BHC	µg/L	0.208	-	-	-	-
delta-BHC	µg/L	0.05 U	-	-	-	-
gamma-BHC (lindane)	µg/L	0.052 U	-	-	-	-
Hexachlorobenzene	µg/L	0.10 U	-	-	-	-
Hexachlorobutadiene	µg/L	0.02 U	-	-	-	-
Hexachloroethane	µg/L	0.02 U	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*Builders Well*	*DW-7*	*IW40*	*IW41*	*IW42*
	Sample ID:	*WG-11122014-JR-Builders*	*WG-11252014-JR-DW-7*	*WG-11112014-JR-IW40*	*WG-11122014-JR-IW41*	*WG-11122014-JR-IW42*
	Sample Date:	*11/12/2014*	*11/25/2014*	*11/11/2014*	*11/12/2014*	*11/12/2014*
Parameters	***Units***					
General Chemistry						
Chloride	mg/L	88	49	239	115	63
Hardness, calculation	mgCaCO3/L	270.	191	412	262	174

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*IW45*	*IW46*	*IW600(43)*	*IW650(44)*	*MW03S1*
	Sample ID:	*WG-11122014-JR-IW45*	*WG-11122014-JR-IW46*	*WG-11252014-JR-IW43*	*WG-11252014-JR-IW44*	*WG-11072014-AK-MW03S1*
	Sample Date:	*11/12/2014*	*11/12/2014*	*11/25/2014*	*11/25/2014*	*11/7/2014*
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	2.3	1380	217	0.5 U
Chloroform (Trichloromethane)	µg/L	0.5 U	0.5 U	55	6.3	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	20 U	2 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	20 U	2 U	1.6
Semi-volatile Organic Compounds						
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	17.8	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	54.9	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	35.1	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	13.1	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*IW45*	*IW46*	*IW600(43)*	*IW650(44)*	*MW03S1*
	Sample ID:	*WG-11122014-JR-IW45*	*WG-11122014-JR-IW46*	*WG-11252014-JR-IW43*	*WG-11252014-JR-IW44*	*WG-11072014-AK-MW03S1*
	Sample Date:	*11/12/2014*	*11/12/2014*	*11/25/2014*	*11/25/2014*	*11/7/2014*
Parameters	***Units***					
Semi-volatile Organic Compounds (Continued)						
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	14.3	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.088 J	0.011 U	1.51
beta-BHC	µg/L	0.072	0.037 U	0.291	0.037 U	0.206
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.057	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.44	0.03 J	0.02 U
Pentachlorophenol	µg/L	-	-	-	-	-
Herbicides						
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	36	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides						
alpha-BHC	µg/L	-	-	-	-	-
beta-BHC	µg/L	-	-	-	-	-
delta-BHC	µg/L	-	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*IW45*	*IW46*	*IW600(43)*	*IW650(44)*	*MW03S1*
	Sample ID:	*WG-11122014-JR-IW45*	*WG-11122014-JR-IW46*	*WG-11252014-JR-IW43*	*WG-11252014-JR-IW44*	*WG-11072014-AK-MW03S1*
	Sample Date:	*11/12/2014*	*11/12/2014*	*11/25/2014*	*11/25/2014*	*11/7/2014*
Parameters	***Units***					
General Chemistry						
Chloride	mg/L	37.5	133	1310	133	40.5
Hardness, calculation	mgCaCO3/L	184	290.	507	300.	215

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW07S1*	*MW07S2*	*MW07S3*	*MW08S1*
	Sample ID:	*WG-11052014-AK-MW07S1*	*WG-11052014-AK-MW07S2*	*WG-11052014-AK-MW07S3*	*WG-11052014-JR-MW08S1*
	Sample Date:	*11/5/2014*	*11/5/2014*	*11/5/2014*	*11/5/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	50 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	260	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	50 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	150	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	2590	0.5 U	0.5 U	3.0
Chloroform (Trichloromethane)	µg/L	2790	0.7	0.5 U	11.7
Chloromethane (Methyl chloride)	µg/L	50 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	1420	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	670	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	50 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	50 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	31.8	5.0 U	5.0 U	19.0
2,4-Dichlorophenol	µg/L	246	5.0 U	5.0 U	152
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	21.1	5.0 U	5.0 U	88.8
2-Chlorophenol	µg/L	16.9	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW07S1*	*MW07S2*	*MW07S3*	*MW08S1*
	Sample ID:	*WG-11052014-AK-MW07S1*	*WG-11052014-AK-MW07S2*	*WG-11052014-AK-MW07S3*	*WG-11052014-JR-MW08S1*
	Sample Date:	*11/5/2014*	*11/5/2014*	*11/5/2014*	*11/5/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	1.09	0.011 U	0.011 U	0.045
beta-BHC	µg/L	0.19 U	0.037 U	0.037 U	0.688
delta-BHC	µg/L	0.71	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	1.02	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.50 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	2.8	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	17.5	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	680	1.0 U	1.0 U	4.8
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW07S1***	***MW07S2***	***MW07S3***	***MW08S1***
	Sample ID:	***WG-11052014-AK-MW07S1***	***WG-11052014-AK-MW07S2***	***WG-11052014-AK-MW07S3***	***WG-11052014-JR-MW08S1***
	Sample Date:	***11/5/2014***	***11/5/2014***	***11/5/2014***	***11/5/2014***
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	1240	148	163	1350
Hardness, calculation	mgCaCO3/L	1580	449	461	896

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW08S2*	*MW08S3*	*MW09S1*	*MW09S1*
	Sample ID:	*WG-11052014-JR-MW08S2*	*WG-11052014-JR-MW08S3*	*WG-11092014-AK-FD4*	*WG-11092014-AK-MW09S1*
	Sample Date:	*11/5/2014*	*11/5/2014*	*11/9/2014*	*11/9/2014*
				(Duplicate)	
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	1 U	2 U	2 U
1,2-Dichloroethane	µg/L	0.5 U	1 U	94.7	93.6
1,2-Dichloropropane	µg/L	0.5 U	1 U	2 U	2 U
Benzene	µg/L	0.5 U	1 U	19	19
Carbon tetrachloride	µg/L	9.8	59.1	2 U	2 U
Chloroform (Trichloromethane)	µg/L	14.3	25.5	2 U	2 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	1 U	2 U	2 U
Methylene chloride	µg/L	0.5 U	1 U	2 U	2 U
Tetrachloroethene	µg/L	3.6	6.8	120.	120.
Trichloroethene	µg/L	3.8	4.3	179	176
Vinyl chloride	µg/L	0.5 U	1 U	2 U	2 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW08S2*	*MW08S3*	*MW09S1*	*MW09S1*
	Sample ID:	*WG-11052014-JR-MW08S2*	*WG-11052014-JR-MW08S3*	*WG-11092014-AK-FD4*	*WG-11092014-AK-MW09S1*
	Sample Date:	*11/5/2014*	*11/5/2014*	*11/9/2014*	*11/9/2014*
				(Duplicate)	
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.052	0.057	0.366	0.399
beta-BHC	µg/L	0.472	1.13	0.055	0.061
delta-BHC	µg/L	0.05 U	0.05	0.32	0.36
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.118	0.128
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.84	0.86
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW08S2***	***MW08S3***	***MW09S1***	***MW09S1***
	Sample ID:	***WG-11052014-JR-MW08S2***	***WG-11052014-JR-MW08S3***	***WG-11092014-AK-FD4***	***WG-11092014-AK-MW09S1***
	Sample Date:	***11/5/2014***	***11/5/2014***	***11/9/2014***	***11/9/2014***
				(Duplicate)	
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	650	480	471	470
Hardness, calculation	mgCaCO3/L	757	626	807	786

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW09S3*	*MW10S1*	*MW10S2*	*MW10S3*
	Sample ID:	*WG-11092014-JR-MW09S3*	*WG-11072014-JR-MW10S1*	*WG-11072014-JR-MW10S2*	*WG-11072014-JR-MW10S3*
	Sample Date:	*11/9/2014*	*11/7/2014*	*11/7/2014*	*11/7/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	11.4	2.1	28.4	0.5 U
Chloroform (Trichloromethane)	µg/L	9.2	3.1	2.1	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	2.7	0.9	1.5	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	1.4
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW09S3*	*MW10S1*	*MW10S2*	*MW10S3*
	Sample ID:	*WG-11092014-JR-MW09S3*	*WG-11072014-JR-MW10S1*	*WG-11072014-JR-MW10S2*	*WG-11072014-JR-MW10S3*
	Sample Date:	*11/9/2014*	*11/7/2014*	*11/7/2014*	*11/7/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW09S3*	*MW10S1*	*MW10S2*	*MW10S3*
	Sample ID:	*WG-11092014-JR-MW09S3*	*WG-11072014-JR-MW10S1*	*WG-11072014-JR-MW10S2*	*WG-11072014-JR-MW10S3*
	Sample Date:	*11/9/2014*	*11/7/2014*	*11/7/2014*	*11/7/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	81	218	125	11.0
Hardness, calculation	mgCaCO3/L	208	422	351	99.0

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW11S1*	*MW11S3A*	*MW12S1A*	*MW12S1A*
	Sample ID:	*WG-11042014-JR-MW11S1*	*WG-11042014-JR-MW11S3A*	*WG-11112014-AK-FD6*	*WG-11112014-AK-MW12S1A*
	Sample Date:	*11/4/2014*	*11/4/2014*	*11/11/2014*	*11/11/2014*
				(Duplicate)	
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	300 U	300 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	300 U	300 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	300 U	300 U
Benzene	µg/L	0.5 U	0.5 U	300 U	300 U
Carbon tetrachloride	µg/L	19.8	0.5 U	2100	2100
Chloroform (Trichloromethane)	µg/L	4.6	0.5 U	6670	6660
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	300 U	300 U
Methylene chloride	µg/L	0.5 U	0.5 U	300 U	300 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	800	800
Trichloroethene	µg/L	0.5 U	0.5 U	300 U	300 U
Vinyl chloride	µg/L	0.5 U	0.5 U	300 U	300 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	39.5	37.8
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	157	149
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	84.4	79.5
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW11S1*	*MW11S3A*	*MW12S1A*	*MW12S1A*
	Sample ID:	*WG-11042014-JR-MW11S1*	*WG-11042014-JR-MW11S3A*	*WG-11112014-AK-FD6*	*WG-11112014-AK-MW12S1A*
	Sample Date:	*11/4/2014*	*11/4/2014*	*11/11/2014*	*11/11/2014*
				(Duplicate)	
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	16.1	15.1
alpha-BHC	µg/L	0.115	0.011 U	0.731 J	0.708 J
beta-BHC	µg/L	0.273	0.037 U	0.601 J	0.592 J
delta-BHC	µg/L	0.05 U	0.05 U	0.99 J	1.0 J
gamma-BHC (lindane)	µg/L	0.065	0.052 U	0.956 J	0.942 J
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.25 U	0.40 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	5.27 J	5.69 J
Hexachloroethane	µg/L	0.02 U	0.02 U	8.43 J	9.55 J
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	2.9	3.3
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW11S1*	*MW11S3A*	*MW12S1A*	*MW12S1A*
	Sample ID:	*WG-11042014-JR-MW11S1*	*WG-11042014-JR-MW11S3A*	*WG-11112014-AK-FD6*	*WG-11112014-AK-MW12S1A*
	Sample Date:	*11/4/2014*	*11/4/2014*	*11/11/2014*	*11/11/2014*
				(Duplicate)	
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	290.	75	809	820
Hardness, calculation	mgCaCO3/L	510.	285	396	393

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW12S3*	*MW13S1*	*MW13S3*	*MW14S1*
	Sample ID:	*WG-11112014-JR-MW12S3*	*WG-11072014-AK-MW13S1*	*WG-11072014-AK-MW13S3*	*WG-11042014-AK-MW14S1*
	Sample Date:	*11/11/2014*	*11/7/2014*	*11/7/2014*	*11/4/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	2 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	2 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	2 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	2 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	65.6	0.5 U	2.0	0.5 U
Chloroform (Trichloromethane)	µg/L	45.3	0.5 U	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	2 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	2 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	30.	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	2 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	2 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW12S3*	*MW13S1*	*MW13S3*	*MW14S1*
	Sample ID:	*WG-11112014-JR-MW12S3*	*WG-11072014-AK-MW13S1*	*WG-11072014-AK-MW13S3*	*WG-11042014-AK-MW14S1*
	Sample Date:	*11/11/2014*	*11/7/2014*	*11/7/2014*	*11/4/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.050 J	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	12.5 J	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.2 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.21 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.40 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.72 J	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.3 J	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW12S3***	***MW13S1***	***MW13S3***	***MW14S1***
	Sample ID:	***WG-11112014-JR-MW12S3***	***WG-11072014-AK-MW13S1***	***WG-11072014-AK-MW13S3***	***WG-11042014-AK-MW14S1***
	Sample Date:	***11/11/2014***	***11/7/2014***	***11/7/2014***	***11/4/2014***
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	130	32.8	70.	23.3
Hardness, calculation	mgCaCO3/L	240.	389	211	357

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW14S3*	*MW14S3*	*MW15S2*	*MW15S2*
	Sample ID:	*WG-11042014-AK-FD2*	*WG-11042014-AK-MW14S3*	*WG-11102014-JR-FD5*	*WG-11102014-JR-MW15S2*
	Sample Date:	*11/4/2014*	*11/4/2014*	*11/10/2014*	*11/10/2014*
		(Duplicate)		*(Duplicate)*	
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	100 U	100 U	30 U	10 U
1,2-Dichloroethane	µg/L	100 U	100 U	30 U	10 U
1,2-Dichloropropane	µg/L	100 U	100 U	30 U	10 U
Benzene	µg/L	100 U	100 U	30 U	10 U
Carbon tetrachloride	µg/L	3390	3260	570.	683
Chloroform (Trichloromethane)	µg/L	4410	4380	30 U	21
Chloromethane (Methyl chloride)	µg/L	100 U	100 U	30 U	10 U
Methylene chloride	µg/L	100 U	100 U	30 U	10 U
Tetrachloroethene	µg/L	640	610	30 U	10 U
Trichloroethene	µg/L	100 U	100 U	30 U	10 U
Vinyl chloride	µg/L	100 U	100 U	30 U	10 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.8	5.4	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW14S3*	*MW14S3*	*MW15S2*	*MW15S2*
	Sample ID:	*WG-11042014-AK-FD2*	*WG-11042014-AK-MW14S3*	*WG-11102014-JR-FD5*	*WG-11102014-JR-MW15S2*
	Sample Date:	*11/4/2014 (Duplicate)*	*11/4/2014*	*11/10/2014 (Duplicate)*	*11/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.39	0.32	0.011 U	0.011 U
beta-BHC	µg/L	0.571	0.548	0.108	0.140
delta-BHC	µg/L	0.51	0.42	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.652	0.540	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.40 U	0.40 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	1.4	1.2	0.02 U	0.02 U
Hexachloroethane	µg/L	7.87	7.17	0.02	0.03
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	6.4	5.4	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW14S3*	*MW14S3*	*MW15S2*	*MW15S2*
	Sample ID:	*WG-11042014-AK-FD2*	*WG-11042014-AK-MW14S3*	*WG-11102014-JR-FD5*	*WG-11102014-JR-MW15S2*
	Sample Date:	*11/4/2014*	*11/4/2014*	*11/10/2014*	*11/10/2014*
		(Duplicate)		*(Duplicate)*	
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	910	910	493	501
Hardness, calculation	mgCaCO3/L	947	935	490.	474

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW16S2SS*	*MW20S1*	*MW20S3*	*MW21S1*
	Sample ID:	*WG-11112014-AK-MW16S2SS*	*WG-11042014-JR-MW20S1*	*WG-11042014-JR-MW20S3*	*WG-11072014-AK-MW21S1*
	Sample Date:	*11/11/2014*	*11/4/2014*	*11/4/2014*	*11/7/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	30.	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	115	0.5 U	48.7	0.5 U
Chloroform (Trichloromethane)	µg/L	23	0.5 U	1.3	0.5 U
Chloromethane (Methyl chloride)	µg/L	5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	974	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	50 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	897	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW16S2SS*	*MW20S1*	*MW20S3*	*MW21S1*
	Sample ID:	*WG-11112014-AK-MW16S2SS*	*WG-11042014-JR-MW20S1*	*WG-11042014-JR-MW20S3*	*WG-11072014-AK-MW21S1*
	Sample Date:	*11/11/2014*	*11/4/2014*	*11/4/2014*	*11/7/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	1180	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.496	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	1.15	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 J	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.079	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.03	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW16S2SS***	***MW20S1***	***MW20S3***	***MW21S1***
	Sample ID:	***WG-11112014-AK-MW16S2SS***	***WG-11042014-JR-MW20S1***	***WG-11042014-JR-MW20S3***	***WG-11072014-AK-MW21S1***
	Sample Date:	***11/11/2014***	***11/4/2014***	***11/4/2014***	***11/7/2014***
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	1510	24.6	69	1390
Hardness, calculation	mgCaCO3/L	349	248	275	830.

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW21S3*	*MW22S1*	*MW22S2*	*MW22S4*
	Sample ID:	*WG-11072014-AK-MW21S3*	*WG-11102014-AK-MW22S1*	*WG-11102014-JR-MW22S2*	*WG-11102014-AK-MW22S4*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	50 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	50 U	0.5 U
Carbon tetrachloride	µg/L	7.2	2.6	3830	0.5 U
Chloroform (Trichloromethane)	µg/L	0.5	2.0	80	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	50 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	50 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	50 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	50 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	50 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW21S3*	*MW22S1*	*MW22S2*	*MW22S4*
	Sample ID:	*WG-11072014-AK-MW21S3*	*WG-11102014-AK-MW22S1*	*WG-11102014-JR-MW22S2*	*WG-11102014-AK-MW22S4*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.018	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.072	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	1.12	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW21S3*	*MW22S1*	*MW22S2*	*MW22S4*
	Sample ID:	*WG-11072014-AK-MW21S3*	*WG-11102014-AK-MW22S1*	*WG-11102014-JR-MW22S2*	*WG-11102014-AK-MW22S4*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	97	152	340	2.1
Hardness, calculation	mgCaCO3/L	261	314	439	32.2

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW25S1*	*MW26S1*	*MW26S3*	*MW30S1*
	Sample ID:	*WG-11062014-AK-MW25S1*	*WG-11052014-AK-MW26S1*	*WG-11052014-AK-MW26S3*	*WG-11062014-JR-MW30S1*
	Sample Date:	*11/6/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	1.0	0.5 U	2.6
Chloroform (Trichloromethane)	µg/L	0.5 U	2.4	0.5 U	3.5
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	2.6	0.5 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW25S1*	*MW26S1*	*MW26S3*	*MW30S1*
	Sample ID:	*WG-11062014-AK-MW25S1*	*WG-11052014-AK-MW26S1*	*WG-11052014-AK-MW26S3*	*WG-11062014-JR-MW30S1*
	Sample Date:	*11/6/2014*	*11/5/2014*	*11/5/2014*	*11/6/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.041	0.014
beta-BHC	µg/L	0.037 U	0.037 U	0.164	0.128
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW25S1***	***MW26S1***	***MW26S3***	***MW30S1***
	Sample ID:	***WG-11062014-AK-MW25S1***	***WG-11052014-AK-MW26S1***	***WG-11052014-AK-MW26S3***	***WG-11062014-JR-MW30S1***
	Sample Date:	***11/6/2014***	***11/5/2014***	***11/5/2014***	***11/6/2014***
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	83	120.	202	670
Hardness, calculation	mgCaCO3/L	355	424	589	521

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW30S3*	*MW31S1*	*MW132S1*	*MW132S2/S3*
	Sample ID:	*WG-11062014-JR-MW30S3*	*WG-11062014-JR-MW31S1*	*WG-11052014-JR-MW132S1*	*WG-11052014-JR-MW132S2/S3*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/5/2014*	*11/5/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	200 U	5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	200 U	5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	200 U	5 U	0.5 U	0.5 U
Benzene	µg/L	200 U	5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	12400	140.	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	200	8	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	200 U	5 U	0.5 U	0.5 U
Methylene chloride	µg/L	200 U	5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	200 U	5 U	0.5 U	0.5 U
Trichloroethene	µg/L	200 U	5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	200 U	5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	6.1	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW30S3*	*MW31S1*	*MW132S1*	*MW132S2/S3*
	Sample ID:	*WG-11062014-JR-MW30S3*	*WG-11062014-JR-MW31S1*	*WG-11052014-JR-MW132S1*	*WG-11052014-JR-MW132S2/S3*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/5/2014*	*11/5/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.15	0.038	0.011 U	0.011 U
beta-BHC	µg/L	0.328	0.271	0.037 U	0.037 U
delta-BHC	µg/L	0.1 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.11	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.20 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.05	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	5.47	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW30S3*	*MW31S1*	*MW132S1*	*MW132S2/S3*
	Sample ID:	*WG-11062014-JR-MW30S3*	*WG-11062014-JR-MW31S1*	*WG-11052014-JR-MW132S1*	*WG-11052014-JR-MW132S2/S3*
	Sample Date:	*11/6/2014*	*11/6/2014*	*11/5/2014*	*11/5/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	650	241	55	19.7
Hardness, calculation	mgCaCO3/L	615	299	288	211

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW133S2/S3***	***MW137S2***	***MW137S3***	***MW138S1***
	Sample ID:	***WG-11042014-JR-MW133S2/S3***	***WG-11102014-JR-MW137S2***	***WG-11082014-JR-MW137S3***	***WG-11072014-JR-MW138S1***
	Sample Date:	***11/4/2014***	***11/10/2014***	***11/8/2014***	***11/7/2014***
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	0.5 U	0.7	0.5 U
Chloroform (Trichloromethane)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW133S2/S3*	*MW137S2*	*MW137S3*	*MW138S1*
	Sample ID:	*WG-11042014-JR-MW133S2/S3*	*WG-11102014-JR-MW137S2*	*WG-11082014-JR-MW137S3*	*WG-11072014-JR-MW138S1*
	Sample Date:	*11/4/2014*	*11/10/2014*	*11/8/2014*	*11/7/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW133S2/S3*	*MW137S2*	*MW137S3*	*MW138S1*
	Sample ID:	*WG-11042014-JR-MW133S2/S3*	*WG-11102014-JR-MW137S2*	*WG-11082014-JR-MW137S3*	*WG-11072014-JR-MW138S1*
	Sample Date:	*11/4/2014*	*11/10/2014*	*11/8/2014*	*11/7/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	36.6	23.0	74	38.1
Hardness, calculation	mgCaCO3/L	242	236	286	237

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW138S2/S3*	*MW140S1*	*MW140S2/S3*	*MW141S2/S3*
	Sample ID:	*WG-11072014-JR-MW138S2/S3*	*WG-11102014-AK-MW140S1*	*WG-11102014-JR-MW140S2/S3*	*WG-11102014-AK-MW141S2/S3*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	50 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	50 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	50 U	0.5 U
Carbon tetrachloride	µg/L	1.2	0.5 U	1310	29.6
Chloroform (Trichloromethane)	µg/L	0.5 U	0.5 U	50 U	31.2
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	50 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	50 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	50 U	4.1
Trichloroethene	µg/L	0.5 U	0.5 U	50 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	50 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW138S2/S3*	*MW140S1*	*MW140S2/S3*	*MW141S2/S3*
	Sample ID:	*WG-11072014-JR-MW138S2/S3*	*WG-11102014-AK-MW140S1*	*WG-11102014-JR-MW140S2/S3*	*WG-11102014-AK-MW141S2/S3*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.09	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW138S2/S3*	*MW140S1*	*MW140S2/S3*	*MW141S2/S3*
	Sample ID:	*WG-11072014-JR-MW138S2/S3*	*WG-11102014-AK-MW140S1*	*WG-11102014-JR-MW140S2/S3*	*WG-11102014-AK-MW141S2/S3*
	Sample Date:	*11/7/2014*	*11/10/2014*	*11/10/2014*	*11/10/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	78	17.5	490	21.1
Hardness, calculation	mgCaCO3/L	266	244	658	144

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW142S2/S3*	*MW143S2/S3*	*MW144S2/S3*	*MW145S2/S3*
	Sample ID:	*WG-11082014-JR-MW142S2/S3*	*WG-11052014-JR-MW143S2/S3*	*WG-11042014-JR-MW144S2/S3*	*WG-11042014-JR-MW145S2/S3*
	Sample Date:	*11/8/2014*	*11/5/2014*	*11/4/2014*	*11/4/2014*
Parameters	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	15.2	0.5 U	0.5 U
Chloroform (Trichloromethane)	µg/L	0.5 U	3.1	0.5 U	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW142S2/S3*	*MW143S2/S3*	*MW144S2/S3*	*MW145S2/S3*
	Sample ID:	*WG-11082014-JR-MW142S2/S3*	*WG-11052014-JR-MW143S2/S3*	*WG-11042014-JR-MW144S2/S3*	*WG-11042014-JR-MW145S2/S3*
	Sample Date:	*11/8/2014*	*11/5/2014*	*11/4/2014*	*11/4/2014*
Parameters	***Units***				
Semi-volatile Organic Compounds (Continued)					
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.016	0.011 U	0.016
beta-BHC	µg/L	0.037 U	0.098	0.037 U	0.781
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-	-
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U	1.0 UJ
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 UJ
Pesticides					
alpha-BHC	µg/L	-	-	-	-
beta-BHC	µg/L	-	-	-	-
delta-BHC	µg/L	-	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW142S2/S3*	*MW143S2/S3*	*MW144S2/S3*	*MW145S2/S3*
	Sample ID:	*WG-11082014-JR-MW142S2/S3*	*WG-11052014-JR-MW143S2/S3*	*WG-11042014-JR-MW144S2/S3*	*WG-11042014-JR-MW145S2/S3*
	Sample Date:	*11/8/2014*	*11/5/2014*	*11/4/2014*	*11/4/2014*
Parameters	***Units***				
General Chemistry					
Chloride	mg/L	19.8	316	32.8	331
Hardness, calculation	mgCaCO3/L	183	600.	240.	455

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW146S1***	***MW147S1***	***MW147S2/S3***
	Sample ID:	***WG-11092014-AK-MW146S1***	***WG-11092014-JR-MW147S1***	***WG-11092014-AK-MW147S2/S3***
	Sample Date:	***11/9/2014***	***11/9/2014***	***11/9/2014***
Parameters	***Units***			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	µg/L	0.5 U	0.5 U	41.5
Chloroform (Trichloromethane)	µg/L	0.5 U	0.5 U	11.5
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.5 U	0.5 U	2.0
Trichloroethene	µg/L	0.5 U	0.5 U	0.5 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds				
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW146S1***	***MW147S1***	***MW147S2/S3***
	Sample ID:	***WG-11092014-AK-MW146S1***	***WG-11092014-JR-MW147S1***	***WG-11092014-AK-MW147S2/S3***
	Sample Date:	***11/9/2014***	***11/9/2014***	***11/9/2014***
Parameters	***Units***			
Semi-volatile Organic Compounds (Continued)				
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.011 U	0.011 U
beta-BHC	µg/L	0.037 U	0.037 U	0.037 U
delta-BHC	µg/L	0.05 U	0.05 U	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.10 U	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-
Herbicides				
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U
Pesticides				
alpha-BHC	µg/L	-	-	-
beta-BHC	µg/L	-	-	-
delta-BHC	µg/L	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-
Hexachlorobenzene	µg/L	-	-	-
Hexachlorobutadiene	µg/L	-	-	-
Hexachloroethane	µg/L	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW146S1***	***MW147S1***	***MW147S2/S3***
	Sample ID:	***WG-11092014-AK-MW146S1***	***WG-11092014-JR-MW147S1***	***WG-11092014-AK-MW147S2/S3***
	Sample Date:	***11/9/2014***	***11/9/2014***	***11/9/2014***
Parameters	***Units***			
General Chemistry				
Chloride	mg/L	32.3	53	73
Hardness, calculation	mgCaCO3/L	323	375	248

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW148S1*	*MW148S2/S3*	*MW149S2/S3*
	Sample ID:	*WG-11092014-JR-MW148S1*	*WG-11092014-AK-MW148S2/S3*	*WG-11062014-JR-MW149S2S3*
	Sample Date:	*11/9/2014*	*11/9/2014*	*11/6/2014*
Parameters	***Units***			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	4.6
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U
Benzene	µg/L	0.5 U	0.5 U	2.5
Carbon tetrachloride	µg/L	0.6	1.2	0.5 U
Chloroform (Trichloromethane)	µg/L	3.9	4.5	0.5 U
Chloromethane (Methyl chloride)	µg/L	0.5 U	0.5 U	0.5 U
Methylene chloride	µg/L	0.5 U	0.5 U	0.5 U
Tetrachloroethene	µg/L	0.9	4.0	15.5
Trichloroethene	µg/L	0.5 U	1.0	12.5
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U
Semi-volatile Organic Compounds				
2,3,4,5-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,3,4,6-Tetrachlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	12.3
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	-	-	-
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2,6-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	*MW148S1*	*MW148S2/S3*	*MW149S2/S3*
	Sample ID:	*WG-11092014-JR-MW148S1*	*WG-11092014-AK-MW148S2/S3*	*WG-11062014-JR-MW149S2S3*
	Sample Date:	*11/9/2014*	*11/9/2014*	*11/6/2014*
Parameters	***Units***			
Semi-volatile Organic Compounds (Continued)				
3/4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U
alpha-BHC	µg/L	0.011 U	0.076	0.109
beta-BHC	µg/L	0.173	4.13	0.621
delta-BHC	µg/L	0.05 U	0.06	0.05 U
gamma-BHC (lindane)	µg/L	0.052 U	0.052 U	0.052 U
Hexachlorobenzene	µg/L	0.19	0.10 U	0.10 U
Hexachlorobutadiene	µg/L	0.02 U	0.02 U	0.02 U
Hexachloroethane	µg/L	0.02 U	0.02 U	0.02 U
Pentachlorophenol	µg/L	-	-	-
Herbicides				
2,4-Dichlorophenoxyacetic acid (2,4-D)	µg/L	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U
Pesticides				
alpha-BHC	µg/L	-	-	-
beta-BHC	µg/L	-	-	-
delta-BHC	µg/L	-	-	-
gamma-BHC (lindane)	µg/L	-	-	-
Hexachlorobenzene	µg/L	-	-	-
Hexachlorobutadiene	µg/L	-	-	-
Hexachloroethane	µg/L	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

	Sample Location:	***MW148S1***	***MW148S2/S3***	***MW149S2/S3***
	Sample ID:	***WG-11092014-JR-MW148S1***	***WG-11092014-AK-MW148S2/S3***	***WG-11062014-JR-MW149S2S3***
	Sample Date:	***11/9/2014***	***11/9/2014***	***11/6/2014***
Parameters	***Units***			
General Chemistry				
Chloride	mg/L	910	1240	1230
Hardness, calculation	mgCaCO3/L	718 J	483	798

Notes:

J - Estimated Concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated
- Not analyzed

TABLE 3

SUMMARY OF ANALYTICAL METHODS
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

Parameter	***Method***
Volatile Organic Compounds	SW-846 8260B[1]
Chlorinated Phenols	SW-846 8270C[1]
Chlorinated Hydrocarbons	SW-846 8121[1]
Pentachlorophenol & 2,4-D	SW-846 8151A[1]
Hardness	EPA 300.0[2]
Chloride	SM 2340B[3]
Volatile Organic Compounds	EPA 524.2[4]
Chlorinated Hydrocarbons	EPA 508[4]
Pentachlorophenol & 2,4-D	EPA 515.1[4]

Notes:

(1) - "Test Methods for Solid Waste/Physical Chemical Methods," SW-846, 3rd Edition, September 1986.
(2) - "Methods for Chemical Analysis of Water and Wastes," USEPA 600/4-79-220, March 1983.
(3) - "Standard Methods for the Examination of Water and Wastewater," 18th Edition, 1992.
(4) - "Methods for the Determination of Organic Compounds in Drinking Water", August 1995 and subsequent revisions
EPA - Environmental Protection Agency

TABLE 4

QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

Parameter	*Sample ID*	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Analyte*	*Qualified Result*	*Units*
Herbicides	WG-11042014-JR-MW145S2/S3	2,4-Dichlorophenylacetic acid	21.7	61.3-125	Pentachlorophenol	0.5 UJ	µg/L
					2,4-Dichlorophenoxyacetic acid (2,4-D)	1.0 UJ	µg/L
SVOCs	WG-11112014-AK-FD6	1,4-Dichloronaphthalene	195	58.6-99.8	alpha-BHC	0.731 J	µg/L
					beta-BHC	0.601 J	µg/L
					delta-BHC	0.99 J	µg/L
					gamma-BHC (lindane)	0.956 J	µg/L
					Hexachloroethane	8.43 J	µg/L
					Hexachlorobutadiene	5.27 J	µg/L
SVOCs	WG-11112014-AK-MW12S1A	1,4-Dichloronaphthalene	185	58.6-99.8	alpha-BHC	0.708 J	µg/L
					beta-BHC	0.592 J	µg/L
					delta-BHC	1.0 J	µg/L
					gamma-BHC (lindane)	0.942 J	µg/L
					Hexachloroethane	9.55 J	µg/L
					Hexachlorobutadiene	5.69 J	µg/L
SVOCs	WG-11112014-JR-MW12S3	1,4-Dichloronaphthalene	102	58.6-99.8	alpha-BHC	0.050 J	µg/L
					beta-BHC	12.5 J	µg/L
					Hexachloroethane	0.3 J	µg/L
					Hexachlorobutadiene	0.72 J	µg/L
SVOCs	WG-11252014-JR-IW44	1,4-Dichloronaphthalene	101	58.6-99.8	Hexachloroethane	0.03 J	µg/L

Notes:

SVOCs - Semi-Volatile Organic Compounds
J - Estimated Concentration
UJ - Not detected; associated reporting limit is estimated

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
SEMIANNUAL GROUNDWATER SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
NOVEMBER 2014

Parameter	*Sample ID*	*Analyte*	*MS % Recovery*	*MSD % Recovery*	*RPD (percent)*	*Control Limits % Recovery*	*Control Limits RPD*	*Qualified Result*	*Units*
Metals	WG-11092014-JR-MW148S1	Hardness	63.4	67.9	1.7	80-120	20	718 J	mgCaCO3/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J - Estimated Concentration