



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

July 24, 2018

4SESD-MTSB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 18-0515, Rockwell International Wheel & Trim
Superfund Remedial

FROM: Nancy Seabolt
Quality Assurance Section, Chemist

THRU: Sandra Aker, Chief
Quality Assurance Section

TO: Shelby Johnston

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Quality Assurance Section. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

Semi Volatile Organics (SVOA)

Semivolatile organic compounds

CLP BNA (Soil)

Volatile Organics (VOA)

Volatile organic compounds

CLP VOA (Soil)

Volatile organic compounds

CLP VOA (Water)



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Report Narrative for Work Order: C182703 Analysis: SVOA

Site Name: Rockwell International Wheel & Trim, Grenada, MS
CLP Case No. 47715, ELEMENT Sample Nos. C182703-01 through C182703-05
C182704-01 and C182704-02 (PES only)

Organic Analysis: Shealy Environmental Services, Inc., West Columbia, SC

The ESAT Work Team reviewed data for one water and 4 soil samples analyzed for Low/Medium Volatile Organic Compounds, Semi-Volatile Extractable Organic Compounds per CLP Statement of Work SOM02.4. The samples were collected between 6/21/18 and 6/22/18 and were received by the laboratory on 6/22/18. The final data package was received on 06/29/18 by the EPA. The analytical results were reported in two sample delivery groups (SDGs) by the laboratory. In addition to the field samples, the laboratory also analyzed two performance evaluation samples (PES) for evaluating the laboratory's performance with using the methods.

Sample C182703-01 was shown as a soil volatile trip blank on the chain of custody (COC) but was analyzed and reported by the laboratory as a water sample.

The laboratory satisfied all technical analysis and extraction holding time requirements. A Stage 4 validation consisting of an electronic/manual review (S4VEM) was performed on the organic samples submitted for this case. The data package presents acceptable technical performance with qualifications.

All results associated with erratic initial and/or continuing calibration performance were "J" flagged with the appropriate Element qualifier (CLP16 and/or QC-1). The percent difference (%)D between the ICAL and one volatile second source verification standard exceeded 20% for Dichlorodifluoromethane, Acetone, 2-Butanone (Methyl Ethyl Ketone), 2-Hexanone (Methyl Butyl Ketone). The percent difference (%)D between the ICAL and one semivolatile second source verification standard exceeded 20% for 3,3'-Dichlorobenzidine. The associated Dichlorodifluoromethane, Acetone, 2-Butanone, 2-Hexanone, and 3,3'-Dichlorobenzidine results were qualified "J" (QC-3). Deuterated monitoring compounds (DMC) are used as surrogates in each sample for GC/MS analysis to monitor extraction efficiency.

Data quality factors requiring qualification of results are discussed below:



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Volatiles

1. The laboratory scored within warning limits for all spiked analytes in the soil Volatile PES except for 2-Hexanone, which was scored warning high. 2-Hexanone were not detected in any sample. The spiked tentatively identified compound (TIC) Bromobenzene was not detected; however, data qualification are not made for TIC identifications.

Semivolatile Extractables

2. The laboratory scored within warning limits for all spiked analytes in the soil Semivolatile Extractable PES except for bis(2-Chloroethyl)ether, which was scored warning low. All bis(2-Chloroethyl)ether results were not detected and were qualified "UJ" (CLP25).
3. Percent recovery of the DMC 1,4-Dioxane-d8 was less than the lower quality control limit in samples C182703-02, 03, 04, and 05. The 1,4-Dioxane results for these samples were all non-detects and were qualified "UJ" (QS-3).

Data qualification factors are explained by the Region 4 - specific qualifier definitions which are included elsewhere in this report. Further details are provided in the complete data review report, which is on file in the Region 4 SESD Records Center.

cc: Nardina Turner



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SAMPLES INCLUDED IN THIS REPORT

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected
TBSS01	C182703-01		AZE9	Trip Blank - Water	6/22/18 08:00
RISS01_1.0	C182703-02		AZE4	Surface Soil	6/21/18 08:00
RISS02_1.0	C182703-03		AZE5	Surface Soil	6/21/18 09:00
RISS03_1.0	C182703-04		AZE7	Surface Soil	6/21/18 10:00
RISS903_1.0	C182703-05		AZE8	Surface Soil	6/21/18 10:00



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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CLP01	Concentration reported is less than the lowest standard on calibration curve
CLP15	TIC Results Reported as Identified by Lab - IDs Not Verified
CLP16	Initial Calibration Response Erratic
CLP25	PE sample recovery scored as warning-low.
J	The identification of the analyte is acceptable; the reported value is an estimate.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
QC-1	Analyte concentration low in continuing calibration verification standard
QC-3	Analyte calibration criteria not met
QS-3	Surrogate recovery is lower than established control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: TBSS01

Lab ID: C182703-01

MD No:

Station ID:

Matrix: Trip Blank - Water

D No: AZE9 EQ1

Date Collected: 6/22/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
67-64-1	Acetone	10	U, J, QC-1, CLP16	ug/L	10	6/25/18	6/25/18	CLP SOM02.4 V
71-43-2	Benzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
67-66-3	Chloroform	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V



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Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: TBSS01

Lab ID: C182703-01

MD No:

Station ID:

Matrix: Trip Blank - Water

D No: AZE9 EQI

Date Collected: 6/22/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-87-3	Chloromethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	6/25/18	6/25/18	CLP SOM02.4 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	6/25/18	6/25/18	CLP SOM02.4 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	6/25/18	6/25/18	CLP SOM02.4 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
100-42-5	Styrene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	1.0	J, CLP01	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
108-88-3	Toluene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	6/25/18	6/25/18	CLP SOM02.4 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	6/25/18	6/25/18	CLP SOM02.4 V



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Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS01 1.0

Lab ID: C182703-02

MD No:

Station ID: RISS01

Matrix: Surface Soil

D No: AZE4 EQ1

Date Collected: 6/21/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	19		%		6/27/18	6/27/18	CLP VOA
R4-7156	(m- and/or p-)Xylene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
71-55-6	1,1,1-Trichloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
79-00-5	1,1,2-Trichloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-34-3	1,1-Dichloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
87-61-6	1,2,3-Trichlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
120-82-1	1,2,4-Trichlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
106-93-4	1,2-Dibromoethane (EDB)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
95-50-1	1,2-Dichlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
107-06-2	1,2-Dichloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
78-87-5	1,2-Dichloropropane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
541-73-1	1,3-Dichlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
106-46-7	1,4-Dichlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
67-64-1	Acetone	13	U, J, QC-1, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
71-43-2	Benzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
74-97-5	Bromochloromethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-27-4	Bromodichloromethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-25-2	Bromoform	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
74-83-9	Bromomethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-15-0	Carbon disulfide	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
56-23-5	Carbon Tetrachloride	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
108-90-7	Chlorobenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-00-3	Chloroethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V



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Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS01 1.0

Lab ID: C182703-02

MD No:

Station ID: RISS01

Matrix: Surface Soil

D No: AZE4 EQ1

Date Collected: 6/21/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
74-87-3	Chloromethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
156-59-2	cis-1,2-Dichloroethene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
10061-01-5	cis-1,3-Dichloropropene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
110-82-7	Cyclohexane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
124-48-1	Dibromochloromethane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-71-8	Dichlorodifluoromethane (Freon 12)	6.6	U, J, QC-3	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
100-41-4	Ethyl Benzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
98-82-8	Isopropylbenzene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
79-20-9	Methyl Acetate	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
591-78-6	Methyl Butyl Ketone	13	U, J, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
78-93-3	Methyl Ethyl Ketone	13	U, J, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
108-10-1	Methyl Isobutyl Ketone	13	U	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
108-87-2	Methylcyclohexane	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-09-2	Methylene Chloride	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
95-47-6	o-Xylene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
100-42-5	Styrene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
108-88-3	Toluene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
156-60-5	trans-1,2-Dichloroethene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
10061-02-6	trans-1,3-Dichloropropene	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
79-01-6	Trichloroethene (Trichloroethylene)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-69-4	Trichlorofluoromethane (Freon 11)	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
75-01-4	Vinyl chloride	6.6	U	ug/kg dry	6.6	6/27/18	6/27/18	CLP SOM02.4 V
Tentatively Identified Compounds:								
R4-6501	Unidentified Compound(s)	10	J, CLP15	ug/kg dry		6/27/18	6/27/18	CLP SOM02.4 V



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS01 1.0

Lab ID: C182703-02

MD No:

Station ID: RISS01

Matrix: Surface Soil

D No: AZE4 EQ1

Date Collected: 6/21/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	19		%		6/23/18	6/25/18	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
92-52-4	1,1-Biphenyl	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
123-91-1	1,4-Dioxane	82	U, J, QS-3	ug/kg dry	82	6/23/18	6/25/18	CLP SOM02.4 B
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-95-4	2,4,5-Trichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
88-06-2	2,4,6-Trichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
120-83-2	2,4-Dichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
105-67-9	2,4-Dimethylphenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
51-28-5	2,4-Dinitrophenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
121-14-2	2,4-Dinitrotoluene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
606-20-2	2,6-Dinitrotoluene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-58-7	2-Chloronaphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-57-8	2-Chlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
534-52-1	2-Methyl-4,6-dinitrophenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
91-57-6	2-Methylnaphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-48-7	2-Methylphenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
88-74-4	2-Nitroaniline	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
88-75-5	2-Nitrophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-94-1	3,3'-Dichlorobenzidine	410	U, J, QC-3	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
99-09-2	3-Nitroaniline	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
101-55-3	4-Bromophenyl phenyl ether	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
59-50-7	4-Chloro-3-methylphenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
106-47-8	4-Chloroaniline	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
7005-72-3	4-Chlorophenyl phenyl ether	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
100-01-6	4-Nitroaniline	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
100-02-7	4-Nitrophenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS01 1.0

Lab ID: C182703-02

MD No:

Station ID: RISS01

Matrix: Surface Soil

D No: AZE4 EQ1

Date Collected: 6/21/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
208-96-8	Acenaphthylene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
98-86-2	Acetophenone	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
120-12-7	Anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
1912-24-9	Atrazine	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
100-52-7	Benzaldehyde	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
56-55-3	Benzo(a)anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
50-32-8	Benzo(a)pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
205-99-2	Benzo(b)fluoranthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
191-24-2	Benzo(g,h,i)perylene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
207-08-9	Benzo(k)fluoranthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
85-68-7	Benzyl butyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
108-60-1	Bis(2-chloro-1-methylethyl) ether	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
111-91-1	Bis(2-chloroethoxy)methane	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
111-44-4	bis(2-Chloroethyl) Ether	410	U, J, CLP25	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
117-81-7	Bis(2-ethylhexyl) phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
105-60-2	Caprolactam	410	U, J, CLP16	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
86-74-8	Carbazole	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
218-01-9	Chrysene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
53-70-3	Dibenzo(a,h)anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
132-64-9	Dibenzofuran	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
84-66-2	Diethyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
131-11-3	Dimethyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
84-74-2	Di-n-butylphthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
117-84-0	Di-n-octylphthalate	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
206-44-0	Fluoranthene	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
86-73-7	Fluorene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
118-74-1	Hexachlorobenzene (HCB)	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
87-68-3	Hexachlorobutadiene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS01 1.0

Lab ID: C182703-02

MD No:

Station ID: RISS01

Matrix: Surface Soil

D No: AZE4 EQI

Date Collected: 6/21/18 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
67-72-1	Hexachloroethane	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
193-39-5	Indeno (1,2,3-cd) pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
78-59-1	Isophorone	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-20-3	Naphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
98-95-3	Nitrobenzene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
621-64-7	n-Nitroso di-n-Propylamine	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
87-86-5	Pentachlorophenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
85-01-8	Phenanthrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
108-95-2	Phenol	410	U	ug/kg dry	410	6/23/18	6/25/18	CLP SOM02.4 B
129-00-0	Pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
Tentatively Identified Compounds:								
506-17-2	cis-Vaccenic acid	600	NJ, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS02 1.0

Lab ID: C182703-03

MD No:

Station ID: RISS02

Matrix: Surface Soil

D No: AZE5 EQ1

Date Collected: 6/21/18 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	18		%		6/27/18	6/27/18	CLP VOA
R4-7156	(m- and/or p-)Xylene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
71-55-6	1,1,1-Trichloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
79-00-5	1,1,2-Trichloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-34-3	1,1-Dichloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
87-61-6	1,2,3-Trichlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
120-82-1	1,2,4-Trichlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
106-93-4	1,2-Dibromoethane (EDB)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
95-50-1	1,2-Dichlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
107-06-2	1,2-Dichloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
78-87-5	1,2-Dichloropropane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
541-73-1	1,3-Dichlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
106-46-7	1,4-Dichlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
67-64-1	Acetone	13	U, J, QC-1, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
71-43-2	Benzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
74-97-5	Bromochloromethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-27-4	Bromodichloromethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-25-2	Bromoform	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
74-83-9	Bromomethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-15-0	Carbon disulfide	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
56-23-5	Carbon Tetrachloride	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
108-90-7	Chlorobenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-00-3	Chloroethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS02 1.0

Lab ID: C182703-03

MD No:

Station ID: RISS02

Matrix: Surface Soil

D No: AZE5 EQ1

Date Collected: 6/21/18 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
74-87-3	Chloromethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
156-59-2	cis-1,2-Dichloroethene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
10061-01-5	cis-1,3-Dichloropropene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
110-82-7	Cyclohexane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
124-48-1	Dibromochloromethane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-71-8	Dichlorodifluoromethane (Freon 12)	6.4	U, J, QC-3	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
100-41-4	Ethyl Benzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
98-82-8	Isopropylbenzene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
79-20-9	Methyl Acetate	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
591-78-6	Methyl Butyl Ketone	13	U, J, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
78-93-3	Methyl Ethyl Ketone	13	U, J, QC-3	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
108-10-1	Methyl Isobutyl Ketone	13	U	ug/kg dry	13	6/27/18	6/27/18	CLP SOM02.4 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
108-87-2	Methylcyclohexane	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-09-2	Methylene Chloride	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
95-47-6	o-Xylene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
100-42-5	Styrene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
108-88-3	Toluene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
156-60-5	trans-1,2-Dichloroethene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
10061-02-6	trans-1,3-Dichloropropene	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
79-01-6	Trichloroethene (Trichloroethylene)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-69-4	Trichlorofluoromethane (Freon 11)	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
75-01-4	Vinyl chloride	6.4	U	ug/kg dry	6.4	6/27/18	6/27/18	CLP SOM02.4 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	6	U	ug/kg dry	6	6/27/18	6/27/18	CLP SOM02.4 V



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS02 1.0

Lab ID: C182703-03

MD No:

Station ID: RISS02

Matrix: Surface Soil

D No: AZE5 EQ1

Date Collected: 6/21/18 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	18		%		6/23/18	6/25/18	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
92-52-4	1,1-Biphenyl	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
123-91-1	1,4-Dioxane	81	U, J, QS-3	ug/kg dry	81	6/23/18	6/25/18	CLP SOM02.4 B
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-95-4	2,4,5-Trichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
88-06-2	2,4,6-Trichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
120-83-2	2,4-Dichlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
105-67-9	2,4-Dimethylphenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
51-28-5	2,4-Dinitrophenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
121-14-2	2,4-Dinitrotoluene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
606-20-2	2,6-Dinitrotoluene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-58-7	2-Chloronaphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-57-8	2-Chlorophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
534-52-1	2-Methyl-4,6-dinitrophenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
91-57-6	2-Methylnaphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
95-48-7	2-Methylphenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
88-74-4	2-Nitroaniline	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
88-75-5	2-Nitrophenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-94-1	3,3'-Dichlorobenzidine	400	U, J, QC-3	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
99-09-2	3-Nitroaniline	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
101-55-3	4-Bromophenyl phenyl ether	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
59-50-7	4-Chloro-3-methylphenol	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
106-47-8	4-Chloroaniline	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
7005-72-3	4-Chlorophenyl phenyl ether	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
100-01-6	4-Nitroaniline	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
100-02-7	4-Nitrophenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS02 1.0

Lab ID: C182703-03

MD No:

Station ID: RISS02

Matrix: Surface Soil

D No: AZE5 EQ1

Date Collected: 6/21/18 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
208-96-8	Acenaphthylene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
98-86-2	Acetophenone	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
120-12-7	Anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
1912-24-9	Atrazine	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
100-52-7	Benzaldehyde	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
56-55-3	Benzo(a)anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
50-32-8	Benzo(a)pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
205-99-2	Benzo(b)fluoranthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
191-24-2	Benzo(g,h,i)perylene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
207-08-9	Benzo(k)fluoranthene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
85-68-7	Benzyl butyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
108-60-1	Bis(2-chloro-1-methylethyl) ether	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
111-91-1	Bis(2-chloroethoxy)methane	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
111-44-4	bis(2-Chloroethyl) Ether	400	U, J, CLP25	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
117-81-7	Bis(2-ethylhexyl) phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
105-60-2	Caprolactam	400	U, J, CLP16	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
86-74-8	Carbazole	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
218-01-9	Chrysene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
53-70-3	Dibenzo(a,h)anthracene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
132-64-9	Dibenzofuran	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
84-66-2	Diethyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
131-11-3	Dimethyl phthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
84-74-2	Di-n-butylphthalate	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
117-84-0	Di-n-octylphthalate	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
206-44-0	Fluoranthene	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
86-73-7	Fluorene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
118-74-1	Hexachlorobenzene (HCB)	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
87-68-3	Hexachlorobutadiene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS02 1.0

Lab ID: C182703-03

MD No:

Station ID: RISS02

Matrix: Surface Soil

D No: AZE5 EQ1

Date Collected: 6/21/18 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
67-72-1	Hexachloroethane	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
193-39-5	Indeno (1,2,3-cd) pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
78-59-1	Isophorone	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
91-20-3	Naphthalene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
98-95-3	Nitrobenzene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
621-64-7	n-Nitroso di-n-Propylamine	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
87-86-5	Pentachlorophenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
85-01-8	Phenanthrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
108-95-2	Phenol	400	U	ug/kg dry	400	6/23/18	6/25/18	CLP SOM02.4 B
129-00-0	Pyrene	210	U	ug/kg dry	210	6/23/18	6/25/18	CLP SOM02.4 B
Tentatively Identified Compounds:								
1000336-66-8	6-Octadecenoic acid	300	NJ, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B
R4-6501	Unidentified Compound(s)	200	J, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS03 1.0

Lab ID: C182703-04

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE7 EQ1

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		6/27/18	6/27/18	CLP VOA
R4-7156	(m- and/or p-)Xylene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
71-55-6	1,1,1-Trichloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
79-34-5	1,1,2,2-Tetrachloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
79-00-5	1,1,2-Trichloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-34-3	1,1-Dichloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
87-61-6	1,2,3-Trichlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
120-82-1	1,2,4-Trichlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
106-93-4	1,2-Dibromoethane (EDB)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
95-50-1	1,2-Dichlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
107-06-2	1,2-Dichloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
78-87-5	1,2-Dichloropropane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
541-73-1	1,3-Dichlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
106-46-7	1,4-Dichlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
67-64-1	Acetone	17	U, J, QC-1, QC-3	ug/kg dry	17	6/27/18	6/27/18	CLP SOM02.4 V
71-43-2	Benzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
74-97-5	Bromochloromethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-27-4	Bromodichloromethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-25-2	Bromoform	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
74-83-9	Bromomethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-15-0	Carbon disulfide	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
56-23-5	Carbon Tetrachloride	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
108-90-7	Chlorobenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-00-3	Chloroethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS03 1.0

Lab ID: C182703-04

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE7 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
74-87-3	Chloromethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
156-59-2	cis-1,2-Dichloroethene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
10061-01-5	cis-1,3-Dichloropropene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
110-82-7	Cyclohexane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
124-48-1	Dibromochloromethane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-71-8	Dichlorodifluoromethane (Freon 12)	8.5	U, J, QC-3	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
100-41-4	Ethyl Benzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
98-82-8	Isopropylbenzene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
79-20-9	Methyl Acetate	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
591-78-6	Methyl Butyl Ketone	17	U, J, QC-3	ug/kg dry	17	6/27/18	6/27/18	CLP SOM02.4 V
78-93-3	Methyl Ethyl Ketone	17	U, J, QC-3	ug/kg dry	17	6/27/18	6/27/18	CLP SOM02.4 V
108-10-1	Methyl Isobutyl Ketone	17	U	ug/kg dry	17	6/27/18	6/27/18	CLP SOM02.4 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
108-87-2	Methylcyclohexane	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-09-2	Methylene Chloride	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
95-47-6	o-Xylene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
100-42-5	Styrene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
108-88-3	Toluene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
156-60-5	trans-1,2-Dichloroethene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
10061-02-6	trans-1,3-Dichloropropene	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
79-01-6	Trichloroethene (Trichloroethylene)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-69-4	Trichlorofluoromethane (Freon 11)	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
75-01-4	Vinyl chloride	8.5	U	ug/kg dry	8.5	6/27/18	6/27/18	CLP SOM02.4 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	8	U	ug/kg dry	8	6/27/18	6/27/18	CLP SOM02.4 V



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D.A.R.T. Id: 18-0480

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Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS03 1.0

Lab ID: C182703-04

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE7 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		6/23/18	6/25/18	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
123-91-1	1,4-Dioxane	80	U, J, QS-3	ug/kg dry	80	6/23/18	6/25/18	CLP SOM02.4 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
51-28-5	2,4-Dinitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
534-52-1	2-Methyl-4,6-dinitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
88-74-4	2-Nitroaniline	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-94-1	3,3'-Dichlorobenzidine	390	U, J, QC-3	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
99-09-2	3-Nitroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
106-47-8	4-Chloroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
100-01-6	4-Nitroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
100-02-7	4-Nitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS03 1.0

Lab ID: C182703-04

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE7 EQ1

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
208-96-8	Acenaphthylene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
98-86-2	Acetophenone	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
120-12-7	Anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
1912-24-9	Atrazine	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
100-52-7	Benzaldehyde	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
56-55-3	Benzo(a)anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
50-32-8	Benzo(a)pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
205-99-2	Benzo(b)fluoranthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
207-08-9	Benzo(k)fluoranthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
108-60-1	Bis(2-chloro-1-methylethyl) ether	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
111-44-4	bis(2-Chloroethyl) Ether	390	U, J, CLP25	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
105-60-2	Caprolactam	390	U, J, CLP16	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
86-74-8	Carbazole	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
218-01-9	Chrysene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
117-84-0	Di-n-octylphthalate	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
206-44-0	Fluoranthene	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
86-73-7	Fluorene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS03 1.0

Lab ID: C182703-04

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE7 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
193-39-5	Indeno (1,2,3-cd) pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
78-59-1	Isophorone	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
87-86-5	Pentachlorophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
85-01-8	Phenanthrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
108-95-2	Phenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
129-00-0	Pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
Tentatively Identified Compounds:								
506-17-2	cis-Vaccenic acid	300	NJ, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B
R4-6501	Unidentified Compound(s)	200	J, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B



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Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS903 1.0

Lab ID: C182703-05

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE8 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		6/27/18	6/27/18	CLP VOA
R4-7156	(m- and/or p-)Xylene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
71-55-6	1,1,1-Trichloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
79-34-5	1,1,2,2-Tetrachloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
79-00-5	1,1,2-Trichloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-34-3	1,1-Dichloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
87-61-6	1,2,3-Trichlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
120-82-1	1,2,4-Trichlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
106-93-4	1,2-Dibromoethane (EDB)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
95-50-1	1,2-Dichlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
107-06-2	1,2-Dichloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
78-87-5	1,2-Dichloropropane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
541-73-1	1,3-Dichlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
106-46-7	1,4-Dichlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
67-64-1	Acetone	16	U, J, QC-1, QC-3	ug/kg dry	16	6/27/18	6/27/18	CLP SOM02.4 V
71-43-2	Benzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
74-97-5	Bromochloromethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-27-4	Bromodichloromethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-25-2	Bromoform	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
74-83-9	Bromomethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-15-0	Carbon disulfide	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
56-23-5	Carbon Tetrachloride	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
108-90-7	Chlorobenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-00-3	Chloroethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V



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D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS903 1.0

Lab ID: C182703-05

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE8 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
74-87-3	Chloromethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
156-59-2	cis-1,2-Dichloroethene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
10061-01-5	cis-1,3-Dichloropropene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
110-82-7	Cyclohexane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
124-48-1	Dibromochloromethane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-71-8	Dichlorodifluoromethane (Freon 12)	7.9	U, J, QC-3	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
100-41-4	Ethyl Benzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
98-82-8	Isopropylbenzene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
79-20-9	Methyl Acetate	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
591-78-6	Methyl Butyl Ketone	16	U, J, QC-3	ug/kg dry	16	6/27/18	6/27/18	CLP SOM02.4 V
78-93-3	Methyl Ethyl Ketone	16	U, J, QC-3	ug/kg dry	16	6/27/18	6/27/18	CLP SOM02.4 V
108-10-1	Methyl Isobutyl Ketone	16	U	ug/kg dry	16	6/27/18	6/27/18	CLP SOM02.4 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
108-87-2	Methylcyclohexane	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-09-2	Methylene Chloride	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
95-47-6	o-Xylene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
100-42-5	Styrene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
108-88-3	Toluene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
156-60-5	trans-1,2-Dichloroethene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
10061-02-6	trans-1,3-Dichloropropene	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
79-01-6	Trichloroethene (Trichloroethylene)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-69-4	Trichlorofluoromethane (Freon 11)	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
75-01-4	Vinyl chloride	7.9	U	ug/kg dry	7.9	6/27/18	6/27/18	CLP SOM02.4 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	8	U	ug/kg dry	8	6/27/18	6/27/18	CLP SOM02.4 V



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D.A.R.T. Id: 18-0480

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Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS903 1.0

Lab ID: C182703-05

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE8 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		6/23/18	6/25/18	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
123-91-1	1,4-Dioxane	79	U, J, QS-3	ug/kg dry	79	6/23/18	6/25/18	CLP SOM02.4 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
88-06-2	2,4,6-Trichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
51-28-5	2,4-Dinitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
534-52-1	2-Methyl-4,6-dinitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
88-74-4	2-Nitroaniline	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-94-1	3,3'-Dichlorobenzidine	390	U, J, QC-3	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
99-09-2	3-Nitroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
106-47-8	4-Chloroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
100-01-6	4-Nitroaniline	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
100-02-7	4-Nitrophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B



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D.A.R.T. Id: 18-0480

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Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS903 1.0

Lab ID: C182703-05

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE8 EQ1

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
208-96-8	Acenaphthylene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
98-86-2	Acetophenone	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
120-12-7	Anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
1912-24-9	Atrazine	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
100-52-7	Benzaldehyde	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
56-55-3	Benzo(a)anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
50-32-8	Benzo(a)pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
205-99-2	Benzo(b)fluoranthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
191-24-2	Benzo(g,h,i)perylene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
207-08-9	Benzo(k)fluoranthene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
108-60-1	Bis(2-chloro-1-methylethyl) ether	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
111-44-4	bis(2-Chloroethyl) Ether	390	U, J, CLP25	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
105-60-2	Caprolactam	390	U, J, CLP16	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
86-74-8	Carbazole	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
218-01-9	Chrysene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
53-70-3	Dibenzo(a,h)anthracene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
117-84-0	Di-n-octylphthalate	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
206-44-0	Fluoranthene	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
86-73-7	Fluorene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 18-0480

Project: 18-0515, Rockwell International Wheel & Trim - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 18-0515, Rockwell International Wheel & Trim

Contract Lab Case: 47715

Sample ID: RISS903 1.0

Lab ID: C182703-05

MD No:

Station ID: RISS03

Matrix: Surface Soil

D No: AZE8 EQI

Date Collected: 6/21/18 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
193-39-5	Indeno (1,2,3-cd) pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
78-59-1	Isophorone	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
87-86-5	Pentachlorophenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
85-01-8	Phenanthrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
108-95-2	Phenol	390	U	ug/kg dry	390	6/23/18	6/25/18	CLP SOM02.4 B
129-00-0	Pyrene	200	U	ug/kg dry	200	6/23/18	6/25/18	CLP SOM02.4 B
Tentatively Identified Compounds:								
R4-6501	Unidentified Compound(s)	200	J, CLP15	ug/kg dry		6/23/18	6/25/18	CLP SOM02.4 B