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May 14, 2014

Ms. Sondra Martinkat
Division of Environmental Remediation
New York State Department of Environmental Conservation
One Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101

SUBJECT: Monthly Progress Report – April 2014
Standard Motor Products, Inc.
Long Island City, New York
NYSDEC Class 2 Site No. 241016

Dear Ms. Martinkat:

Pursuant to the requirements of Order on Consent and Administrative Settlement (Index #R2-0637-04-10) for Standard Motor Products, Inc. (NYSDEC Site Number 241016), please find attached a copy of the Progress Report prepared for the period of April 2014.

In accordance with the requirements of the Order on Consent, copies of this correspondence have also been submitted to the New York State Department of Health - Bureau of Environmental Exposure Investigation, and the NYSDEC Regional Attorney in Long Island City, New York.

If you have any other questions, please feel free to contact me at (732) 590-4583.

Sincerely,

Warren J. Newman, Jr., P.E.
Environmental Engineer
CDM Smith Inc.

cc: (via e-mail) Robert H. Martin – SMP
Steven L. Humphreys, Esq. – KD&W
Jane O'Connell - NYSDEC
Justin Deming – NYSDOH
Louis P. Oliva, Esq. – NYSDEC
Maria D. Watt – CDM Smith





Monthly Progress Report – April 2014

**Standard Motor Products, Inc.
37-18 Northern Boulevard
Long Island City, Queens County, New York**

NYSDEC Site Number: 241016

Actions Taken This Reporting Period:

- Regular monthly operation and maintenance service was conducted on the sub slab depressurization system (SSDS) and the air sparge/soil vapor extraction (AS/SVE) system by INTEX Environmental Group, Inc. (INTEX). The monthly checklist form for operation during April is attached.
- Preparation of the Final Engineering Report (FER) and Site Management Plan (SMP) continued. Components of the SMP currently being worked on include the monitoring well boring and construction logs, AS/SVE system as-built drawings, and the AS/SVE system O&M manual. Completion of the FER and SMP is anticipated at the end of May 2014.

Actions Anticipated Next Reporting Period(s):

- The Draft Environmental Easements (EEs) that were submitted to MTA (owner of the property on which the AS/SVE system is installed) and Acumen (owner of the property on which the SMP building is located) were approved and have been subsequently submitted to NYSDEC legal counsel for review and approval.

Approved Modifications to Work Plans or Schedules:

- None this period.

Sampling/Test Results and Data:

- Annual SSDS/SVE process air samples were collected from the system on March 3, 2014. The analytical results (Chemtech Report F1554) for the six samples are attached. Ground water samples were collected from seven monitoring wells at the site on March 26, 2014. The analytical results (Chemtech Report F1793) are attached.

Percentage Completion/Unresolved Project Delays:

- Site Characterization – 100% Complete.
- Remedial Investigation/Feasibility Study – 100% Complete.
- Interim Remedial Measure (IRM) Workplan and IRM Installation – 100% Complete.
- IRM Operation – Ongoing; no delays encountered or anticipated.
- Remedial Design/Remedial Action Workplan – 100% Complete.
- Site Management Plan (SMP) – Draft SMP 95% Complete.
- Air Sparge/Soil Vapor Extraction System Installation – 100% Complete.
- Air Sparge/Soil Vapor Extraction System Startup and Optimization – 100% Complete.
- Final Engineering Report (FER) – 35% Complete.

Activities in Support of Citizen Participation Plan:

- None this period.

INTEX ENVIRONMENTAL GROUP, INC.
Sub-Slab Depressurization - Air Sparge/Vapor Extraction System OM checklist

Site: Standard Motors Products, 37-18 Northern Blvd., Long Island City, NY

Date: 4-29-14 Time: onsite 13:40 offsite 16:30 Technician(s): Todd Daniel
System Status (circle type)

Maintenance Type:	Scheduled	Alert	Shutdown	Response		
System Status:onsite	Manual	Auto	Shutdown	Off		
System Status:offsite	Manual	Auto	Shutdown	Off		
Blower 1 Status:	Manual	Auto	Shutdown	Off		
Blower 2 Status:	Manual	Auto	Shutdown	Off		
Transfer Pump Status:	Manual	Auto		Off		
General Alarm Status:	On/Off/ Auto	Pressure	Temp.	level		
Bypass Valve:	Closed	Open	Angle (record)			
VE High Water Status	On/ Off	Off				

System Readings (record values)

Pressure		Temperature		Flow		
Inlet Vacuum (in H2O)	9.1			System Vacuum Exhaust (cfm)	968	
Differ.Filter (in H2O)	1.48	Inlet (gas)	62.5	Vacuum System Total (cf)		
		Blower 1(oil)	NA	Flow (cfm)	Press. (psi)	
Blower 1 Inlet (in H2O)	NA	Motor 1 (windings)	NA	sparge #1	7.5	8.5
Blower 2 Inlet (in H2O)	25	Blower 2 (oil)	90	sparge #2	7	7
Outlet Manifold (in H2O)	2.87	Motor 2 (windings)	101	sparge #3	6.5	8
Outlet Stack (in H2O)	1.7	Exhaust (gas)	80.1	sparge #4	6.4	9
Sparge Compress (psi)	16.5	Sparge Manifold Temp.	121	sparge #5	7.4	10
		Trailer (ambient)	74 degrees F	sparge #6	6.8	9.5
Vacuum Laterals	Vel. (fpm)	Vac. in. H ₂ O		sparge #7	6.8	9
Lateral #1	13.8	6.2		sparge #8	6.8	8
Lateral #2	13.84	6.2		sparge #9	6.4	8.5
Lateral #3	13.98	6.25		sparge #10	6.8	9

Meters

		PID Readings(optional)		Electrical		
Blower 1 (hrs.)	21577.1	Inlet (ppm)	NA	Supply L1/L2/L3 (volts)	282/271/291	
Blower 2 ((hrs.)	15767.5	Outlet Manifold(ppm)	NA	System L1/L2/L3(amps)	15.8/16.1/16.5	
Condensate (gals.)	532	Outlet Stack (ppm)	NA	Blower 1 L1/L2/L3(amps)	-	
Sparge Compress(hrs)				Blower 2 L1/L2/L3(amps)	-	
VFD Setting	24.1			VFD Frequency	24.1	

Observations (record condition)

Vibration		Noise		Leaks		
Blower Skid 1 (ok/ type)	ok	Blower Skid 1 (ok/type)	ok	Blower Skid 1 (ok/fluid/gas)	ok	
Blower Skid 2 (ok/type)	ok	Blower Skid 2 (ok/type)	ok	Blower Skid 2 (ok/fluid/gas)	ok	
Compressor (ok/ type)	ok	Compressor (ok/ type)	ok	Compressor (ok/ type)	ok	
System (ok/type)	ok	System (ok/type)	ok	System (ok/fluid/gas)	ok	

Maintenance (record service)

Oil Change		V-Belts Tension		Motor Grease		
Blower 1 (hrs./type)	NA	Blower 1 (ok/deflec.)	NA	Motor 1(hrs./type)	NA	
Blower 2 (hrs./type) DTE HEAVY	15767.5	Blower 2 (ok/deflec.)	11.1/11.0	Motor 2(hrs./type)	NG LI #2 / 15767.5	

Filters

		Piping/Instrumentation				
Inlet (hrs./clean/replaced)	ok	Hangers (ok/repair)	ok			
Bypass(hrs/clean/replaced)	ok	Piping (ok/repair)	ok			
Liquid Carbon (gals/replaced)	ok	Wiring (ok/repair)	ok			
Vapor Carbon (cft/replaced)	ok	Sensors (ok/repair)	ok			
Monitoring Well MW-20 water depth =	5.18 btc					

Daily Notes:

Normal Service on Blower Skid #2

Red and bold entries represent data collected during this O&M Visit.

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : AIR STANDAND MOTOR PROD. 2-41-016.

CDM SMITH

Raritan Plaza 110 Fieldcrest Avenue 6TH Floor

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : F1554

ATTENTION : Warren Newman



DoD ELAP

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Cover Page

Order ID : F1554

Project ID : Air Standard Motor Prod. 2-41-016.

Client : CDM Smith

Lab Sample Number

F1554-01
F1554-02
F1554-03
F1554-04
F1554-05
F1554-06

Client Sample Number

SVE-INF1
SVE-INF2
SVE-INF3
SSDS-INF
GAC-INF
GAC-EFF

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 3/19/2014

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

CDM Smith

Project Name: Air Standand Motor Prod. 2-41-016.

Project # N/A

Chemtech Project # F1554

Test Name: TO-15

A. Number of Samples and Date of Receipt:

6 Air samples were received on 03/05/2014.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SUMMA Canister Rental and TO-15. This data package contains results for TO-15.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for SVE-INF1 [1-Bromo-4-Fluorobenzene - 159%], SVE-INF3 [1-Bromo-4-Fluorobenzene - 141%].

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The Blank Spike for {VL0306ABS} with File ID: VL022361.D met requirements for all samples except for 1,2,4-Trichlorobenzene[68%], 1,4-Dioxane[163%] and Naphthalene[67%].

The RPD for F1526-DUP{AMBDUP}with FILE ID:VL022319.D recoveries met Requirements for all samples except for Styrene

The Blank analysis indicated presence of Methylene Chloride[0.33 ppbv]

FileID:VL022360.D{VL0306ABL} due to possible lab contamination. The concentration is below CRQL.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples SVE-INF1, SVE-INF1DL, SVE-INF2, SVE-INF3, SSDS-INF, GAC-INF and GAC-EFF were diluted due to high concentrations.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report.

Manual Integration Report			
Sequence	VL030314	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL022268.D	Chlorobenzene-d5	sam	3/4/2014 1:53:36 PM	MMDadoda	3/4/2014 2:31:15 PM	Coelution Of the peak
VSTDICCC002	VL022269.D	m/p-Xylene	sam	3/3/2014 7:24:01 PM	MMDadoda	3/4/2014 2:31:31 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL022272.D	m/p-Xylene	sam	3/3/2014 7:24:11 PM	MMDadoda	3/4/2014 2:31:48 PM	Peak Integrated by Software incorrectly
VSTDICCC0.5	VL022273.D	1,4-Dioxane	sam	3/3/2014 7:24:16 PM	MMDadoda	3/4/2014 2:32:04 PM	Peak Integrated by Software incorrectly
VSTDICCC015	VL022274.D	Chlorobenzene-d5	sam	3/3/2014 7:24:33 PM	MMDadoda	3/4/2014 2:32:33 PM	Coelution Of the peak

Manual Integration Report			
Sequence	VL030614	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCC010	VL022359.D	Chlorobenzene-d5	shreena	3/7/2014 8:03:11 AM	sam	3/7/2014 11:17:18 AM	Coelution Of the peak
VL0306ABS	VL022361.D	1,4-Dioxane	shreena	3/7/2014	priyanka	3/7/2014 2:53:53 PM	Peak Integrated

				8:03:14 AM			by Software incorrectly
VL0306ABS	VL022361.D	Chlorobenzene-d5	shreena	3/7/2014 8:03:14 AM	priyanka	3/7/2014 2:53:53 PM	Coelution Of the peak
VL0306ABS	VL022361.D	Methylene Chloride	shreena	3/7/2014 8:03:14 AM	priyanka	3/7/2014 2:53:53 PM	Peak Integrated by Software incorrectly

F1533-09DUP	VL022364.D	Hexane	shreena	3/7/2014 8:03:18 AM	priyanka	3/7/2014 2:53:57 PM	Peak Integrated by Software incorrectly
F1533-09DUP	VL022364.D	Propene	shreena	3/7/2014 8:03:18 AM	priyanka	3/7/2014 2:53:57 PM	Peak Integrated by Software incorrectly

F1554-06	VL022370.D	Propene	shreena	3/7/2014 8:03:27 AM	sam	3/7/2014 11:19:50 AM	Peak Integrated by Software incorrectly
F1554-06DL	VL022371.D	Ethanol	shreena	3/7/2014 8:03:29 AM	sam	3/7/2014 11:19:55 AM	Peak Integrated by Software incorrectly
F1554-06DL	VL022371.D	Propene	shreena	3/7/2014 8:03:29 AM	sam	3/7/2014 11:19:55 AM	Peak Integrated by Software incorrectly
F1554-04	VL022372.D	Hexane	shreena	3/7/2014 8:03:31 AM	priyanka	3/7/2014 2:54:27 PM	Peak Integrated by Software incorrectly
F1554-04	VL022372.D	Isopropyl Alcohol	shreena	3/7/2014 8:03:31 AM	priyanka	3/7/2014 2:54:27 PM	Peak Integrated by Software incorrectly
F1554-04	VL022372.D	Propene	shreena	3/7/2014 8:03:31 AM	priyanka	3/7/2014 2:54:27 PM	Peak Integrated by Software incorrectly
F1554-04DL	VL022373.D	Propene	shreena	3/7/2014 8:03:32 AM	sam	3/7/2014 11:20:00 AM	Peak Integrated by Software incorrectly
F1554-05DL	VL022374.D	Ethanol	shreena	3/7/2014 8:03:34 AM	sam	3/7/2014 11:19:15 AM	Peak Integrated by Software incorrectly
F1554-05DL	VL022374.D	Propene	shreena	3/7/2014 8:03:34 AM	sam	3/7/2014 11:19:15 AM	Peak Integrated by Software incorrectly

F1554-01DL2	VL022376.D	Chloroethane	sam	3/7/2014 12:07:16 PM	priyanka	3/7/2014 2:54:28 PM	Peak Integrated by Software incorrectly
F1554-	VL022379.	Propene	sam	3/7/2014	priyanka	3/7/2014	Peak Integrated by

02	D			11:19:28 AM		2:54:32 PM	Software incorrectly
F1554-05	VL022381.D	Propene	sam	3/7/2014 11:19:32 AM	priyanka	3/7/2014 2:54:34 PM	Peak Integrated by Software incorrectly
F1554-01	VL022382.D	2-Butanone	sam	3/7/2014 12:07:21 PM	priyanka	3/7/2014 2:54:36 PM	Peak Integrated by Software incorrectly

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: F1554

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SHELLY GUHA

Date: 03/19/2014

2nd Level QA Review Signature: _____

Date: _____

LAB CHRONICLE

OrderID:	F1554	OrderDate:	3/5/2014 5:39:00 PM
Client:	CDM Smith	Project:	Air Standand Motor Prod. 2-41-016.
Contact:	Warren Newman	Location:	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
F1554-01	SVE-INF1	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-01DL	SVE-INF1DL	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-01DL 2	SVE-INF1DL2	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-02	SVE-INF2	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-02DL	SVE-INF2DL	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-03	SVE-INF3	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-03DL	SVE-INF3DL	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-04	SSDS-INF	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-04DL	SSDS-INFDL	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-05	GAC-INF	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-05DL	GAC-INFDL	Air			03/04/14			03/05/14
			TO-15	TO-15			03/07/14	
F1554-06	GAC-EFF	Air			03/04/14			03/05/14

LAB CHRONICLE

F1554-06DL	GAC-EFFDL	Air	TO-15	TO-15		03/07/14
			TO-15	TO-15	03/04/14	03/05/14

Hit Summary Sheet SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: GAC-EFF									
F1554-06	GAC-EFF	Air	Dichlorodifluoromethane	4.60		0.2	0.49	2.47	ug/m3
F1554-06	GAC-EFF	Air	Chloromethane	0.76	J	0.21	0.21	1.03	ug/m3
F1554-06	GAC-EFF	Air	Vinyl Chloride	2.25		0.08	0.08	1.28	ug/m3
F1554-06	GAC-EFF	Air	Chloroethane	7.12		0.26	0.26	1.32	ug/m3
F1554-06	GAC-EFF	Air	Trichlorofluoromethane	2.47	J	0.22	0.56	2.81	ug/m3
F1554-06	GAC-EFF	Air	1,1,2-Trichlorotrifluoroethane	16.90		0.31	0.77	3.83	ug/m3
F1554-06	GAC-EFF	Air	1,1-Dichloroethene	1.03	J	0.2	0.4	1.98	ug/m3
F1554-06	GAC-EFF	Air	Methylene Chloride	101.00	EB	0.17	0.35	1.74	ug/m3
F1554-06	GAC-EFF	Air	trans-1,2-Dichloroethene	0.71	J	0.2	0.4	1.98	ug/m3
F1554-06	GAC-EFF	Air	1,1-Dichloroethane	39.70		0.16	0.4	2.02	ug/m3
F1554-06	GAC-EFF	Air	Cyclohexane	70.60	E	0.34	0.34	1.72	ug/m3
F1554-06	GAC-EFF	Air	2-Butanone	0.32	J	0.29	0.29	1.47	ug/m3
F1554-06	GAC-EFF	Air	cis-1,2-Dichloroethene	58.30		0.2	0.4	1.98	ug/m3
F1554-06	GAC-EFF	Air	Chloroform	1.95	J	0.1	0.49	2.44	ug/m3
F1554-06	GAC-EFF	Air	1,1,1-Trichloroethane	287.00	E	0.16	0.16	2.73	ug/m3
F1554-06	GAC-EFF	Air	Trichloroethene	140.00	E	0.11	0.16	2.69	ug/m3
F1554-06	GAC-EFF	Air	Toluene	0.26	J	0.19	0.38	1.88	ug/m3
F1554-06	GAC-EFF	Air	Hexane	13.00		0.14	0.35	1.76	ug/m3
Total Voc :				747.97					
Total Concentration:				747.97					
Client ID: GAC-EFFDL									
F1554-06DL	GAC-EFFDL	Air	1,1,2-Trichlorotrifluoroethane	16.10	JD	3.07	7.66	38.3	ug/m3
F1554-06DL	GAC-EFFDL	Air	Methylene Chloride	110.00	DB	1.74	3.47	17.4	ug/m3
F1554-06DL	GAC-EFFDL	Air	1,1-Dichloroethane	37.20	D	1.62	4.05	20.2	ug/m3
F1554-06DL	GAC-EFFDL	Air	Cyclohexane	65.40	D	3.44	3.44	17.2	ug/m3
F1554-06DL	GAC-EFFDL	Air	cis-1,2-Dichloroethene	52.70	D	1.98	3.96	19.8	ug/m3
F1554-06DL	GAC-EFFDL	Air	1,1,1-Trichloroethane	295.00	D	1.64	1.64	27.3	ug/m3
F1554-06DL	GAC-EFFDL	Air	Trichloroethene	131.00	D	0.81	1.61	26.9	ug/m3
F1554-06DL	GAC-EFFDL	Air	Hexane	12.30	JD	1.41	3.52	17.6	ug/m3
Total Voc :				719.7					
Total Concentration:				719.7					
Client ID: GAC-INF									
F1554-05	GAC-INF	Air	Dichlorodifluoromethane	2.77		0.2	0.49	2.47	ug/m3
F1554-05	GAC-INF	Air	Chloromethane	0.56	J	0.21	0.21	1.03	ug/m3
F1554-05	GAC-INF	Air	Vinyl Chloride	2.56		0.08	0.08	1.28	ug/m3
F1554-05	GAC-INF	Air	Chloroethane	5.81		0.26	0.26	1.32	ug/m3
F1554-05	GAC-INF	Air	Trichlorofluoromethane	2.08	J	0.22	0.56	2.81	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1554-05	GAC-INF	Air	1,1,2-Trichlorotrifluoroethane	16.10		0.31	0.77	3.83	ug/m3
F1554-05	GAC-INF	Air	Heptane	22.10		0.41	0.41	2.05	ug/m3
F1554-05	GAC-INF	Air	1,1-Dichloroethene	0.87	J	0.2	0.4	1.98	ug/m3
F1554-05	GAC-INF	Air	Methylene Chloride	14.20	B	0.17	0.35	1.74	ug/m3
F1554-05	GAC-INF	Air	trans-1,2-Dichloroethene	0.71	J	0.2	0.4	1.98	ug/m3
F1554-05	GAC-INF	Air	1,1-Dichloroethane	50.60		0.16	0.4	2.02	ug/m3
F1554-05	GAC-INF	Air	Cyclohexane	20.30		0.34	0.34	1.72	ug/m3
F1554-05	GAC-INF	Air	2-Butanone	0.86	J	0.29	0.29	1.47	ug/m3
F1554-05	GAC-INF	Air	Carbon Tetrachloride	0.38	J	0.19	0.19	3.15	ug/m3
F1554-05	GAC-INF	Air	cis-1,2-Dichloroethene	53.50		0.2	0.4	1.98	ug/m3
F1554-05	GAC-INF	Air	Chloroform	3.66		0.1	0.49	2.44	ug/m3
F1554-05	GAC-INF	Air	1,1,1-Trichloroethane	123.00	E	0.16	0.16	2.73	ug/m3
F1554-05	GAC-INF	Air	2,2,4-Trimethylpentane	15.90		0.19	0.47	2.34	ug/m3
F1554-05	GAC-INF	Air	Benzene	0.58	J	0.13	0.32	1.6	ug/m3
F1554-05	GAC-INF	Air	Trichloroethene	181.00	E	0.11	0.16	2.69	ug/m3
F1554-05	GAC-INF	Air	Toluene	7.54		0.19	0.38	1.88	ug/m3
F1554-05	GAC-INF	Air	Tetrachloroethene	9.49		0.2	0.2	3.39	ug/m3
F1554-05	GAC-INF	Air	Ethyl Benzene	0.43	J	0.43	0.43	2.17	ug/m3
F1554-05	GAC-INF	Air	m/p-Xylene	1.52	J	0.43	0.87	4.34	ug/m3
F1554-05	GAC-INF	Air	o-Xylene	0.78	J	0.43	0.43	2.17	ug/m3
F1554-05	GAC-INF	Air	1,3,5-Trimethylbenzene	1.18	J	0.49	0.49	2.46	ug/m3
F1554-05	GAC-INF	Air	1,2,4-Trimethylbenzene	0.84	J	0.49	0.49	2.46	ug/m3
F1554-05	GAC-INF	Air	4-Ethyltoluene	0.49	J	0.49	0.49	2.46	ug/m3
F1554-05	GAC-INF	Air	Hexane	34.20		0.14	0.35	1.76	ug/m3
F1554-05	GAC-INF	Air	Methyl Methacrylate	2.42		0.41	0.41	2.05	ug/m3
Total Voc :				576.43					
Total Concentration:				576.43					
Client ID:	GAC-INFDL								
F1554-05DL	GAC-INFDL	Air	1,1,2-Trichlorotrifluoroethane	16.90	JD	3.07	7.66	38.3	ug/m3
F1554-05DL	GAC-INFDL	Air	Heptane	19.70	JD	4.1	4.1	20.5	ug/m3
F1554-05DL	GAC-INFDL	Air	1,1-Dichloroethane	48.20	D	1.62	4.05	20.2	ug/m3
F1554-05DL	GAC-INFDL	Air	Cyclohexane	18.90	D	3.44	3.44	17.2	ug/m3
F1554-05DL	GAC-INFDL	Air	cis-1,2-Dichloroethene	48.80	D	1.98	3.96	19.8	ug/m3
F1554-05DL	GAC-INFDL	Air	1,1,1-Trichloroethane	123.00	D	1.64	1.64	27.3	ug/m3
F1554-05DL	GAC-INFDL	Air	2,2,4-Trimethylpentane	15.00	JD	1.87	4.67	23.4	ug/m3
F1554-05DL	GAC-INFDL	Air	Trichloroethene	175.00	D	0.81	1.61	26.9	ug/m3
F1554-05DL	GAC-INFDL	Air	Toluene	6.41	JD	1.88	3.77	18.8	ug/m3
F1554-05DL	GAC-INFDL	Air	Tetrachloroethene	8.82	JD	2.03	2.03	33.9	ug/m3

Hit Summary Sheet SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1554-05DL	GAC-INFDL	Air	Hexane	30.30	D	1.41	3.52	17.6	ug/m3
			Total Voc :	511.03					
			Total Concentration:	511.03					
Client ID:	SSDS-INF								
F1554-04	SSDS-INF	Air	Dichlorodifluoromethane	3.16		0.2	0.49	2.47	ug/m3
F1554-04	SSDS-INF	Air	Chloromethane	0.64	J	0.21	0.21	1.03	ug/m3
F1554-04	SSDS-INF	Air	Vinyl Chloride	1.46		0.08	0.08	1.28	ug/m3
F1554-04	SSDS-INF	Air	Chloroethane	1.64		0.26	0.26	1.32	ug/m3
F1554-04	SSDS-INF	Air	Tetrahydrofuran	4.13		0.29	0.29	1.47	ug/m3
F1554-04	SSDS-INF	Air	Trichlorofluoromethane	1.57	J	0.22	0.56	2.81	ug/m3
F1554-04	SSDS-INF	Air	1,1,2-Trichlorotrifluoroethane	1.99	J	0.31	0.77	3.83	ug/m3
F1554-04	SSDS-INF	Air	Heptane	5.74		0.41	0.41	2.05	ug/m3
F1554-04	SSDS-INF	Air	Acetone	107.00	E	0.24	0.24	1.19	ug/m3
F1554-04	SSDS-INF	Air	Methylene Chloride	17.70	B	0.17	0.35	1.74	ug/m3
F1554-04	SSDS-INF	Air	1,1-Dichloroethane	3.80		0.16	0.4	2.02	ug/m3
F1554-04	SSDS-INF	Air	Cyclohexane	1.17	J	0.34	0.34	1.72	ug/m3
F1554-04	SSDS-INF	Air	2-Butanone	6.19		0.29	0.29	1.47	ug/m3
F1554-04	SSDS-INF	Air	Carbon Tetrachloride	0.44	J	0.19	0.19	3.15	ug/m3
F1554-04	SSDS-INF	Air	cis-1,2-Dichloroethene	2.89		0.2	0.4	1.98	ug/m3
F1554-04	SSDS-INF	Air	Chloroform	4.00		0.1	0.49	2.44	ug/m3
F1554-04	SSDS-INF	Air	1,1,1-Trichloroethane	14.20		0.16	0.16	2.73	ug/m3
F1554-04	SSDS-INF	Air	2,2,4-Trimethylpentane	1.12	J	0.19	0.47	2.34	ug/m3
F1554-04	SSDS-INF	Air	Benzene	1.12	J	0.13	0.32	1.6	ug/m3
F1554-04	SSDS-INF	Air	Trichloroethene	6.45		0.11	0.16	2.69	ug/m3
F1554-04	SSDS-INF	Air	Toluene	5.28		0.19	0.38	1.88	ug/m3
F1554-04	SSDS-INF	Air	Tetrachloroethene	1.42	J	0.2	0.2	3.39	ug/m3
F1554-04	SSDS-INF	Air	Ethyl Benzene	0.43	J	0.43	0.43	2.17	ug/m3
F1554-04	SSDS-INF	Air	m/p-Xylene	1.56	J	0.43	0.87	4.34	ug/m3
F1554-04	SSDS-INF	Air	o-Xylene	0.61	J	0.43	0.43	2.17	ug/m3
F1554-04	SSDS-INF	Air	1,2,4-Trimethylbenzene	0.54	J	0.49	0.49	2.46	ug/m3
			Total Voc :	196.25					
			Total Concentration:	196.25					
Client ID:	SSDS-INFDL								
F1554-04DL	SSDS-INFDL	Air	Acetone	100.00	D	2.38	2.38	11.9	ug/m3
F1554-04DL	SSDS-INFDL	Air	2-Butanone	5.31	JD	2.95	2.95	14.8	ug/m3
F1554-04DL	SSDS-INFDL	Air	1,1,1-Trichloroethane	11.50	JD	1.64	1.64	27.3	ug/m3
F1554-04DL	SSDS-INFDL	Air	Trichloroethene	4.84	JD	0.81	1.61	26.9	ug/m3
F1554-04DL	SSDS-INFDL	Air	Toluene	3.77	JD	1.88	3.77	18.8	ug/m3

Hit Summary Sheet SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				125.42					
Total Concentration:				125.42					
Client ID:	SVE-INF1								
F1554-01	SVE-INF1	Air	Dichlorodifluoromethane	2.97		0.2	0.49	2.47	ug/m3
F1554-01	SVE-INF1	Air	Chloromethane	1.22		0.21	0.21	1.03	ug/m3
F1554-01	SVE-INF1	Air	Vinyl Chloride	16.60		0.08	0.08	1.28	ug/m3
F1554-01	SVE-INF1	Air	Chloroethane	47.00	E	0.26	0.26	1.32	ug/m3
F1554-01	SVE-INF1	Air	Trichlorofluoromethane	7.87		0.22	0.56	2.81	ug/m3
F1554-01	SVE-INF1	Air	1,1,2-Trichlorotrifluoroethane	153.00	E	0.31	0.77	3.83	ug/m3
F1554-01	SVE-INF1	Air	Heptane	236.00	E	0.41	0.41	2.05	ug/m3
F1554-01	SVE-INF1	Air	1,1-Dichloroethene	2.42		0.2	0.4	1.98	ug/m3
F1554-01	SVE-INF1	Air	Carbon Disulfide	0.53	J	0.16	0.31	1.56	ug/m3
F1554-01	SVE-INF1	Air	Methylene Chloride	11.10	B	0.17	0.35	1.74	ug/m3
F1554-01	SVE-INF1	Air	trans-1,2-Dichloroethene	2.82		0.2	0.4	1.98	ug/m3
F1554-01	SVE-INF1	Air	1,1-Dichloroethane	445.00	E	0.16	0.4	2.02	ug/m3
F1554-01	SVE-INF1	Air	Cyclohexane	219.00	E	0.34	0.34	1.72	ug/m3
F1554-01	SVE-INF1	Air	2-Butanone	1.59		0.29	0.29	1.47	ug/m3
F1554-01	SVE-INF1	Air	Carbon Tetrachloride	0.38	J	0.19	0.19	3.15	ug/m3
F1554-01	SVE-INF1	Air	cis-1,2-Dichloroethene	341.00	E	0.2	0.4	1.98	ug/m3
F1554-01	SVE-INF1	Air	1,1,1-Trichloroethane	763.00	E	0.16	0.16	2.73	ug/m3
F1554-01	SVE-INF1	Air	2,2,4-Trimethylpentane	101.00	E	0.19	0.47	2.34	ug/m3
F1554-01	SVE-INF1	Air	Trichloroethene	476.00	E	0.11	0.16	2.69	ug/m3
F1554-01	SVE-INF1	Air	Toluene	1.85	J	0.19	0.38	1.88	ug/m3
F1554-01	SVE-INF1	Air	Tetrachloroethene	50.90		0.2	0.2	3.39	ug/m3
F1554-01	SVE-INF1	Air	o-Xylene	2.43		0.43	0.43	2.17	ug/m3
F1554-01	SVE-INF1	Air	1,3,5-Trimethylbenzene	15.20		0.49	0.49	2.46	ug/m3
F1554-01	SVE-INF1	Air	1,4-Dichlorobenzene	1.32	J	0.6	0.6	3.01	ug/m3
F1554-01	SVE-INF1	Air	1,2-Dichlorobenzene	2.22	J	0.6	0.6	3.01	ug/m3
F1554-01	SVE-INF1	Air	4-Ethyltoluene	3.10		0.49	0.49	2.46	ug/m3
F1554-01	SVE-INF1	Air	Hexane	335.00	E	0.14	0.35	1.76	ug/m3
Total Voc :				3240.52					
Total Concentration:				3240.52					
Client ID:	SVE-INF1DL								
F1554-01DL	SVE-INF1DL	Air	Vinyl Chloride	16.10	D	0.77	0.77	12.8	ug/m3
F1554-01DL	SVE-INF1DL	Air	Chloroethane	46.40	D	2.64	2.64	13.2	ug/m3
F1554-01DL	SVE-INF1DL	Air	Trichlorofluoromethane	7.31	JD	2.25	5.62	28.1	ug/m3
F1554-01DL	SVE-INF1DL	Air	1,1,2-Trichlorotrifluoroethane	150.00	D	3.07	7.66	38.3	ug/m3
F1554-01DL	SVE-INF1DL	Air	Heptane	260.00	D	4.1	4.1	20.5	ug/m3

Hit Summary Sheet SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1554-01DL	SVE-INF1DL	Air	1,1-Dichloroethane	526.00	D	1.62	4.05	20.2	ug/m3
F1554-01DL	SVE-INF1DL	Air	Cyclohexane	220.00	D	3.44	3.44	17.2	ug/m3
F1554-01DL	SVE-INF1DL	Air	cis-1,2-Dichloroethene	358.00	D	1.98	3.96	19.8	ug/m3
F1554-01DL	SVE-INF1DL	Air	1,1,1-Trichloroethane	1,200.00	ED	1.64	1.64	27.3	ug/m3
F1554-01DL	SVE-INF1DL	Air	2,2,4-Trimethylpentane	120.00	D	1.87	4.67	23.4	ug/m3
F1554-01DL	SVE-INF1DL	Air	Trichloroethene	536.00	D	0.81	1.61	26.9	ug/m3
F1554-01DL	SVE-INF1DL	Air	Tetrachloroethene	50.20	D	2.03	2.03	33.9	ug/m3
F1554-01DL	SVE-INF1DL	Air	1,3,5-Trimethylbenzene	14.80	JD	4.92	4.92	24.6	ug/m3
F1554-01DL	SVE-INF1DL	Air	Hexane	352.00	D	1.41	3.52	17.6	ug/m3
Total Voc :				3856.81					
Total Concentration:				3856.81					
Client ID:	SVE-INF1DL2								
F1554-01DL2	SVE-INF1DL2	Air	Chloroethane	48.60	JD	10.6	10.6	52.8	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	1,1,2-Trichlorotrifluoroethane	183.00	D	12.3	30.7	153	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	Heptane	286.00	D	16.4	16.4	82.0	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	1,1-Dichloroethane	607.00	D	6.48	16.2	81.0	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	Cyclohexane	238.00	D	13.8	13.8	68.8	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	cis-1,2-Dichloroethene	390.00	D	7.93	15.9	79.3	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	1,1,1-Trichloroethane	1,473.00	D	6.55	6.55	109	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	2,2,4-Trimethylpentane	136.00	D	7.47	18.7	93.4	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	Trichloroethene	591.00	D	3.22	6.45	107	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	Tetrachloroethene	57.00	JD	8.14	8.14	135	ug/m3
F1554-01DL2	SVE-INF1DL2	Air	Hexane	387.00	D	5.64	14.1	70.5	ug/m3
Total Voc :				4396.6					
Total Concentration:				4396.6					
Client ID:	SVE-INF2								
F1554-02	SVE-INF2	Air	Dichlorodifluoromethane	3.02		0.2	0.49	2.47	ug/m3
F1554-02	SVE-INF2	Air	Chloromethane	0.25	J	0.21	0.21	1.03	ug/m3
F1554-02	SVE-INF2	Air	Vinyl Chloride	4.09		0.08	0.08	1.28	ug/m3
F1554-02	SVE-INF2	Air	Chloroethane	12.90		0.26	0.26	1.32	ug/m3
F1554-02	SVE-INF2	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
F1554-02	SVE-INF2	Air	1,1,2-Trichlorotrifluoroethane	13.00		0.31	0.77	3.83	ug/m3
F1554-02	SVE-INF2	Air	1,1-Dichloroethene	0.83	J	0.2	0.4	1.98	ug/m3
F1554-02	SVE-INF2	Air	Acetone	5.46		0.24	0.24	1.19	ug/m3
F1554-02	SVE-INF2	Air	Methyl tert-Butyl Ether	0.29	J	0.18	0.36	1.8	ug/m3
F1554-02	SVE-INF2	Air	Methylene Chloride	3.40	B	0.17	0.35	1.74	ug/m3
F1554-02	SVE-INF2	Air	trans-1,2-Dichloroethene	0.91	J	0.2	0.4	1.98	ug/m3
F1554-02	SVE-INF2	Air	1,1-Dichloroethane	49.80		0.16	0.4	2.02	ug/m3

Hit Summary Sheet

SW-846

SDG No.: F1554

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1554-02	SVE-INF2	Air	Carbon Tetrachloride	0.38	J	0.19	0.19	3.15	ug/m3
F1554-02	SVE-INF2	Air	cis-1,2-Dichloroethene	29.30		0.2	0.4	1.98	ug/m3
F1554-02	SVE-INF2	Air	Chloroform	0.44	J	0.1	0.49	2.44	ug/m3
F1554-02	SVE-INF2	Air	1,1,1-Trichloroethane	127.00	E	0.16	0.16	2.73	ug/m3
F1554-02	SVE-INF2	Air	Benzene	0.29	J	0.13	0.32	1.6	ug/m3
F1554-02	SVE-INF2	Air	Trichloroethene	220.00	E	0.11	0.16	2.69	ug/m3
F1554-02	SVE-INF2	Air	Toluene	0.30	J	0.19	0.38	1.88	ug/m3
F1554-02	SVE-INF2	Air	Tetrachloroethene	3.53		0.2	0.2	3.39	ug/m3
Total Voc :				476.99					
Total Concentration:				476.99					
Client ID:	SVE-INF2DL								
F1554-02DL	SVE-INF2DL	Air	1,1-Dichloroethane	56.70	JD	6.48	16.2	81.0	ug/m3
F1554-02DL	SVE-INF2DL	Air	cis-1,2-Dichloroethene	31.70	JD	7.93	15.9	79.3	ug/m3
F1554-02DL	SVE-INF2DL	Air	1,1,1-Trichloroethane	135.00	D	6.55	6.55	109	ug/m3
F1554-02DL	SVE-INF2DL	Air	Trichloroethene	234.00	D	3.22	6.45	107	ug/m3
Total Voc :				457.4					
Total Concentration:				457.4					
Client ID:	SVE-INF3								
F1554-03	SVE-INF3	Air	Dichlorodifluoromethane	2.72		0.2	0.49	2.47	ug/m3
F1554-03	SVE-INF3	Air	Chloromethane	0.39	J	0.21	0.21	1.03	ug/m3
F1554-03	SVE-INF3	Air	Vinyl Chloride	7.16		0.08	0.08	1.28	ug/m3
F1554-03	SVE-INF3	Air	Chloroethane	7.92		0.26	0.26	1.32	ug/m3
F1554-03	SVE-INF3	Air	Trichlorofluoromethane	6.74		0.22	0.56	2.81	ug/m3
F1554-03	SVE-INF3	Air	1,1,2-Trichlorotrifluoroethane	85.10		0.31	0.77	3.83	ug/m3
F1554-03	SVE-INF3	Air	Heptane	103.00	E	0.41	0.41	2.05	ug/m3
F1554-03	SVE-INF3	Air	1,1-Dichloroethene	7.93		0.2	0.4	1.98	ug/m3
F1554-03	SVE-INF3	Air	Methylene Chloride	6.25	B	0.17	0.35	1.74	ug/m3
F1554-03	SVE-INF3	Air	trans-1,2-Dichloroethene	4.76		0.2	0.4	1.98	ug/m3
F1554-03	SVE-INF3	Air	1,1-Dichloroethane	201.00	E	0.16	0.4	2.02	ug/m3
F1554-03	SVE-INF3	Air	Cyclohexane	110.00	E	0.34	0.34	1.72	ug/m3
F1554-03	SVE-INF3	Air	cis-1,2-Dichloroethene	369.00	E	0.2	0.4	1.98	ug/m3
F1554-03	SVE-INF3	Air	Chloroform	1.81	J	0.1	0.49	2.44	ug/m3
F1554-03	SVE-INF3	Air	1,1,1-Trichloroethane	488.00	E	0.16	0.16	2.73	ug/m3
F1554-03	SVE-INF3	Air	2,2,4-Trimethylpentane	82.20	E	0.19	0.47	2.34	ug/m3
F1554-03	SVE-INF3	Air	Trichloroethene	1,021.00	E	0.11	0.16	2.69	ug/m3
F1554-03	SVE-INF3	Air	Toluene	1.43	J	0.19	0.38	1.88	ug/m3
F1554-03	SVE-INF3	Air	Tetrachloroethene	30.50		0.2	0.2	3.39	ug/m3
F1554-03	SVE-INF3	Air	o-Xylene	1.91	J	0.43	0.43	2.17	ug/m3

Hit Summary Sheet SW-846

SDG No.: F1554
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
F1554-03	SVE-INF3	Air	1,3,5-Trimethylbenzene	1.52	J	0.49	0.49	2.46	ug/m3
F1554-03	SVE-INF3	Air	1,2-Dichlorobenzene	2.28	J	0.6	0.6	3.01	ug/m3
F1554-03	SVE-INF3	Air	Hexane	170.00	E	0.14	0.35	1.76	ug/m3
Total Voc :				2712.62					
Total Concentration:				2712.62					
Client ID:	SVE-INF3DL								
F1554-03DL	SVE-INF3DL	Air	1,1,2-Trichlorotrifluoroethane	104.00	JD	12.3	30.7	153	ug/m3
F1554-03DL	SVE-INF3DL	Air	Heptane	113.00	D	16.4	16.4	82.0	ug/m3
F1554-03DL	SVE-INF3DL	Air	1,1-Dichloroethane	247.00	D	6.48	16.2	81.0	ug/m3
F1554-03DL	SVE-INF3DL	Air	Cyclohexane	119.00	D	13.8	13.8	68.8	ug/m3
F1554-03DL	SVE-INF3DL	Air	cis-1,2-Dichloroethene	436.00	D	7.93	15.9	79.3	ug/m3
F1554-03DL	SVE-INF3DL	Air	1,1,1-Trichloroethane	600.00	D	6.55	6.55	109	ug/m3
F1554-03DL	SVE-INF3DL	Air	2,2,4-Trimethylpentane	132.00	D	7.47	18.7	93.4	ug/m3
F1554-03DL	SVE-INF3DL	Air	Trichloroethene	1,934.00	D	3.22	6.45	107	ug/m3
F1554-03DL	SVE-INF3DL	Air	Tetrachloroethene	32.60	JD	8.14	8.14	135	ug/m3
F1554-03DL	SVE-INF3DL	Air	Hexane	194.00	D	5.64	14.1	70.5	ug/m3
Total Voc :				3911.6					
Total Concentration:				3911.6					

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.6		2.97		
Chloromethane	74-87-3	50.49	0.59		1.22		
Vinyl Chloride	75-01-4	62.5	6.5		16.6		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	17.8	E	47		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	1.4		7.87		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	20	E	153		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	57.7	E	236		
1,1-Dichloroethene	75-35-4	96.94	0.61		2.42		
Acetone	67-64-1	58.08	0.5	U	1.19		
Carbon Disulfide	75-15-0	76.14	0.17	J	0.53		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	3.2		11.1		
trans-1,2-Dichloroethene	156-60-5	96.94	0.71		2.82		
1,1-Dichloroethane	75-34-3	98.96	110	E	445		
Cyclohexane	110-82-7	84.16	63.9	E	219		
2-Butanone	78-93-3	72.11	0.54		1.59		
Carbon Tetrachloride	56-23-5	153.8	0.06	J	0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	86.2	E	341		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	140	E	763		
2,2,4-Trimethylpentane	540-84-1	114.2	21.7	E	101		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	88.7	E	476		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.49	J	1.85		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	7.5		50.9		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.56		2.43		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

Project: Air Standard Motor Prod. 2-41-016.
Field ID Number: SVE-INF1
Laboratory ID Number: F1554-01

TARGET ANALYTES -
AIR RESULTS

Sampling Date: 03/04/14
Analysis Date: 03/07/14

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	3.1		15.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.22	J	1.32		
1,2-Dichlorobenzene	95-50-1	147	0.37	J	2.22		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.63		3.1		
Hexane	110-54-3	86.17	95.3	E	335		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	6.3	D	16.1		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	17.6	D	46.4		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	1.3	JD	7.31		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	19.7	D	150		
Bromoethene	593-60-2	106.9	5	UD	21.9		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	63.5	D	260		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	5	UD	11.9		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	130	D	526		
Cyclohexane	110-82-7	84.16	64.1	D	220		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	5	UD	31.4		
cis-1,2-Dichloroethene	156-59-2	96.94	90.5	D	358		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	220	ED	1200		
2,2,4-Trimethylpentane	540-84-1	114.2	25.9	D	120		
Benzene	71-43-2	78.11	5	UD	16		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	99.8	D	536		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		
1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	7.4	D	50.2		
Chlorobenzene	108-90-7	112.6	5	UD	23		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	5	UD	34.3		

Project: Air Standard Motor Prod. 2-41-016.
Field ID Number: SVE-INF1DL
Laboratory ID Number: F1554-01DL

TARGET ANALYTES -
AIR RESULTS

Sampling Date: 03/04/14
Analysis Date: 03/07/14

2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	3	JD	14.8		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
Naphthalene	91-20-3	128.17	5	UD	26.2		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	100	D	352		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	20	UD	98.9		
Chloromethane	74-87-3	50.49	20	UD	41.3		
Vinyl Chloride	75-01-4	62.5	20	UD	51.1		
Bromomethane	74-83-9	94.94	20	UD	77.7		
Chloroethane	75-00-3	64.52	18.4	JD	48.6		
Tetrahydrofuran	109-99-9	72.11	20	UD	59		
Trichlorofluoromethane	75-69-4	137.4	20	UD	112		
Dichlorotetrafluoroethane	76-14-2	170.9	20	UD	139		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	24	D	183		
Bromoethene	593-60-2	106.9	20	UD	87.4		
tert-Butyl alcohol	75-65-0	74.12	20	UD	60.6		
Heptane	142-82-5	100.2	70	D	286		
1,1-Dichloroethene	75-35-4	96.94	20	UD	79.3		
Acetone	67-64-1	58.08	20	UD	47.5		
Carbon Disulfide	75-15-0	76.14	20	UD	62.3		
Methyl tert-Butyl Ether	1634-04-4	88.15	20	UD	72.1		
Methylene Chloride	75-09-2	84.94	20	UD	69.5		
trans-1,2-Dichloroethene	156-60-5	96.94	20	UD	79.3		
1,1-Dichloroethane	75-34-3	98.96	150	D	607		
Cyclohexane	110-82-7	84.16	69.2	D	238		
2-Butanone	78-93-3	72.11	20	UD	59		
Carbon Tetrachloride	56-23-5	153.8	20	UD	125		
cis-1,2-Dichloroethene	156-59-2	96.94	98.4	D	390		
Chloroform	67-66-3	119.4	20	UD	97.7		
1,1,1-Trichloroethane	71-55-6	133.4	270	D	1473		
2,2,4-Trimethylpentane	540-84-1	114.2	29.2	D	136		
Benzene	71-43-2	78.11	20	UD	63.9		
1,2-Dichloroethane	107-06-2	98.96	20	UD	81		
Trichloroethene	79-01-6	131.4	110	D	591		
1,2-Dichloropropane	78-87-5	113	20	UD	92.4		
Bromodichloromethane	75-27-4	163.8	20	UD	133		
4-Methyl-2-Pentanone	108-10-1	100.2	20	UD	82		
Toluene	108-88-3	92.14	20	UD	75.4		
t-1,3-Dichloropropene	10061-02-6	111	20	UD	90.8		
cis-1,3-Dichloropropene	10061-01-5	111	20	UD	90.8		
1,1,2-Trichloroethane	79-00-5	133.4	20	UD	109		
Dibromochloromethane	124-48-1	208.3	20	UD	170		
1,2-Dibromoethane	106-93-4	187.9	20	UD	153		
Tetrachloroethene	127-18-4	165.8	8.4	JD	57		
Chlorobenzene	108-90-7	112.6	20	UD	92.1		
Ethyl Benzene	100-41-4	106.2	20	UD	86.9		
m/p-Xylene	179601-23-1	106.2	40	UD	173		
o-Xylene	95-47-6	106.2	20	UD	86.9		
Styrene	100-42-5	104.1	20	UD	85.2		
Bromoform	75-25-2	252.8	20	UD	206		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	20	UD	137		

Project: Air Standard Motor Prod. 2-41-016.
 Field ID Number: SVE-INF1DL2
 Laboratory ID Number: F1554-01DL2

TARGET ANALYTES -
 AIR RESULTS

Sampling Date: 03/04/14
 Analysis Date: 03/07/14

2-Chlorotoluene	95-49-8	126.6	20	UD	103		
1,3,5-Trimethylbenzene	108-67-8	120.2	20	UD	98.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	20	UD	98.3		
1,3-Dichlorobenzene	541-73-1	147	20	UD	120		
1,4-Dichlorobenzene	106-46-7	147	20	UD	120		
1,2-Dichlorobenzene	95-50-1	147	20	UD	120		
1,2,4-Trichlorobenzene	120-82-1	181.5	20	UD	148		
Hexachloro-1,3-Butadiene	87-68-3	260.8	20	UD	213		
Naphthalene	91-20-3	128.17	20	UD	104		
1,3-Butadiene	106-99-0	54.09	20	UD	44.2		
4-Ethyltoluene	622-96-8	120.2	20	UD	98.3		
Hexane	110-54-3	86.17	110	D	387		
Allyl Chloride	107-05-1	76.53	20	UD	62.6		
1,4-Dioxane	123-91-1	88.12	20	UD	72.1		
Methyl Methacrylate	80-62-6	100.117	20	UD	81.9		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.61		3.02		
Chloromethane	74-87-3	50.49	0.12	J	0.25		
Vinyl Chloride	75-01-4	62.5	1.6		4.09		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	4.9		12.9		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.7		13		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.21	J	0.83		
Acetone	67-64-1	58.08	2.3		5.46		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.08	J	0.29		
Methylene Chloride	75-09-2	84.94	0.98		3.4		
trans-1,2-Dichloroethene	156-60-5	96.94	0.23	J	0.91		
1,1-Dichloroethane	75-34-3	98.96	12.3		49.8		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.5	U	1.47		
Carbon Tetrachloride	56-23-5	153.8	0.06	J	0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	7.4		29.3		
Chloroform	67-66-3	119.4	0.09	J	0.44		
1,1,1-Trichloroethane	71-55-6	133.4	23.3	E	127		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.09	J	0.29		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	41	E	220		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.08	J	0.3		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.52		3.53		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.5	U	1.76		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	20	UD	98.9		
Chloromethane	74-87-3	50.49	20	UD	41.3		
Vinyl Chloride	75-01-4	62.5	20	UD	51.1		
Bromomethane	74-83-9	94.94	20	UD	77.7		
Chloroethane	75-00-3	64.52	20	UD	52.8		
Tetrahydrofuran	109-99-9	72.11	20	UD	59		
Trichlorofluoromethane	75-69-4	137.4	20	UD	112		
Dichlorotetrafluoroethane	76-14-2	170.9	20	UD	139		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	20	UD	153		
Bromoethene	593-60-2	106.9	20	UD	87.4		
tert-Butyl alcohol	75-65-0	74.12	20	UD	60.6		
Heptane	142-82-5	100.2	20	UD	82		
1,1-Dichloroethene	75-35-4	96.94	20	UD	79.3		
Acetone	67-64-1	58.08	20	UD	47.5		
Carbon Disulfide	75-15-0	76.14	20	UD	62.3		
Methyl tert-Butyl Ether	1634-04-4	88.15	20	UD	72.1		
Methylene Chloride	75-09-2	84.94	20	UD	69.5		
trans-1,2-Dichloroethene	156-60-5	96.94	20	UD	79.3		
1,1-Dichloroethane	75-34-3	98.96	14	JD	56.7		
Cyclohexane	110-82-7	84.16	20	UD	68.8		
2-Butanone	78-93-3	72.11	20	UD	59		
Carbon Tetrachloride	56-23-5	153.8	20	UD	125		
cis-1,2-Dichloroethene	156-59-2	96.94	8	JD	31.7		
Chloroform	67-66-3	119.4	20	UD	97.7		
1,1,1-Trichloroethane	71-55-6	133.4	24.8	D	135		
2,2,4-Trimethylpentane	540-84-1	114.2	20	UD	93.4		
Benzene	71-43-2	78.11	20	UD	63.9		
1,2-Dichloroethane	107-06-2	98.96	20	UD	81		
Trichloroethene	79-01-6	131.4	43.6	D	234		
1,2-Dichloropropane	78-87-5	113	20	UD	92.4		
Bromodichloromethane	75-27-4	163.8	20	UD	133		
4-Methyl-2-Pentanone	108-10-1	100.2	20	UD	82		
Toluene	108-88-3	92.14	20	UD	75.4		
t-1,3-Dichloropropene	10061-02-6	111	20	UD	90.8		
cis-1,3-Dichloropropene	10061-01-5	111	20	UD	90.8		
1,1,2-Trichloroethane	79-00-5	133.4	20	UD	109		
Dibromochloromethane	124-48-1	208.3	20	UD	170		
1,2-Dibromoethane	106-93-4	187.9	20	UD	153		
Tetrachloroethene	127-18-4	165.8	20	UD	135		
Chlorobenzene	108-90-7	112.6	20	UD	92.1		
Ethyl Benzene	100-41-4	106.2	20	UD	86.9		
m/p-Xylene	179601-23-1	106.2	40	UD	173		
o-Xylene	95-47-6	106.2	20	UD	86.9		
Styrene	100-42-5	104.1	20	UD	85.2		
Bromoform	75-25-2	252.8	20	UD	206		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	20	UD	137		

2-Chlorotoluene	95-49-8	126.6	20	UD	103		
1,3,5-Trimethylbenzene	108-67-8	120.2	20	UD	98.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	20	UD	98.3		
1,3-Dichlorobenzene	541-73-1	147	20	UD	120		
1,4-Dichlorobenzene	106-46-7	147	20	UD	120		
1,2-Dichlorobenzene	95-50-1	147	20	UD	120		
1,2,4-Trichlorobenzene	120-82-1	181.5	20	UD	148		
Hexachloro-1,3-Butadiene	87-68-3	260.8	20	UD	213		
1,3-Butadiene	106-99-0	54.09	20	UD	44.2		
Naphthalene	91-20-3	128.17	20	UD	104		
4-Ethyltoluene	622-96-8	120.2	20	UD	98.3		
Hexane	110-54-3	86.17	20	UD	70.5		
Allyl Chloride	107-05-1	76.53	20	UD	62.6		
1,4-Dioxane	123-91-1	88.12	20	UD	72.1		
Methyl Methacrylate	80-62-6	100.117	20	UD	81.9		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.55		2.72		
Chloromethane	74-87-3	50.49	0.19	J	0.39		
Vinyl Chloride	75-01-4	62.5	2.8		7.16		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	3		7.92		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	1.2		6.74		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	11.1		85.1		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	25.2	E	103		
1,1-Dichloroethene	75-35-4	96.94	2		7.93		
Acetone	67-64-1	58.08	0.5	U	1.19		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	1.8		6.25		
trans-1,2-Dichloroethene	156-60-5	96.94	1.2		4.76		
1,1-Dichloroethane	75-34-3	98.96	49.9	E	201		
Cyclohexane	110-82-7	84.16	32.2	E	110		
2-Butanone	78-93-3	72.11	0.5	U	1.47		
Carbon Tetrachloride	56-23-5	153.8	0.5	U	3.15		
cis-1,2-Dichloroethene	156-59-2	96.94	93.1	E	369		
Chloroform	67-66-3	119.4	0.37	J	1.81		
1,1,1-Trichloroethane	71-55-6	133.4	89.5	E	488		
2,2,4-Trimethylpentane	540-84-1	114.2	17.6	E	82.2		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	190	E	1021		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.38	J	1.43		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	4.5		30.5		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.44	J	1.91		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.31	J	1.52		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.38	J	2.28		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	48.4	E	170		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	20	UD	98.9		
Chloromethane	74-87-3	50.49	20	UD	41.3		
Vinyl Chloride	75-01-4	62.5	20	UD	51.1		
Bromomethane	74-83-9	94.94	20	UD	77.7		
Chloroethane	75-00-3	64.52	20	UD	52.8		
Tetrahydrofuran	109-99-9	72.11	20	UD	59		
Trichlorofluoromethane	75-69-4	137.4	20	UD	112		
Dichlorotetrafluoroethane	76-14-2	170.9	20	UD	139		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	13.6	JD	104		
Bromoethene	593-60-2	106.9	20	UD	87.4		
tert-Butyl alcohol	75-65-0	74.12	20	UD	60.6		
Heptane	142-82-5	100.2	27.6	D	113		
1,1-Dichloroethene	75-35-4	96.94	20	UD	79.3		
Acetone	67-64-1	58.08	20	UD	47.5		
Carbon Disulfide	75-15-0	76.14	20	UD	62.3		
Methyl tert-Butyl Ether	1634-04-4	88.15	20	UD	72.1		
Methylene Chloride	75-09-2	84.94	20	UD	69.5		
trans-1,2-Dichloroethene	156-60-5	96.94	20	UD	79.3		
1,1-Dichloroethane	75-34-3	98.96	61.2	D	247		
Cyclohexane	110-82-7	84.16	34.8	D	119		
2-Butanone	78-93-3	72.11	20	UD	59		
Carbon Tetrachloride	56-23-5	153.8	20	UD	125		
cis-1,2-Dichloroethene	156-59-2	96.94	110	D	436		
Chloroform	67-66-3	119.4	20	UD	97.7		
1,1,1-Trichloroethane	71-55-6	133.4	110	D	600		
2,2,4-Trimethylpentane	540-84-1	114.2	28.4	D	132		
Benzene	71-43-2	78.11	20	UD	63.9		
1,2-Dichloroethane	107-06-2	98.96	20	UD	81		
Trichloroethene	79-01-6	131.4	360	D	1934		
1,2-Dichloropropane	78-87-5	113	20	UD	92.4		
Bromodichloromethane	75-27-4	163.8	20	UD	133		
4-Methyl-2-Pentanone	108-10-1	100.2	20	UD	82		
Toluene	108-88-3	92.14	20	UD	75.4		
t-1,3-Dichloropropene	10061-02-6	111	20	UD	90.8		
cis-1,3-Dichloropropene	10061-01-5	111	20	UD	90.8		
1,1,2-Trichloroethane	79-00-5	133.4	20	UD	109		
Dibromochloromethane	124-48-1	208.3	20	UD	170		
1,2-Dibromoethane	106-93-4	187.9	20	UD	153		
Tetrachloroethene	127-18-4	165.8	4.8	JD	32.6		
Chlorobenzene	108-90-7	112.6	20	UD	92.1		
Ethyl Benzene	100-41-4	106.2	20	UD	86.9		
m/p-Xylene	179601-23-1	106.2	40	UD	173		
o-Xylene	95-47-6	106.2	20	UD	86.9		
Styrene	100-42-5	104.1	20	UD	85.2		
Bromoform	75-25-2	252.8	20	UD	206		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	20	UD	137		

Project: Air Standard Motor Prod. 2-41-016.
 Field ID Number: SVE-INF3DL
 Laboratory ID Number: F1554-03DL

TARGET ANALYTES -
 AIR RESULTS

Sampling Date: 03/04/14
 Analysis Date: 03/07/14

2-Chlorotoluene	95-49-8	126.6	20	UD	103		
1,3,5-Trimethylbenzene	108-67-8	120.2	20	UD	98.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	20	UD	98.3		
1,3-Dichlorobenzene	541-73-1	147	20	UD	120		
1,4-Dichlorobenzene	106-46-7	147	20	UD	120		
1,2-Dichlorobenzene	95-50-1	147	20	UD	120		
1,2,4-Trichlorobenzene	120-82-1	181.5	20	UD	148		
Hexachloro-1,3-Butadiene	87-68-3	260.8	20	UD	213		
Naphthalene	91-20-3	128.17	20	UD	104		
1,3-Butadiene	106-99-0	54.09	20	UD	44.2		
4-Ethyltoluene	622-96-8	120.2	20	UD	98.3		
Hexane	110-54-3	86.17	55.2	D	194		
Allyl Chloride	107-05-1	76.53	20	UD	62.6		
1,4-Dioxane	123-91-1	88.12	20	UD	72.1		
Methyl Methacrylate	80-62-6	100.117	20	UD	81.9		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.64		3.16		
Chloromethane	74-87-3	50.49	0.31	J	0.64		
Vinyl Chloride	75-01-4	62.5	0.57		1.46		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.62		1.64		
Tetrahydrofuran	109-99-9	72.11	1.4		4.13		
Trichlorofluoromethane	75-69-4	137.4	0.28	J	1.57		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.26	J	1.99		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	1.4		5.74		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	45.2	E	107		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	5.1		17.7		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.94		3.8		
Cyclohexane	110-82-7	84.16	0.34	J	1.17		
2-Butanone	78-93-3	72.11	2.1		6.19		
Carbon Tetrachloride	56-23-5	153.8	0.07	J	0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.73		2.89		
Chloroform	67-66-3	119.4	0.82		4		
1,1,1-Trichloroethane	71-55-6	133.4	2.6		14.2		
2,2,4-Trimethylpentane	540-84-1	114.2	0.24	J	1.12		
Benzene	71-43-2	78.11	0.35	J	1.12		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	1.2		6.45		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	1.4		5.28		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.21	J	1.42		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.1	J	0.43		
m/p-Xylene	179601-23-1	106.2	0.36	J	1.56		
o-Xylene	95-47-6	106.2	0.14	J	0.61		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.11	J	0.54		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.5	U	1.76		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	5	UD	12.8		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
Bromoethene	593-60-2	106.9	5	UD	21.9		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	42.1	D	100		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	1.8	JD	5.31		
Carbon Tetrachloride	56-23-5	153.8	5	UD	31.4		
cis-1,2-Dichloroethene	156-59-2	96.94	5	UD	19.8		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	2.1	JD	11.5		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.9	JD	4.84		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	1	JD	3.77		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		
1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	5	UD	33.9		
Chlorobenzene	108-90-7	112.6	5	UD	23		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	5	UD	34.3		

2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.56		2.77		
Chloromethane	74-87-3	50.49	0.27	J	0.56		
Vinyl Chloride	75-01-4	62.5	1		2.56		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	2.2		5.81		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.37	J	2.08		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	2.1		16.1		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	5.4		22.1		
1,1-Dichloroethene	75-35-4	96.94	0.22	J	0.87		
Acetone	67-64-1	58.08	0.5	U	1.19		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	4.1		14.2		
trans-1,2-Dichloroethene	156-60-5	96.94	0.18	J	0.71		
1,1-Dichloroethane	75-34-3	98.96	12.5		50.6		
Cyclohexane	110-82-7	84.16	5.9		20.3		
2-Butanone	78-93-3	72.11	0.29	J	0.86		
Carbon Tetrachloride	56-23-5	153.8	0.06	J	0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	13.5		53.5		
Chloroform	67-66-3	119.4	0.75		3.66		
1,1,1-Trichloroethane	71-55-6	133.4	22.6	E	123		
2,2,4-Trimethylpentane	540-84-1	114.2	3.4		15.9		
Benzene	71-43-2	78.11	0.18	J	0.58		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	33.8	E	181		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	2		7.54		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	1.4		9.49		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.1	J	0.43		
m/p-Xylene	179601-23-1	106.2	0.35	J	1.52		
o-Xylene	95-47-6	106.2	0.18	J	0.78		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.24	J	1.18		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.17	J	0.84		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.1	J	0.49		
Hexane	110-54-3	86.17	9.7		34.2		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.59		2.42		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	5	UD	12.8		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	2.2	JD	16.9		
Bromoethene	593-60-2	106.9	5	UD	21.9		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	4.8	JD	19.7		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	5	UD	11.9		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	11.9	D	48.2		
Cyclohexane	110-82-7	84.16	5.5	D	18.9		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	5	UD	31.4		
cis-1,2-Dichloroethene	156-59-2	96.94	12.3	D	48.8		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	22.6	D	123		
2,2,4-Trimethylpentane	540-84-1	114.2	3.2	JD	15		
Benzene	71-43-2	78.11	5	UD	16		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	32.7	D	175		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	1.7	JD	6.41		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		
1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	1.3	JD	8.82		
Chlorobenzene	108-90-7	112.6	5	UD	23		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	5	UD	34.3		

2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	8.6	D	30.3		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.93		4.6		
Chloromethane	74-87-3	50.49	0.37	J	0.76		
Vinyl Chloride	75-01-4	62.5	0.88		2.25		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	2.7		7.12		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.44	J	2.47		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	2.2		16.9		
Bromoethene	593-60-2	106.9	0.5	U	2.19		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.26	J	1.03		
Acetone	67-64-1	58.08	0.5	U	1.19		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	29.1	E	101		
trans-1,2-Dichloroethene	156-60-5	96.94	0.18	J	0.71		
1,1-Dichloroethane	75-34-3	98.96	9.8		39.7		
Cyclohexane	110-82-7	84.16	20.5	E	70.6		
2-Butanone	78-93-3	72.11	0.11	J	0.32		
Carbon Tetrachloride	56-23-5	153.8	0.5	U	3.15		
cis-1,2-Dichloroethene	156-59-2	96.94	14.7		58.3		
Chloroform	67-66-3	119.4	0.4	J	1.95		
1,1,1-Trichloroethane	71-55-6	133.4	52.7	E	287		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	26.2	E	140		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.07	J	0.26		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		
Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.5	U	3.84		
Tetrachloroethene	127-18-4	165.8	0.5	U	3.39		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.5	U	3.43		

2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.5	U	2.62		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	3.7		13		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	5	UD	12.8		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	2.1	JD	16.1		
Bromoethene	593-60-2	106.9	5	UD	21.9		
tert-Butyl alcohol	75-65-0	74.12	5	UD	15.2		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	5	UD	11.9		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18		
Methylene Chloride	75-09-2	84.94	31.8	D	110		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	9.2	D	37.2		
Cyclohexane	110-82-7	84.16	19	D	65.4		
2-Butanone	78-93-3	72.11	5	UD	14.8		
Carbon Tetrachloride	56-23-5	153.8	5	UD	31.4		
cis-1,2-Dichloroethene	156-59-2	96.94	13.3	D	52.7		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	54.1	D	295		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	24.4	D	131		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		
Dibromochloromethane	124-48-1	208.3	5	UD	42.6		
1,2-Dibromoethane	106-93-4	187.9	5	UD	38.4		
Tetrachloroethene	127-18-4	165.8	5	UD	33.9		
Chlorobenzene	108-90-7	112.6	5	UD	23		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	5	UD	34.3		

2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	5	UD	26.2		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	3.5	JD	12.3		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1	SDG No.:	F1554
Lab Sample ID:	F1554-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022382.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.6	2.97		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.59	1.22		0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	6.5	16.6		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	17.8	47.0	E	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	1.4	7.87		0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	20	153	E	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	57.7	236	E	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.61	2.42		0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.5	1.19	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.17	0.53	J	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	3.2	11.1	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.71	2.82		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	110	445	E	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	63.9	219	E	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.54	1.59		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.06	0.38	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	86.2	341	E	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.5	2.44	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	140	763	E	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	21.7	101	E	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.5	1.6	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	88.7	476	E	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.49	1.85	J	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1	SDG No.:	F1554
Lab Sample ID:	F1554-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022382.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	7.5	50.9		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.56	2.43		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	3.1	15.2		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.22	1.32	J	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.37	2.22	J	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.63	3.1		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	95.3	335	E	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	15.9		*	65 - 135		159%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	859851		6.63				
540-36-3	1,4-Difluorobenzene	3244050		8.32				
3114-55-4	Chlorobenzene-d5	2952120		13.73				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1DL	SDG No.:	F1554
Lab Sample ID:	F1554-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022383.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	5	24.7	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	5	10.3	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	6.3	16.1	D	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	5	19.4	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	17.6	46.4	D	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	5	14.8	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.3	7.31	JD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7	150	D	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5	35.0	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	5	21.9	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	5	15.2	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	63.5	260	D	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	5	11.9	UD	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	5	15.6	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5	18.0	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	5	17.4	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	130	526	D	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	64.1	220	D	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	5	14.8	UD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	5	31.4	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	90.5	358	D	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	5	24.4	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	220	1200	ED	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	25.9	120	D	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	5	16.0	UD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5	20.2	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	99.8	536	D	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	5	23.1	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	5	33.5	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5	20.5	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	5	18.8	UD	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5	27.3	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	5	42.6	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5	38.4	UD	7.69	7.69	38.4	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1DL	SDG No.:	F1554
Lab Sample ID:	F1554-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022383.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	7.4	50.2	D	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	5	23.0	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	5	21.7	UD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	10	43.4	UD	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	5	21.7	UD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	5	21.3	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	5	51.7	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	5	34.3	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	5	25.9	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	3	14.8	JD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5	37.1	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5	53.3	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	5	11.1	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	5	26.2	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	5	24.6	UD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	100	352	D	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	5	15.6	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	5	18.0	UDQ	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	5	20.5	UD	4.09	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11.3			65 - 135		113%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	931970		6.63				
540-36-3	1,4-Difluorobenzene	3290960		8.31				
3114-55-4	Chlorobenzene-d5	3084580		13.72				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

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D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1DL2	SDG No.:	F1554
Lab Sample ID:	F1554-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022376.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	20	98.9	UD	7.91	19.8	98.9	ug/m3
74-87-3	Chloromethane	20	41.3	UD	8.26	8.26	41.3	ug/m3
75-01-4	Vinyl Chloride	20	51.1	UD	3.07	3.07	51.1	ug/m3
74-83-9	Bromomethane	20	77.7	UD	4.66	15.5	77.7	ug/m3
75-00-3	Chloroethane	18.4	48.6	JD	10.6	10.6	52.8	ug/m3
109-99-9	Tetrahydrofuran	20	59.0	UD	11.8	11.8	59.0	ug/m3
75-69-4	Trichlorofluoromethane	20	112	UD	8.99	22.5	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	24	183	D	12.3	30.7	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	20	139	UD	11.2	28.0	139	ug/m3
593-60-2	Bromoethene	20	87.4	UD	5.25	17.5	87.4	ug/m3
75-65-0	tert-Butyl alcohol	20	60.6	UD	12.1	12.1	60.6	ug/m3
142-82-5	Heptane	70	286	D	16.4	16.4	82.0	ug/m3
75-35-4	1,1-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
67-64-1	Acetone	20	47.5	UD	9.5	9.5	47.5	ug/m3
75-15-0	Carbon Disulfide	20	62.3	UD	6.23	12.5	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	20	72.1	UD	7.21	14.4	72.1	ug/m3
75-09-2	Methylene Chloride	20	69.5	UD	6.95	13.9	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
75-34-3	1,1-Dichloroethane	150	607	D	6.48	16.2	81.0	ug/m3
110-82-7	Cyclohexane	69.2	238	D	13.8	13.8	68.8	ug/m3
78-93-3	2-Butanone	20	59.0	UD	11.8	11.8	59.0	ug/m3
56-23-5	Carbon Tetrachloride	20	125	UD	7.55	7.55	125	ug/m3
156-59-2	cis-1,2-Dichloroethene	98.4	390	D	7.93	15.9	79.3	ug/m3
67-66-3	Chloroform	20	97.7	UD	3.91	19.5	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	270	1473	D	6.55	6.55	109	ug/m3
540-84-1	2,2,4-Trimethylpentane	29.2	136	D	7.47	18.7	93.4	ug/m3
71-43-2	Benzene	20	63.9	UD	5.11	12.8	63.9	ug/m3
107-06-2	1,2-Dichloroethane	20	81.0	UD	16.2	16.2	81.0	ug/m3
79-01-6	Trichloroethene	110	591	D	3.22	6.45	107	ug/m3
78-87-5	1,2-Dichloropropane	20	92.4	UD	18.5	18.5	92.4	ug/m3
75-27-4	Bromodichloromethane	20	133	UD	13.4	26.8	133	ug/m3
108-10-1	4-Methyl-2-Pentanone	20	82.0	UD	8.2	16.4	82.0	ug/m3
108-88-3	Toluene	20	75.4	UD	7.54	15.1	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	20	109	UD	21.8	21.8	109	ug/m3
124-48-1	Dibromochloromethane	20	170	UD	17.0	34.1	170	ug/m3
106-93-4	1,2-Dibromoethane	20	153	UD	30.7	30.7	153	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF1DL2	SDG No.:	F1554
Lab Sample ID:	F1554-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022376.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	8.4	57.0	JD	8.14	8.14	135	ug/m3
108-90-7	Chlorobenzene	20	92.1	UD	18.4	18.4	92.1	ug/m3
100-41-4	Ethyl Benzene	20	86.9	UD	17.4	17.4	86.9	ug/m3
179601-23-1	m/p-Xylene	40	173	UD	17.4	34.8	173	ug/m3
95-47-6	o-Xylene	20	86.9	UD	17.4	17.4	86.9	ug/m3
100-42-5	Styrene	20	85.2	UD	17.0	17.0	85.2	ug/m3
75-25-2	Bromoform	20	206	UD	20.7	41.4	206	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	20	137	UD	27.5	27.5	137	ug/m3
95-49-8	2-Chlorotoluene	20	103	UD	20.7	20.7	103	ug/m3
108-67-8	1,3,5-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
106-46-7	1,4-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
95-50-1	1,2-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	20	148	UDQ	11.9	29.7	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	20	213	UD	42.7	42.7	213	ug/m3
106-99-0	1,3-Butadiene	20	44.2	UD	8.85	8.85	44.2	ug/m3
91-20-3	Naphthalene	20	104	UDQ	8.39	21.0	104	ug/m3
622-96-8	4-Ethyltoluene	20	98.3	UD	19.7	19.7	98.3	ug/m3
110-54-3	Hexane	110	387	D	5.64	14.1	70.5	ug/m3
107-05-1	Allyl Chloride	20	62.6	UD	6.26	12.5	62.6	ug/m3
123-91-1	1,4-Dioxane	20	72.1	UDQ	14.4	14.4	72.1	ug/m3
80-62-6	Methyl Methacrylate	20	81.9	UD	16.4	16.4	81.9	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11			65 - 135		110%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	808550		6.62				
540-36-3	1,4-Difluorobenzene	2852660		8.29				
3114-55-4	Chlorobenzene-d5	2753140		13.7				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF2	SDG No.:	F1554
Lab Sample ID:	F1554-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022379.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.61	3.02		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.12	0.25	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	1.6	4.09		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	4.9	12.9		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.8	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	13.0		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.5	2.05	U	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.21	0.83	J	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	2.3	5.46		0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.08	0.29	J	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.98	3.4	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.23	0.91	J	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	12.3	49.8		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.5	1.72	U	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.5	1.47	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.06	0.38	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	7.4	29.3		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.09	0.44	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	23.3	127	E	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.5	2.34	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.09	0.29	J	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	41	220	E	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.08	0.3	J	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF2	SDG No.:	F1554
Lab Sample ID:	F1554-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022379.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.52	3.53		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.5	1.76	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	803589		6.62				
540-36-3	1,4-Difluorobenzene	2774610		8.29				
3114-55-4	Chlorobenzene-d5	2473160		13.71				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF2DL	SDG No.:	F1554
Lab Sample ID:	F1554-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022377.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	20	98.9	UD	7.91	19.8	98.9	ug/m3
74-87-3	Chloromethane	20	41.3	UD	8.26	8.26	41.3	ug/m3
75-01-4	Vinyl Chloride	20	51.1	UD	3.07	3.07	51.1	ug/m3
74-83-9	Bromomethane	20	77.7	UD	4.66	15.5	77.7	ug/m3
75-00-3	Chloroethane	20	52.8	UD	10.6	10.6	52.8	ug/m3
109-99-9	Tetrahydrofuran	20	59.0	UD	11.8	11.8	59.0	ug/m3
75-69-4	Trichlorofluoromethane	20	112	UD	8.99	22.5	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	20	153	UD	12.3	30.7	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	20	139	UD	11.2	28.0	139	ug/m3
593-60-2	Bromoethene	20	87.4	UD	5.25	17.5	87.4	ug/m3
75-65-0	tert-Butyl alcohol	20	60.6	UD	12.1	12.1	60.6	ug/m3
142-82-5	Heptane	20	82.0	UD	16.4	16.4	82.0	ug/m3
75-35-4	1,1-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
67-64-1	Acetone	20	47.5	UD	9.5	9.5	47.5	ug/m3
75-15-0	Carbon Disulfide	20	62.3	UD	6.23	12.5	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	20	72.1	UD	7.21	14.4	72.1	ug/m3
75-09-2	Methylene Chloride	20	69.5	UD	6.95	13.9	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
75-34-3	1,1-Dichloroethane	14	56.7	JD	6.48	16.2	81.0	ug/m3
110-82-7	Cyclohexane	20	68.8	UD	13.8	13.8	68.8	ug/m3
78-93-3	2-Butanone	20	59.0	UD	11.8	11.8	59.0	ug/m3
56-23-5	Carbon Tetrachloride	20	125	UD	7.55	7.55	125	ug/m3
156-59-2	cis-1,2-Dichloroethene	8	31.7	JD	7.93	15.9	79.3	ug/m3
67-66-3	Chloroform	20	97.7	UD	3.91	19.5	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	24.8	135	D	6.55	6.55	109	ug/m3
540-84-1	2,2,4-Trimethylpentane	20	93.4	UD	7.47	18.7	93.4	ug/m3
71-43-2	Benzene	20	63.9	UD	5.11	12.8	63.9	ug/m3
107-06-2	1,2-Dichloroethane	20	81.0	UD	16.2	16.2	81.0	ug/m3
79-01-6	Trichloroethene	43.6	234	D	3.22	6.45	107	ug/m3
78-87-5	1,2-Dichloropropane	20	92.4	UD	18.5	18.5	92.4	ug/m3
75-27-4	Bromodichloromethane	20	133	UD	13.4	26.8	133	ug/m3
108-10-1	4-Methyl-2-Pentanone	20	82.0	UD	8.2	16.4	82.0	ug/m3
108-88-3	Toluene	20	75.4	UD	7.54	15.1	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	20	109	UD	21.8	21.8	109	ug/m3
124-48-1	Dibromochloromethane	20	170	UD	17.0	34.1	170	ug/m3
106-93-4	1,2-Dibromoethane	20	153	UD	30.7	30.7	153	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF2DL	SDG No.:	F1554
Lab Sample ID:	F1554-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022377.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	20	135	UD	8.14	8.14	135	ug/m3
108-90-7	Chlorobenzene	20	92.1	UD	18.4	18.4	92.1	ug/m3
100-41-4	Ethyl Benzene	20	86.9	UD	17.4	17.4	86.9	ug/m3
179601-23-1	m/p-Xylene	40	173	UD	17.4	34.8	173	ug/m3
95-47-6	o-Xylene	20	86.9	UD	17.4	17.4	86.9	ug/m3
100-42-5	Styrene	20	85.2	UD	17.0	17.0	85.2	ug/m3
75-25-2	Bromoform	20	206	UD	20.7	41.4	206	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	20	137	UD	27.5	27.5	137	ug/m3
95-49-8	2-Chlorotoluene	20	103	UD	20.7	20.7	103	ug/m3
108-67-8	1,3,5-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
106-46-7	1,4-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
95-50-1	1,2-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	20	148	UDQ	11.9	29.7	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	20	213	UD	42.7	42.7	213	ug/m3
106-99-0	1,3-Butadiene	20	44.2	UD	8.85	8.85	44.2	ug/m3
91-20-3	Naphthalene	20	104	UDQ	8.39	21.0	104	ug/m3
622-96-8	4-Ethyltoluene	20	98.3	UD	19.7	19.7	98.3	ug/m3
110-54-3	Hexane	20	70.5	UD	5.64	14.1	70.5	ug/m3
107-05-1	Allyl Chloride	20	62.6	UD	6.26	12.5	62.6	ug/m3
123-91-1	1,4-Dioxane	20	72.1	UDQ	14.4	14.4	72.1	ug/m3
80-62-6	Methyl Methacrylate	20	81.9	UD	16.4	16.4	81.9	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	819492		6.62				
540-36-3	1,4-Difluorobenzene	2885660		8.29				
3114-55-4	Chlorobenzene-d5	2656380		13.7				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF3	SDG No.:	F1554
Lab Sample ID:	F1554-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022380.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.55	2.72		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.19	0.39	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	2.8	7.16		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	3	7.92		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	1.2	6.74		0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	11.1	85.1		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	25.2	103	E	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	2	7.93		0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.5	1.19	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.8	6.25	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.2	4.76		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	49.9	201	E	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	32.2	110	E	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.5	1.47	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.5	3.15	U	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	93.1	369	E	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.37	1.81	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	89.5	488	E	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	17.6	82.2	E	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.5	1.6	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	190	1021	E	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.38	1.43	J	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF3	SDG No.:	F1554
Lab Sample ID:	F1554-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022380.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	4.5	30.5		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.44	1.91	J	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.31	1.52	J	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.38	2.28	J	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	48.4	170	E	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	14.1		*	65 - 135		141%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	787447		6.63				
540-36-3	1,4-Difluorobenzene	2902860		8.31				
3114-55-4	Chlorobenzene-d5	2737970		13.72				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF3DL	SDG No.:	F1554
Lab Sample ID:	F1554-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022378.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	20	98.9	UD	7.91	19.8	98.9	ug/m3
74-87-3	Chloromethane	20	41.3	UD	8.26	8.26	41.3	ug/m3
75-01-4	Vinyl Chloride	20	51.1	UD	3.07	3.07	51.1	ug/m3
74-83-9	Bromomethane	20	77.7	UD	4.66	15.5	77.7	ug/m3
75-00-3	Chloroethane	20	52.8	UD	10.6	10.6	52.8	ug/m3
109-99-9	Tetrahydrofuran	20	59.0	UD	11.8	11.8	59.0	ug/m3
75-69-4	Trichlorofluoromethane	20	112	UD	8.99	22.5	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	13.6	104	JD	12.3	30.7	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	20	139	UD	11.2	28.0	139	ug/m3
593-60-2	Bromoethene	20	87.4	UD	5.25	17.5	87.4	ug/m3
75-65-0	tert-Butyl alcohol	20	60.6	UD	12.1	12.1	60.6	ug/m3
142-82-5	Heptane	27.6	113	D	16.4	16.4	82.0	ug/m3
75-35-4	1,1-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
67-64-1	Acetone	20	47.5	UD	9.5	9.5	47.5	ug/m3
75-15-0	Carbon Disulfide	20	62.3	UD	6.23	12.5	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	20	72.1	UD	7.21	14.4	72.1	ug/m3
75-09-2	Methylene Chloride	20	69.5	UD	6.95	13.9	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	20	79.3	UD	7.93	15.9	79.3	ug/m3
75-34-3	1,1-Dichloroethane	61.2	247	D	6.48	16.2	81.0	ug/m3
110-82-7	Cyclohexane	34.8	119	D	13.8	13.8	68.8	ug/m3
78-93-3	2-Butanone	20	59.0	UD	11.8	11.8	59.0	ug/m3
56-23-5	Carbon Tetrachloride	20	125	UD	7.55	7.55	125	ug/m3
156-59-2	cis-1,2-Dichloroethene	110	436	D	7.93	15.9	79.3	ug/m3
67-66-3	Chloroform	20	97.7	UD	3.91	19.5	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	110	600	D	6.55	6.55	109	ug/m3
540-84-1	2,2,4-Trimethylpentane	28.4	132	D	7.47	18.7	93.4	ug/m3
71-43-2	Benzene	20	63.9	UD	5.11	12.8	63.9	ug/m3
107-06-2	1,2-Dichloroethane	20	81.0	UD	16.2	16.2	81.0	ug/m3
79-01-6	Trichloroethene	360	1934	D	3.22	6.45	107	ug/m3
78-87-5	1,2-Dichloropropane	20	92.4	UD	18.5	18.5	92.4	ug/m3
75-27-4	Bromodichloromethane	20	133	UD	13.4	26.8	133	ug/m3
108-10-1	4-Methyl-2-Pentanone	20	82.0	UD	8.2	16.4	82.0	ug/m3
108-88-3	Toluene	20	75.4	UD	7.54	15.1	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	20	90.8	UD	18.2	18.2	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	20	109	UD	21.8	21.8	109	ug/m3
124-48-1	Dibromochloromethane	20	170	UD	17.0	34.1	170	ug/m3
106-93-4	1,2-Dibromoethane	20	153	UD	30.7	30.7	153	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SVE-INF3DL	SDG No.:	F1554
Lab Sample ID:	F1554-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022378.D	40		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	4.8	32.6	JD	8.14	8.14	135	ug/m3
108-90-7	Chlorobenzene	20	92.1	UD	18.4	18.4	92.1	ug/m3
100-41-4	Ethyl Benzene	20	86.9	UD	17.4	17.4	86.9	ug/m3
179601-23-1	m/p-Xylene	40	173	UD	17.4	34.8	173	ug/m3
95-47-6	o-Xylene	20	86.9	UD	17.4	17.4	86.9	ug/m3
100-42-5	Styrene	20	85.2	UD	17.0	17.0	85.2	ug/m3
75-25-2	Bromoform	20	206	UD	20.7	41.4	206	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	20	137	UD	27.5	27.5	137	ug/m3
95-49-8	2-Chlorotoluene	20	103	UD	20.7	20.7	103	ug/m3
108-67-8	1,3,5-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	20	98.3	UD	19.7	19.7	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
106-46-7	1,4-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
95-50-1	1,2-Dichlorobenzene	20	120	UD	24.0	24.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	20	148	UDQ	11.9	29.7	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	20	213	UD	42.7	42.7	213	ug/m3
106-99-0	1,3-Butadiene	20	44.2	UD	8.85	8.85	44.2	ug/m3
91-20-3	Naphthalene	20	104	UDQ	8.39	21.0	104	ug/m3
622-96-8	4-Ethyltoluene	20	98.3	UD	19.7	19.7	98.3	ug/m3
110-54-3	Hexane	55.2	194	D	5.64	14.1	70.5	ug/m3
107-05-1	Allyl Chloride	20	62.6	UD	6.26	12.5	62.6	ug/m3
123-91-1	1,4-Dioxane	20	72.1	UDQ	14.4	14.4	72.1	ug/m3
80-62-6	Methyl Methacrylate	20	81.9	UD	16.4	16.4	81.9	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.9			65 - 135		109%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	776201		6.62				
540-36-3	1,4-Difluorobenzene	2780450		8.29				
3114-55-4	Chlorobenzene-d5	2664070		13.71				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SSDS-INF	SDG No.:	F1554
Lab Sample ID:	F1554-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022372.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.64	3.16		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.31	0.64	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.57	1.46		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.62	1.64		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	1.4	4.13		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.28	1.57	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.26	1.99	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	1.4	5.74		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.5	1.98	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	45.2	107	E	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	5.1	17.7	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.5	1.98	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.94	3.8		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.34	1.17	J	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	2.1	6.19		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.07	0.44	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.73	2.89		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.82	4		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	2.6	14.2		0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.24	1.12	J	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.35	1.12	J	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	1.2	6.45		0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	1.4	5.28		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SSDS-INF	SDG No.:	F1554
Lab Sample ID:	F1554-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022372.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.21	1.42	J	0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.1	0.43	J	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.36	1.56	J	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.14	0.61	J	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.11	0.54	J	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.5	1.76	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	736861		6.62				
540-36-3	1,4-Difluorobenzene	2630220		8.29				
3114-55-4	Chlorobenzene-d5	2229180		13.69				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SSDS-INFDL	SDG No.:	F1554
Lab Sample ID:	F1554-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022373.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	5	24.7	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	5	10.3	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	5	12.8	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	5	19.4	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	5	13.2	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	5	14.8	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5	28.1	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5	38.3	UD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5	35.0	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	5	21.9	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	5	15.2	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	5	20.5	UD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	42.1	100	D	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	5	15.6	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5	18.0	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	5	17.4	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5	20.2	UD	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	5	17.2	UD	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.8	5.31	JD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	5	31.4	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	5	24.4	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	2.1	11.5	JD	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	5	23.4	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	5	16.0	UD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5	20.2	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.9	4.84	JD	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	5	23.1	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	5	33.5	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5	20.5	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	JD	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5	27.3	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	5	42.6	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5	38.4	UD	7.69	7.69	38.4	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	SSDS-INFDL	SDG No.:	F1554
Lab Sample ID:	F1554-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022373.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	5	33.9	UD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	5	23.0	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	5	21.7	UD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	10	43.4	UD	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	5	21.7	UD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	5	21.3	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	5	51.7	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	5	34.3	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	5	25.9	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5	37.1	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5	53.3	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	5	11.1	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	5	26.2	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	5	24.6	UD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	5	17.6	UD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	5	15.6	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	5	18.0	UDQ	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	5	20.5	UD	4.09	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	813340		6.62				
540-36-3	1,4-Difluorobenzene	2865380		8.29				
3114-55-4	Chlorobenzene-d5	2665680		13.69				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-INF	SDG No.:	F1554
Lab Sample ID:	F1554-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022381.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.56	2.77		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.27	0.56	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	1	2.56		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	2.2	5.81		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.37	2.08	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	2.1	16.1		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	5.4	22.1		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.22	0.87	J	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.5	1.19	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	4.1	14.2	B	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.18	0.71	J	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	12.5	50.6		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	5.9	20.3		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.29	0.86	J	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.06	0.38	J	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	13.5	53.5		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.75	3.66		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	22.6	123	E	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	3.4	15.9		0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.18	0.58	J	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	33.8	181	E	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	2	7.54		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-INF	SDG No.:	F1554
Lab Sample ID:	F1554-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022381.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.4	9.49		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.1	0.43	J	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.35	1.52	J	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.18	0.78	J	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.24	1.18	J	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.17	0.84	J	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	J	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	9.7	34.2		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.59	2.42		0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	915027		6.63				
540-36-3	1,4-Difluorobenzene	3211630		8.3				
3114-55-4	Chlorobenzene-d5	2923430		13.71				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-INFDL	SDG No.:	F1554
Lab Sample ID:	F1554-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022374.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	5	24.7	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	5	10.3	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	5	12.8	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	5	19.4	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	5	13.2	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	5	14.8	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5	28.1	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	2.2	16.9	JD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5	35.0	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	5	21.9	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	5	15.2	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	4.8	19.7	JD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	5	11.9	UD	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	5	15.6	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5	18.0	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	5	17.4	UD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	11.9	48.2	D	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	5.5	18.9	D	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	5	14.8	UD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	5	31.4	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	12.3	48.8	D	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	5	24.4	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	22.6	123	D	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	3.2	15.0	JD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	5	16.0	UD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5	20.2	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	32.7	175	D	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	5	23.1	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	5	33.5	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5	20.5	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	1.7	6.41	JD	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5	27.3	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	5	42.6	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5	38.4	UD	7.69	7.69	38.4	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-INFDL	SDG No.:	F1554
Lab Sample ID:	F1554-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022374.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.3	8.82	JD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	5	23.0	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	5	21.7	UD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	10	43.4	UD	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	5	21.7	UD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	5	21.3	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	5	51.7	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	5	34.3	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	5	25.9	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5	37.1	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5	53.3	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	5	11.1	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	5	26.2	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	5	24.6	UD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	8.6	30.3	D	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	5	15.6	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	5	18.0	UDQ	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	5	20.5	UD	4.09	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135		107%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	808829		6.62				
540-36-3	1,4-Difluorobenzene	2869990		8.29				
3114-55-4	Chlorobenzene-d5	2712240		13.7				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-EFF	SDG No.:	F1554
Lab Sample ID:	F1554-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022370.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.93	4.6		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.37	0.76	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.88	2.25		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	2.7	7.12		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.44	2.47	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	2.2	16.9		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.5	2.05	U	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.26	1.03	J	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.5	1.19	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	29.1	101	EB	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.18	0.71	J	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.8	39.7		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	20.5	70.6	E	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.11	0.32	J	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.5	3.15	U	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	14.7	58.3		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.4	1.95	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	52.7	287	E	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.5	2.34	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.5	1.6	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	26.2	140	E	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.07	0.26	J	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-EFF	SDG No.:	F1554
Lab Sample ID:	F1554-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022370.D	1		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.5	3.39	U	0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UQ	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	UQ	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	3.7	13.0		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	UQ	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	877941		6.62				
540-36-3	1,4-Difluorobenzene	3136280		8.29				
3114-55-4	Chlorobenzene-d5	2656830		13.69				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-EFFDL	SDG No.:	F1554
Lab Sample ID:	F1554-06DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022371.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	5	24.7	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	5	10.3	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	5	12.8	UD	0.77	0.77	12.8	ug/m3
74-83-9	Bromomethane	5	19.4	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	5	13.2	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	5	14.8	UD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5	28.1	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	2.1	16.1	JD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5	35.0	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	5	21.9	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	5	15.2	UD	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	5	20.5	UD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	5	11.9	UD	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	5	15.6	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5	18.0	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	31.8	110	DB	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5	19.8	UD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	9.2	37.2	D	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	19	65.4	D	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	5	14.8	UD	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	5	31.4	UD	1.89	1.89	31.4	ug/m3
156-59-2	cis-1,2-Dichloroethene	13.3	52.7	D	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	5	24.4	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	54.1	295	D	1.64	1.64	27.3	ug/m3
540-84-1	2,2,4-Trimethylpentane	5	23.4	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	5	16.0	UD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5	20.2	UD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	24.4	131	D	0.81	1.61	26.9	ug/m3
78-87-5	1,2-Dichloropropane	5	23.1	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	5	33.5	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5	20.5	UD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	5	18.8	UD	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5	22.7	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5	27.3	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	5	42.6	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	5	38.4	UD	7.69	7.69	38.4	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	03/04/14
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	03/05/14
Client Sample ID:	GAC-EFFDL	SDG No.:	F1554
Lab Sample ID:	F1554-06DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022371.D	10		03/07/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	5	33.9	UD	2.03	2.03	33.9	ug/m3
108-90-7	Chlorobenzene	5	23.0	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	5	21.7	UD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	10	43.4	UD	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	5	21.7	UD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	5	21.3	UD	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	5	51.7	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	5	34.3	UD	6.87	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	5	25.9	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5	24.6	UD	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5	30.1	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5	37.1	UDQ	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5	53.3	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	5	11.1	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	5	26.2	UDQ	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	5	24.6	UD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	3.5	12.3	JD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	5	15.6	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	5	18.0	UDQ	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	5	20.5	UD	4.09	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135		105%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	846657		6.62				
540-36-3	1,4-Difluorobenzene	3042380		8.29				
3114-55-4	Chlorobenzene-d5	2753150		13.69				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

QC SUMMARY

Surrogate Summary

SDG No.: F1554Client: CDM SmithAnalytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
F1533-09DUP	IA-2DUP	1-Bromo-4-Fluorobenzene	10	10.77	108		65	135
F1554-01	SVE-INF1	1-Bromo-4-Fluorobenzene	10	15.88	159	*	65	135
F1554-01DL	SVE-INF1DL	1-Bromo-4-Fluorobenzene	10	11.26	113		65	135
F1554-01DL2	SVE-INF1DL2	1-Bromo-4-Fluorobenzene	10	11	110		65	135
F1554-02	SVE-INF2	1-Bromo-4-Fluorobenzene	10	10.33	103		65	135
F1554-02DL	SVE-INF2DL	1-Bromo-4-Fluorobenzene	10	10.58	106		65	135
F1554-03	SVE-INF3	1-Bromo-4-Fluorobenzene	10	14.09	141	*	65	135
F1554-03DL	SVE-INF3DL	1-Bromo-4-Fluorobenzene	10	10.9	109		65	135
F1554-04	SSDS-INF	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135
F1554-04DL	SSDS-INFDL	1-Bromo-4-Fluorobenzene	10	10.61	106		65	135
F1554-05	GAC-INF	1-Bromo-4-Fluorobenzene	10	10.82	108		65	135
F1554-05DL	GAC-INFDL	1-Bromo-4-Fluorobenzene	10	10.69	107		65	135
F1554-06	GAC-EFF	1-Bromo-4-Fluorobenzene	10	10.26	103		65	135
F1554-06DL	GAC-EFFDL	1-Bromo-4-Fluorobenzene	10	10.483	105		65	135
VL0306ABL	VL0306ABL	1-Bromo-4-Fluorobenzene	10	10.71	107		65	135
VL0306ABS	VL0306ABS	1-Bromo-4-Fluorobenzene	10	11.06	111		65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1554

Client: CDM Smith

Analytical Method: SWTO-15 Datafile : VL022361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VL0306ABS	Dichlorodifluoromethane	10	9.8	ppbv	98			70	130	
	Chloromethane	10	8.9	ppbv	89			70	130	
	Vinyl Chloride	10	9	ppbv	90			70	130	
	Bromomethane	10	9.3	ppbv	93			70	130	
	Chloroethane	10	9.1	ppbv	91			70	130	
	Tetrahydrofuran	10	7.8	ppbv	78			70	130	
	Trichlorofluoromethane	10	8.9	ppbv	89			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.1	ppbv	91			70	130	
	Dichlorotetrafluoroethane	10	9.1	ppbv	91			70	130	
	Bromoethene	10	9.9	ppbv	99			70	130	
	tert-Butyl Alcohol	10	10.2	ppbv	102			70	130	
	Heptane	10	8.4	ppbv	84			70	130	
	1,1-Dichloroethene	10	9.3	ppbv	93			70	130	
	Acetone	10	8	ppbv	80			70	130	
	Carbon disulfide	10	9.4	ppbv	94			70	130	
	Methyl tert-butyl Ether	10	9.2	ppbv	92			70	130	
	Methylene Chloride	10	7	ppbv	70			70	130	
	trans-1,2-Dichloroethene	10	9.4	ppbv	94			70	130	
	1,1-Dichloroethane	10	8.8	ppbv	88			70	130	
	Cyclohexane	10	9.2	ppbv	92			70	130	
	2-Butanone	10	7.7	ppbv	77			70	130	
	Carbon Tetrachloride	10	8.3	ppbv	83			70	130	
	cis-1,2-Dichloroethene	10	9	ppbv	90			70	130	
	Chloroform	10	8.9	ppbv	89			70	130	
	1,1,1-Trichloroethane	10	9	ppbv	90			70	130	
	2,2,4-Trimethylpentane	10	8.3	ppbv	83			70	130	
	Benzene	10	8.1	ppbv	81			70	130	
	1,2-Dichloroethane	10	7.8	ppbv	78			70	130	
	Trichloroethene	10	8.2	ppbv	82			70	130	
	1,2-Dichloropropane	10	7.9	ppbv	79			70	130	
	Bromodichloromethane	10	8.2	ppbv	82			70	130	
	4-Methyl-2-Pentanone	10	7.6	ppbv	76			70	130	
	Toluene	10	8.3	ppbv	83			70	130	
	t-1,3-Dichloropropene	10	8.7	ppbv	87			70	130	
	cis-1,3-Dichloropropene	10	8.6	ppbv	86			70	130	
	1,1,2-Trichloroethane	10	8.2	ppbv	82			70	130	
	Dibromochloromethane	10	8.6	ppbv	86			70	130	
	1,2-Dibromoethane	10	8.4	ppbv	84			70	130	
	Tetrachloroethene	10	8.3	ppbv	83			70	130	
	Chlorobenzene	10	8.5	ppbv	85			70	130	
	Ethyl Benzene	10	8.6	ppbv	86			70	130	
	m/p-Xylene	20	16.8	ppbv	84			70	130	
	o-Xylene	10	8.5	ppbv	85			70	130	
	Styrene	10	8.9	ppbv	89			70	130	
	Bromoform	10	8.7	ppbv	87			70	130	
	1,1,2,2-Tetrachloroethane	10	7.9	ppbv	79			70	130	
	2-Chlorotoluene	10	8.7	ppbv	87			70	130	
	1,3,5-Trimethylbenzene	10	8.3	ppbv	83			70	130	
	1,2,4-Trimethylbenzene	10	8.1	ppbv	81			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1554
Client: CDM Smith
Analytical Method: SWTO-15

Datafile : VL022361.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VL0306ABS	1,3-Dichlorobenzene	10	8	ppbv	80			70	130	
	1,4-Dichlorobenzene	10	8.1	ppbv	81			70	130	
	1,2-Dichlorobenzene	10	7.9	ppbv	79			70	130	
	1,2,4-Trichlorobenzene	10	6.8	ppbv	68	*		70	130	
	Hexachloro-1,3-butadiene	10	7.2	ppbv	72			70	130	
	Naphthalene	10	6.7	ppbv	67	*		70	130	
	1,3-Butadiene	10	8.6	ppbv	86			70	130	
	4-Ethyltoluene	10	8.4	ppbv	84			70	130	
	Hexane	10	8.8	ppbv	88			70	130	
	Allyl Chloride	10	9.3	ppbv	93			70	130	
	1,4-Dioxane	10	16.3	ppbv	163	*		70	130	
	Methyl methacrylate	10	8.4	ppbv	84			70	130	

Duplicate Sample Summary

Lab Sample Id :	F1533-09DUP	F1533-09
Client Id :	IA-2DUP	IA-2
DF :	1	1
Datafile :	VL022364.D	VL022363.D
Anal Date & Time :	03/06/2014 21:28	03/06/2014 20:47

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0.42	0.4	4.9
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0.13	0.12	8
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0.42	0.42	0
2-Butanone	0.28	0.3	6.9
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0.16	0.16	0
4-Methyl-2-Pentanone	0	0	0
Acetone	7.6	7.7	1.3
Allyl Chloride	0	0	0
Benzene	0.79	0.8	1.3
Bromodichloromethane	0	0	0
Bromoethene	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0

Duplicate Sample Summary

Lab Sample Id :	F1533-09DUP	F1533-09
Client Id :	IA-2DUP	IA-2
DF :	1	1
Datafile :	VL022364.D	VL022363.D
Anal Date & Time :	03/06/2014 21:28	03/06/2014 20:47

Parameter	Result	Result	RPD
Carbon Tetrachloride	0.06	0.06	0
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.52	0.5	3.9
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0.48	0.49	2.1
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.6	0.61	1.7
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0.81	0.78	3.8
Heptane	0.53	0.53	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	1.5	1.5	0
m/p-Xylene	4.1	4	2.5
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	2.1	2	4.9
Naphthalene	0	0	0
o-Xylene	1.2	1.1	8.7
Styrene	0.09	0	200 *
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.13	0.14	7.4
Tetrahydrofuran	0	0	0
Toluene	4.9	5	2
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.25	0.25	0
Vinyl Chloride	0	0	0

Duplicate Sample Summary

Lab Sample Id :

F1533-09DUP

F1533-09

Client Id :

IA-2DUP

IA-2

DF :

1

1

Datafile :

VL022364.D

VL022363.D

Anal Date & Time :

03/06/2014

21:28

03/06/2014

20:47

Parameter	Result	Result	RPD

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0306ABL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: F1554

SAS No.: F1554 SDG NO.: F1554

Lab File ID: VL022360.D

Lab Sample ID: VL0306ABL

Date Analyzed: 03/06/2014

Time Analyzed: 17:25

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0306ABS	VL0306ABS	VL022361.D	03/06/2014
IA-2DUP	F1533-09DUP	VL022364.D	03/06/2014
GAC-EFF	F1554-06	VL022370.D	03/07/2014
GAC-EFFDL	F1554-06DL	VL022371.D	03/07/2014
SSDS-INF	F1554-04	VL022372.D	03/07/2014
SSDS-INFDL	F1554-04DL	VL022373.D	03/07/2014
GAC-INFDL	F1554-05DL	VL022374.D	03/07/2014
SVE-INF1DL2	F1554-01DL2	VL022376.D	03/07/2014
SVE-INF2DL	F1554-02DL	VL022377.D	03/07/2014
SVE-INF3DL	F1554-03DL	VL022378.D	03/07/2014
SVE-INF2	F1554-02	VL022379.D	03/07/2014
SVE-INF3	F1554-03	VL022380.D	03/07/2014
GAC-INF	F1554-05	VL022381.D	03/07/2014
SVE-INF1	F1554-01	VL022382.D	03/07/2014
SVE-INF1DL	F1554-01DL	VL022383.D	03/07/2014

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG NO.: F1554
Lab File ID: VL022267.D BFB Injection Date: 03/03/2014
Instrument ID: MSVOA_L BFB Injection Time: 13:47
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.6
75	30.0 - 66.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	70.4
175	4.0 - 9.0% of mass 174	5.2 (7.4) 1
176	93.0 - 101.0% of mass 174	68.3 (97.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL022268.D	03/03/2014	14:29
VSTDICCC002	VSTDICCC002	VL022269.D	03/03/2014	15:26
VSTDICCC0.1	VSTDICCC0.1	VL022270.D	03/03/2014	16:05
VSTDICCC0.03	VSTDICCC0.03	VL022271.D	03/03/2014	16:43
VSTDICCC001	VSTDICCC001	VL022272.D	03/03/2014	17:22
VSTDICCC0.5	VSTDICCC0.5	VL022273.D	03/03/2014	17:58
VSTDICCC015	VSTDICCC015	VL022274.D	03/03/2014	18:40

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG NO.: F1554
Lab File ID: VL022358.D BFB Injection Date: 03/06/2014
Instrument ID: MSVOA_L BFB Injection Time: 14:27
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21
75	30.0 - 66.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	74
175	4.0 - 9.0% of mass 174	5.4 (7.3) 1
176	93.0 - 101.0% of mass 174	71.9 (97.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL022359.D	03/06/2014	15:08
VL0306ABL	VL0306ABL	VL022360.D	03/06/2014	17:25
VL0306ABS	VL0306ABS	VL022361.D	03/06/2014	18:44
IA-2DUP	F1533-09DUP	VL022364.D	03/06/2014	21:28
GAC-EFF	F1554-06	VL022370.D	03/07/2014	01:26
GAC-EFFDL	F1554-06DL	VL022371.D	03/07/2014	02:06
SSDS-INF	F1554-04	VL022372.D	03/07/2014	02:47
SSDS-INFDL	F1554-04DL	VL022373.D	03/07/2014	03:27
GAC-INFDL	F1554-05DL	VL022374.D	03/07/2014	04:07
SVE-INF1DL2	F1554-01DL2	VL022376.D	03/07/2014	05:26
SVE-INF2DL	F1554-02DL	VL022377.D	03/07/2014	06:05
SVE-INF3DL	F1554-03DL	VL022378.D	03/07/2014	06:45
SVE-INF2	F1554-02	VL022379.D	03/07/2014	08:20
SVE-INF3	F1554-03	VL022380.D	03/07/2014	09:01
GAC-INF	F1554-05	VL022381.D	03/07/2014	10:17
SVE-INF1	F1554-01	VL022382.D	03/07/2014	10:57
SVE-INF1DL	F1554-01DL	VL022383.D	03/07/2014	12:15

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG NO.: F1554
 Lab File ID: VL022359.D Date Analyzed: 03/06/2014
 Instrument ID: MSVOA_L Time Analyzed: 15:08
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1021170	6.60	3646020	8.27	3390370	13.68
UPPER LIMIT	1429640	6.93	5104430	8.60	4746520	14.01
LOWER LIMIT	612704	6.27	2187610	7.94	2034220	13.35
EPA SAMPLE NO.						
IA-2DUP	756054	6.60	2717930	8.27	2114620	13.68
SVE-INF1	859851	6.63	3244050	8.32	2952120	13.73
SVE-INF1DL	931970	6.63	3290960	8.31	3084580	13.72
SVE-INF1DL2	808550	6.62	2852660	8.29	2753140	13.70
SVE-INF2	803589	6.62	2774610	8.29	2473160	13.71
SVE-INF2DL	819492	6.62	2885660	8.29	2656380	13.70
SVE-INF3	787447	6.63	2902860	8.31	2737970	13.72
SVE-INF3DL	776201	6.62	2780450	8.29	2664070	13.71
SSDS-INF	736861	6.62	2630220	8.29	2229180	13.69
SSDS-INFDL	813340	6.62	2865380	8.29	2665680	13.69
GAC-INF	915027	6.63	3211630	8.30	2923430	13.71
GAC-INFDL	808829	6.62	2869990	8.29	2712240	13.70
GAC-EFF	877941	6.62	3136280	8.29	2656830	13.69
GAC-EFFDL	846657	6.62	3042380	8.29	2753150	13.69
VL0306ABL	944073	6.60	3364080	8.27	3126060	13.68
VL0306ABS	920245	6.60	3286990	8.27	3006980	13.68

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
 AREA LOWER LIMIT = -40% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	
Client Sample ID:	VL0306ABL	SDG No.:	F1554
Lab Sample ID:	VL0306ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022360.D	1		03/06/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.5	2.47	U	0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.5	1.03	U	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.5	1.28	U	0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	0.5	1.94	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.5	1.32	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.5	1.47	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.5	2.81	U	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	3.83	U	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	U	0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.5	2.19	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.5	1.52	U	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.5	2.05	U	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.5	1.98	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.5	1.19	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.5	1.56	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.33	1.15	J	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.5	1.98	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.5	2.02	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.5	1.72	U	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.5	1.47	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.5	3.15	U	0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.5	1.98	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.5	2.44	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.5	2.73	U	0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.5	2.34	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.5	1.6	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.5	2.02	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.5	2.69	U	0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	0.5	2.31	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.5	3.35	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.5	1.88	U	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.5	2.27	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.5	2.73	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.5	4.26	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.5	3.84	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	
Client Sample ID:	VL0306ABL	SDG No.:	F1554
Lab Sample ID:	VL0306ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022360.D	1		03/06/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.5	3.39	U	0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	0.5	2.3	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.5	2.17	U	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.5	2.13	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.5	5.17	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.5	3.43	U	0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.5	2.59	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.5	3.01	U	0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	U	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.5	5.33	U	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.5	1.11	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.5	2.62	U	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.5	2.46	U	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.5	1.76	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.5	1.57	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.5	1.8	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.5	2.05	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135		107%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	944073		6.6				
540-36-3	1,4-Difluorobenzene	3364080		8.27				
3114-55-4	Chlorobenzene-d5	3126060		13.68				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	
Client Sample ID:	VL0306ABS	SDG No.:	F1554
Lab Sample ID:	VL0306ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022361.D	1		03/06/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	9.8	48.5		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	8.9	18.4		0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9	23.0		0.08	0.08	1.28	ug/m3
74-83-9	Bromomethane	9.3	36.1		0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	9.1	24.0		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	7.8	23		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	8.9	50.0		0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.1	69.8		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.1	63.6		0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	9.9	43.3		0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	10.2	30.9		0.3	0.3	1.52	ug/m3
142-82-5	Heptane	8.4	34.4		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.3	36.9		0.2	0.4	1.98	ug/m3
67-64-1	Acetone	8	19		0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	9.4	29.3		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.2	33.2		0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	7	24.3		0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.4	37.3		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	8.8	35.6		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	9.2	31.7		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	7.7	22.7		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	8.3	52.2		0.19	0.19	3.15	ug/m3
156-59-2	cis-1,2-Dichloroethene	9	35.7		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	8.9	43.5		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9	49.1		0.16	0.16	2.73	ug/m3
540-84-1	2,2,4-Trimethylpentane	8.3	38.8		0.19	0.47	2.34	ug/m3
71-43-2	Benzene	8.1	25.9		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	7.8	31.6		0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	8.2	44.1		0.11	0.16	2.69	ug/m3
78-87-5	1,2-Dichloropropane	7.9	36.5		0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	8.2	54.9		0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	7.6	31.2		0.2	0.41	2.05	ug/m3
108-88-3	Toluene	8.3	31.3		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.7	39.5		0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	8.6	39.0		0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	8.2	44.7		0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	8.6	73.3		0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	8.4	64.6		0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Air Standand Motor Prod. 2-41-016.	Date Received:	
Client Sample ID:	VL0306ABS	SDG No.:	F1554
Lab Sample ID:	VL0306ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL022361.D	1		03/06/14	VL030614

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	8.3	56.3		0.2	0.2	3.39	ug/m3
108-90-7	Chlorobenzene	8.5	39.2		0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	8.6	37.4		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	16.8	73.0		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	8.5	36.9		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	8.9	37.9		0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	8.7	90.0		0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	7.9	54.2		0.69	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	8.7	45.0		0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	8.3	40.8		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	8.1	39.8		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	8	48.1		0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	8.1	48.7		0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	7.9	47.5		0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	6.8	50.5		0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	7.2	76.8		1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	8.6	19.0		0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	6.7	35.1		0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	8.4	41.3		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	8.8	31.0		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	9.3	29.1		0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	16.3	58.8	E	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	8.4	34.4		0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11.1			65 - 135		111%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	920245		6.6				
540-36-3	1,4-Difluorobenzene	3286990		8.27				
3114-55-4	Chlorobenzene-d5	3006980		13.68				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG No.: F1554
 Instrument ID: MSVOA_L Calibration Date(s): 03/03/2014 03/03/2014
 Heated Purge: (Y/N) N Calibration Time(s): 14:29 18:40
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:	RRF010 = VL022268.D	RRF002 = VL022269.D	RRF0.1 = VL022270.D					
	RRF.03 = VL022271.D	RRF001 = VL022272.D	RRF0.5 = VL022273.D					
COMPOUND	RRF010	RRF002	RRF0.1	RRF.03	RRF001	RRF0.5	RRF	% RSD
Dichlorodifluoromethane	2.340	2.436			2.464	2.390	2.274	13.3
Chloromethane	0.682	0.725			0.690	0.693	0.698	2.3
Vinyl Chloride	0.742	0.784	0.791	0.839	0.742	0.747	0.775	4.5
Bromomethane	0.532	0.559			0.540	0.546	0.548	2.2
Chloroethane	0.333	0.342			0.334	0.334	0.338	2
Tetrahydrofuran	0.350	0.340			0.309	0.302	0.331	7.3
Trichlorofluoromethane	2.342	2.403			2.491	2.524	2.450	3.1
1,1,2-Trichlorotrifluoroethane	1.568	1.583			1.603	1.613	1.604	2
Dichlorotetrafluoroethane	1.990	2.074			2.078	2.067	2.060	1.9
Bromoethene	0.628	0.648			0.603	0.608	0.631	4.2
tert-Butyl alcohol	1.212	1.162			1.007	1.433	1.254	15.1
Heptane	2.115	2.116			2.011	1.982	2.072	3.4
1,1-Dichloroethene	0.880	0.889			0.868	0.885	0.890	2.5
Acetone	1.276	1.467			1.467	1.496	1.407	6.9
Carbon Disulfide	1.516	1.443			1.258	1.141	1.378	12.4
Methyl tert-Butyl Ether	2.735	2.684			2.553	2.513	2.661	4.8
Methylene Chloride	0.759	0.872			1.051	1.370	0.965	26.4
trans-1,2-Dichloroethene	0.892	0.881			0.840	0.859	0.881	3.9
1,1-Dichloroethane	1.757	1.774			1.760	1.735	1.767	1.6
Cyclohexane	1.337	1.329			1.301	1.309	1.335	2.8
2-Butanone	0.592	0.585			0.544	0.552	0.575	4.5
Carbon Tetrachloride	0.746	0.702	0.670	0.755	0.685	0.651	0.712	6.7
cis-1,2-Dichloroethene	1.340	1.331			1.258	1.231	1.309	4.9
Chloroform	2.150	2.130			2.139	2.159	2.163	2
1,1,1-Trichloroethane	2.224	2.172	2.146	2.472	2.122	2.126	2.227	5.8
2,2,4-Trimethylpentane	1.460	1.466			1.388	1.329	1.422	4.3
Benzene	0.948	0.939			0.891	0.901	0.930	3.7
1,2-Dichloroethane	0.572	0.554			0.552	0.540	0.562	3.7
Trichloroethene	0.418	0.403	0.399	0.483	0.392	0.386	0.418	8.2
1,2-Dichloropropane	0.337	0.333			0.317	0.315	0.329	3.6
Bromodichloromethane	0.785	0.747			0.710	0.655	0.741	8.2
4-Methyl-2-Pentanone	0.837	0.815			0.742	0.725	0.793	7
Toluene	1.217	1.175		1.204	1.113	1.078	1.175	5.9

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG No.: F1554
 Instrument ID: MSVOA_L Calibration Date(s): 03/03/2014 03/03/2014
 Heated Purge: (Y/N) N Calibration Time(s): 14:29 18:40
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:	RRF010 = VL022268.D	RRF002 = VL022269.D	RRF0.1 = VL022270.D					
	RRF.03 = VL022271.D	RRF001 = VL022272.D	RRF0.5 = VL022273.D					
COMPOUND	RRF010	RRF002	RRF0.1	RRF.03	RRF001	RRF0.5	RRF	% RSD
t-1,3-Dichloropropene	0.575	0.514			0.443	0.409	0.508	16.1
cis-1,3-Dichloropropene	0.628	0.577			0.510	0.469	0.566	13.4
1,1,2-Trichloroethane	0.367	0.355			0.344	0.343	0.358	4.7
Dibromochloromethane	0.663	0.603			0.554	0.499	0.602	13.1
1,2-Dibromoethane	1.117	1.063			1.025	1.006	1.076	6.3
Tetrachloroethene	0.422	0.399	0.414	0.468	0.387	0.380	0.417	7.8
Chlorobenzene	0.998	1.009			1.032	1.044	1.008	3.3
Ethyl Benzene	1.734	1.736			1.690	1.642	1.691	2.6
m/p-Xylene	1.427	1.438		0.224	1.432	1.389	1.210	40
o-Xylene	1.319	1.319			1.298	1.256	1.290	2.5
Styrene	1.135	1.095		0.879	1.024	0.954	1.030	9.5
Bromoform	0.715	0.628			0.551	0.476	0.626	18.6
1,1,2,2-Tetrachloroethane	0.990	1.000			0.993	0.983	0.979	2.9
2-Chlorotoluene	1.421	1.392			1.342	1.312	1.364	3.1
1,3,5-Trimethylbenzene	1.789	1.774			1.753	1.662	1.738	3
1,2,4-Trimethylbenzene	1.786	1.791			1.757	1.729	1.754	2.1
1,3-Dichlorobenzene	1.151	1.134			1.144	1.130	1.136	1.1
1,4-Dichlorobenzene	1.148	1.125			1.122	1.048	1.113	3.4
1,2-Dichlorobenzene	1.078	1.062			1.065	1.045	1.059	1.3
1,2,4-Trichlorobenzene	0.690	0.625			0.575	0.596	0.638	8.9
Hexachloro-1,3-Butadiene	0.634	0.630			0.652	0.694	0.651	3.9
1,3-Butadiene	0.628	0.665			0.642	0.643	0.646	2.1
Naphthalene	1.809	1.680			1.523	1.446	1.649	9.7
4-Ethyltoluene	1.765	1.737			1.697	1.598	1.696	3.8
1-Bromo-4-Fluorobenzene	0.708	0.755	0.781	0.783	0.781	0.775	0.748	6.5
Hexane	1.386	1.401			1.327	1.333	1.372	2.9
Allyl Chloride	0.772	0.758			0.709	0.731	0.752	4.2
1,4-Dioxane	0.069	0.083	0.010		0.083	0.083	0.065	44
Methyl Methacrylate	0.377	0.352			0.321	0.302	0.348	10.3

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG No.: F1554
 Instrument ID: MSVOA_L Calibration Date/Time: 03/06/2014 15:08
 Lab File ID: VL022359.D Init. Calib. Date(s): 03/03/2014 03/03/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:29 18:40
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.274	1.918		-15.65	30
Chloromethane	0.698	0.645		-7.59	30
Vinyl Chloride	0.775	0.717		-7.48	30
Bromomethane	0.548	0.506		-7.66	30
Chloroethane	0.338	0.314		-7.1	30
Tetrahydrofuran	0.331	0.274		-17.22	30
Trichlorofluoromethane	2.450	2.053		-16.2	30
1,1,2-Trichlorotrifluoroethane	1.604	1.418		-11.6	30
Dichlorotetrafluoroethane	2.060	1.863		-9.56	30
Bromoethene	0.631	0.603		-4.44	30
tert-Butyl alcohol	1.254	1.344		7.18	30
Heptane	2.072	1.831		-11.63	30
1,1-Dichloroethene	0.890	0.823		-7.53	30
Acetone	1.407	1.117		-20.61	30
Carbon Disulfide	1.378	1.290		-6.39	30
Methyl tert-Butyl Ether	2.661	2.491		-6.39	30
Methylene Chloride	0.965	0.678		-29.74	30
trans-1,2-Dichloroethene	0.881	0.847		-3.86	30
1,1-Dichloroethane	1.767	1.592		-9.9	30
Cyclohexane	1.335	1.272		-4.72	30
2-Butanone	0.575	0.460		-20	30
Carbon Tetrachloride	0.712	0.580		-18.54	30
cis-1,2-Dichloroethene	1.309	1.212		-7.41	30
Chloroform	2.163	1.946		-10.03	30
1,1,1-Trichloroethane	2.227	1.988		-10.73	30
2,2,4-Trimethylpentane	1.422	1.182		-16.88	30
Benzene	0.930	0.796		-14.41	30
1,2-Dichloroethane	0.562	0.443		-21.17	30
Trichloroethene	0.418	0.356		-14.83	30
1,2-Dichloropropane	0.329	0.277		-15.81	30
Bromodichloromethane	0.741	0.614		-17.14	30
4-Methyl-2-Pentanone	0.793	0.634		-20.05	30
Toluene	1.175	1.011		-13.96	30
t-1,3-Dichloropropene	0.508	0.449		-11.61	30
cis-1,3-Dichloropropene	0.566	0.504		-10.95	30
1,1,2-Trichloroethane	0.358	0.303		-15.36	30
Dibromochloromethane	0.602	0.524		-12.96	30
1,2-Dibromoethane	1.076	0.913		-15.15	30
Tetrachloroethene	0.417	0.355		-14.87	30
Chlorobenzene	1.008	0.866		-14.09	30
Ethyl Benzene	1.691	1.479		-12.54	30
m/p-Xylene	1.210	1.192		-1.49	30

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1554 SAS No.: F1554 SDG No.: F1554
 Instrument ID: MSVOA_L Calibration Date/Time: 03/06/2014 15:08
 Lab File ID: VL022359.D Init. Calib. Date(s): 03/03/2014 03/03/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:29 18:40
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
o-Xylene	1.290	1.090		-15.5	30
Styrene	1.030	0.952		-7.57	30
Bromoform	0.626	0.549		-12.3	30
1,1,2,2-Tetrachloroethane	0.979	0.788		-19.51	30
2-Chlorotoluene	1.364	1.143		-16.2	30
1,3,5-Trimethylbenzene	1.738	1.422		-18.18	30
1,2,4-Trimethylbenzene	1.754	1.387		-20.92	30
1,3-Dichlorobenzene	1.136	0.901		-20.69	30
1,4-Dichlorobenzene	1.113	0.903		-18.87	30
1,2-Dichlorobenzene	1.059	0.836		-21.06	30
1,2,4-Trichlorobenzene	0.638	0.525		-17.71	30
Hexachloro-1,3-Butadiene	0.651	0.472		-27.5	30
1,3-Butadiene	0.646	0.564		-12.69	30
Naphthalene	1.649	1.348		-18.25	30
4-Ethyltoluene	1.696	1.416		-16.51	30
1-Bromo-4-Fluorobenzene	0.748	0.817		9.23	30
Hexane	1.372	1.266		-7.73	30
Allyl Chloride	0.752	0.673		-10.51	30
1,4-Dioxane	0.065	0.073		12.31	30
Methyl Methacrylate	0.348	0.306		-12.07	30

All other compounds must meet a minimum RRF of 0.010.

SHIPPING DOCUMENTS

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #: SVE-INF1
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15
Comments: SVE WELL - LEG 1

CHEN Storage Location: Air Lab

Date Sample: F1554-F1554-01

Disposal: _____

Cust Sample: SVE-INF1

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #: SVE-INF2
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15
Comments: SVE WELL - LEG 2

CHEN Storage Location: Air Lab

Date Sample: F1554-F1554-02

Disposal: _____

Cust Sample: SVE-INF2

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #: SVE-INF3
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15
Comments: _____

CHEN Storage Location: Air Lab

Date Sample: F1554-F1554-03

Disposal: _____

Cust Sample: SVE-INF3

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922

Client Sample ID #: SSDS-INF
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15

Storage Location: Air Lab

Sample: F1554-F1554-04

Cust Sample: SSDS-INF

of Disposal:

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922

Client Sample ID #: GAC-INF
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15

Storage Location: Air Lab

Sample: F1554-F1554-05

Cust Sample: GAC-INF

of Disposal:

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922

Client Sample ID #: GAC-EFF
Client Name: CDM SMITH
Project Name: STANDARD MOTOR PRODUCTS
Date: 3/4/14 Time: _____
Analysis: TO-15

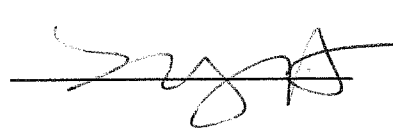
Comment

Storage Location: Air Lab

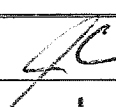
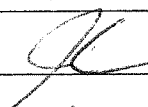
Sample: F1554-F1554-06

Cust Sample: GAC-EFF

of Disposal:

AIR SAMPLE PRESSURE & DILUTION LOGBOOKAnalyst Signature: Supervisor Signature: 

METHOD: TO-15

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
3/4/14	F1533-01	10328	13.2	-3.1				
	F1533-02	10404	12.2	-5.1				
	F1533-03	10313	12.2	-5.1				
	F1533-04	10411	13.4	-2.7				
	F1533-05	10155	11.4	-6.7				
	F1533-06	10050	14.2	-1.0				
	F1533-07	10285	10.8	-8.0				
	F1533-08	10295	11.8	-5.9				
	F1533-09	10283	11.4	-6.7				
	F1533-10	10260	10.6	-8.4				
3/5/14	F1554-01	10447	12.6	-4.3				
	F1554-02	10606	13.6	-2.2				
	F1554-03	10445	12.8	-3.9				
	F1554-04	10543	11.6	-6.3				
	F1554-05	10405	12.8	-3.9				
	F1554-06	10601	13.0	-3.5				

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech

Location: 284 Sheffield Street, Mountainside, NJ 7092

NOREY

Title: Sample Custodian

Field Sample Seal No. F1554

Date Broken 3/5/2014

Military Time Seal Broken: 16:05:00

Case No.: Air Standard Motor Prod. :

Analytical Parameter/Fraction TO-15

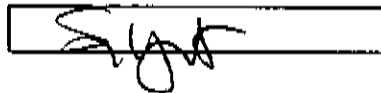
Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
F1554-01	SVE-INF1		
F1554-02	SVE-INF2		
F1554-03	SVE-INF3		
F1554-04	SSDS-INF		
F1554-05	GAC-INF		
F1554-06	GAC-EFF		

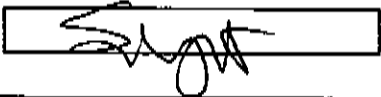
Date	Time	Relinquished By	Received By	Purpose of Change of Custody
3-5-14	9:20	Signature <u>Corey Pettitt</u>	Signature <u>[Signature]</u>	<u>AIR LAB</u>
		Printed Name <u>Corey Pettitt</u>	Printed Name <u>JCARLOW</u>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

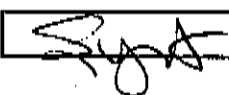
Pink - Sample Custodian - Interim Copy

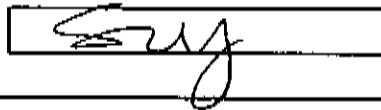
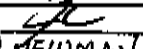
Client Contact Information				Bottle Order ID : B1402058				Courier : CHEMTECH				1 of 6 COCs																			
Client ID : CAMP02 Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis				Matrix																			
Customer Name : CDM Smith WARREN NEWMAN				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor/Ambient Air Soil Gas SOIL VAPOR EXTRACTION WELL #1																			
Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Phone Number : 732-225-7000																											
City : Edison				Fax Number : 7322257851																											
State : NJ				Site Details: P.O. #42600.15.51																											
Zip Code : 08837				Standard : 15 business days OR				Data Package Type : NYSDEC ASP CATB																							
Country : USA				Rush (Specify): Days				EDD Type : EXCEL / EZEDD																							
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15																
SVE-INF1	3/4/14	13:58	14:25	-36+	-5	42	42	-30	-43	10218	10447	6 L	200	VL022120.D	X																
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>42</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>42</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	42			Stop	42			GC/MS Analyst Signature (TO-15) 									
	Ambient	Maximum	Minimum																												
Start	42																														
Stop	42																														
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.83</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.83</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.83			Stop	29.83			** Submittal of this COC Indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO									
	Ambient	Maximum	Minimum																												
Start	29.83																														
Stop	29.83																														
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low PID Readings: Sampling site (State): STANDARD MOTOR PRODUCTS, 37-18 NORTHERN BLVD, LONG ISLAND CITY, NY 11101																															
Quick Connector required : NO																															
Canisters Shipped by: 				Date/Time: 2/26/14				Canisters Received by: W. NEWMAN				Date/Time: 2/28/14				B1402058 - 3															
Samples Relinquished by: W. NEWMAN				Date/Time: 3/5/14				Received by: 				Date/Time: 3-5-14 1230																			
Relinquished by: 				Date/Time: 3-5-14 1605				Received by: 				Date/Time: 3-5-14																			

Client Contact Information				Bottle Order ID : 81402058				Courier : CHEMTECH				<u>2</u> of <u>6</u> COCs																	
Client ID : CAMP02 Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis				Matrix																	
Customer Name : CDM Smith WARREN NEWMAN				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified				Indoor/Ambient Air Soil Gas SOIL VAPOR EXTRACTION WELL # 2																	
Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Phone Number : 732-225-7000																									
City : Edison				Fax Number : 7322257851																									
State : NJ				Site Details: P.O. # 42600.15.51																									
Zip Code : 08837				Standard : 15 business days OR				Data Package Type : NYSDEC ASP CAT B																					
Country : USA				Rush (Specify): Days				EDD Type : EXCEL / EZZEDD																					
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas												
SVE - INF 2	2/4/14	1359	14:27	30+	-5	42	42	-30	28	10538	10606	6 L	200	VL021947.D	X		X												
Temperature (Fahrenheit) <table border="1"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td>42</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>42</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	42			Stop	42			GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start	42																												
Stop	42																												
Pressure (Inches of Hg) <table border="1"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td>29.83</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.83			Stop				** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO							
	Ambient	Maximum	Minimum																										
Start	29.83																												
Stop																													
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings:																													
Sampling site (State): STANDARD MOTOR PRODUCTS, 37-18 NORTHERN BLVD., LONG ISLAND CITY, NY 11101																													
Quick Connector required : NO																													
Canisters Shipped by: W. NEWMAN				Date/Time: 2/26/14				Canisters Received by: W. NEWMAN				Date/Time: 2/28/14																	
Samples Relinquished by: W. NEWMAN				Date/Time: 3/5/14				Received by: W. NEWMAN				Date/Time: 3-5-14 1230																	
Relinquished by: W. NEWMAN				Date/Time: 3-5-14 1605				Received by: C.W.				Date/Time: 3-5-14																	

B1402058 - 6

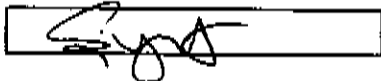
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Client Contact Information				Bottle Order ID : 81402058				Courier : CHEMTECH				3 of 6 COCs																			
Client ID : CAMP02				Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis		Matrix																	
Customer Name : CDM Smith WARREN NEWMAN Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																							
				Phone Number : 732-225-7000																											
				Fax Number : 7322257851																											
				Site Details: P.O. # 42600-15.51																											
City : Edison				Analysis Turnaround Time																											
State : NJ																															
Zip Code : 08837				Standard : 15 business days OR				Data Package Type : NYSDEC ASP CATB																							
Country : USA				Rush (Specify): Days				EDD Type : EXCEL / EZEED				TO-15																			
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID																	
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Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>42</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>42</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	42			Stop	42			GC/MS Analyst Signature (TO-15) 									
	Ambient	Maximum	Minimum																												
Start	42																														
Stop	42																														
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.83</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.83</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.83			Stop	29.83			** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the Instructions on the back of this CO									
	Ambient	Maximum	Minimum																												
Start	29.83																														
Stop	29.83																														
Special Instructions/QC Requirements & Comments :																															
Suspected Contamination: High Medium Low PID Readings:																															
Sampling site (State): STANDARD MOTOR PRODUCTS, 37-18 NORTHERN BLVD., LONG ISLAND CITY, NY 11101																															
Quick Connector required : NO																															
Canisters Shipped by: W. NEWMAN					Date/Time: 2/26/14					Canisters Received by: W. NEWMAN					Date/Time: 2/28/14																
Samples Relinquished by: W. NEWMAN					Date/Time: 3/5/14					Received by: W. NEWMAN					Date/Time: 3-5-14 1230																
Relinquished by: W. NEWMAN					Date/Time: 3-5-14 1605					Received by: W. NEWMAN					Date/Time: 3-5-14																
81402058 - 2																															

Client Contact Information				Bottle Order ID : B1402058				Courier : CHEMTECH				<u>4</u> of <u>6</u> COCs																	
Client ID : CAMP02				Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis		Matrix															
Customer Name : CDM Smith WARREN NEWMAN				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified																					
Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Phone Number : 732-225-7000																									
City : Edison				Fax Number : 7322257851																									
State : NJ				Site Details: P.O. # 42600.15.51																									
Zip Code : 08837				Standard : 15 business days OR				Data Package Type : NYSDEC ASP CATB																					
Country : USA				Rush (Specify): Days				EDD Type : EXCEL / EZEDD																					
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum In Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas - SSDS INFLUENT LINE												
SSDS-INF	3/4/14	14:00	14:21	29	-5	65		-30	63	10235	10593	6 L	200	VL021900.D	X		X												
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>65</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>65</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	65			Stop	65			GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start	65																												
Stop	65																												
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>29.83</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.83</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.83			Stop	29.83			** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO							
	Ambient	Maximum	Minimum																										
Start	29.83																												
Stop	29.83																												
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings:																													
Sampling site (State): STANDARD MOTOR PRODUCTS, 3718 NORTHERN BLVD., LONG ISLAND CITY, NY 11101																													
Quick Connector required : NO																													
Canisters Shipped by: 				Date/Time: 2/26/14				Canisters Received by: W. NEWMAN				Date/Time: 2/28/14																	
Samples Relinquished by: W. NEWMAN				Date/Time: 3/5/14				Received by: 				Date/Time: 3-5-14																	
Relinquished by: 				Date/Time: 3-5-14				Received by: CW				Date/Time: 3-5-14																	

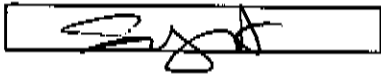
B1402058 - 4

16.05

Client Contact Information				Bottle Order ID : 81402058				Courier : CHEMTECH				<u>5</u> of <u>6</u> COCs																	
Client ID : CAMP02 Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis				Matrix																	
Customer Name : CDM Smith WARREN NEWMAN				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor/Ambient Air Soil Gas - VP GAC VESSEL INFLUENT																	
Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Phone Number : 732-225-7000																									
City : Edison				Fax Number : 7322257851																									
State : NJ				Site Details : P.O. # 42600, 15.51																									
Zip Code : 08837				Standard : 15 business days OR				Data Package Type : NYSDEC ASP CATB																					
Country : USA				Rush (Specify): Days				EDD Type : EXCEL / EZEDD																					
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas - VP GAC VESSEL INFLUENT												
GAC-INF	3/4/14	14:01	14:26	30+	-5			-30	34	10532	10405	6 L	200	VL022120-D	X		X												
Temperature (Fahrenheit) <table border="1"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td>60</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>60</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	60			Stop	60			GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start	60																												
Stop	60																												
Pressure (Inches of Hg) <table border="1"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td>29.83</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>29.83</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	29.83			Stop	29.83			** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO							
	Ambient	Maximum	Minimum																										
Start	29.83																												
Stop	29.83																												
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings:																													
Sampling site (State): STANDARD MOTOR PRODUCTS, 37-18 NORTHERN BLVD., LONG ISLAND CITY, NY 11101																													
Quick Connector required : NO																													
Canisters Shipped by: W. NEWMAN				Date/Time: 2/26/14				Canisters Received by: W. NEWMAN				Date/Time: 2/28/14																	
Samples Relinquished by: W. NEWMAN				Date/Time: 3/5/14				Received by: CW				Date/Time: 3-5-14 1230																	
Relinquished by: CW				Date/Time: 3-5-14				Received by: CW				Date/Time: 3-5-14																	

B1402058 * 1

16:05

Client Contact Information				Bottle Order ID : 81402058				Courier : CHEMTECH				<u>6</u> of <u>6</u> COCs					
Client ID : CAMP02				Project ID : Air Standard Motor Prod. 2-41-016.				Sampler Name(s) : WARREN NEWMAN				Analysis		Matrix			
Customer Name : CDM Smith WARREN NEWMAN Address : Raritan Plaza 110 Fieldcrest Avenue 6TH Floor				Project Manager : WARREN NEWMAN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 732-225-7000													
				Fax Number : 7322257851													
City : Edison				Site Details: P.O. #42600.15.51								Indoor/Ambient Air		Soil Gas - VP GAC VESSEL EFFLUENT			
State : NJ				Analysis Turnaround Time													
Zip Code : 08837				Standard : 15 business days OR				Data Package Type :									
Country : USA				Rush (Specify): Days				EDD Type :									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15		
GAC-EFF	3/4/14	14:00	14:28	30	-5	42	42	-30	-3.5	10704	10601	6 L	200	VL022120.D	X		X
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient		Maximum		Minimum											
Start		42															
Stop		42															
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing condition Please follow the instructions on the back of this CO							
		Ambient		Maximum		Minimum											
Start		29.83															
Stop		29.83															
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings:																	
Sampling site (State): STANDARD MOTOR PRODUCTS, 37-18 NORTHERN BLVD., LONG ISLAND CITY, NY 11101																	
Quick Connector required : NO																	
Canisters Shipped by: 				Date/Time: 2/26/14				Canisters Received by: W. NEWMAN				Date/Time: 2/28/14					
Samples Relinquished by: W. NEWMAN				Date/Time: 3/5/14				Received by: 				Date/Time: 3-5-14 1230					
Relinquished by: 				Date/Time: 3-5-14 1230				Received by: CW				Date/Time: 3-5-14					

81402058 - 5

16.05



284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample			
Laboratory: Chemtech	Location: 284 Sheffield Street, Mountainside, NJ 7092		
SENEY	Title: Sample Custodian		
Field Sample Seal No. F1554	Date Broken: 3/5/2014	Military Time Seal Broken:	16:05:00
Case No.: Air Standard Motor Prod.,	Analytical Parameter/Fraction: DO-15		

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
F1554-01	SVE-INF1		
F1554-02	SVE-INF2		
F1554-03	SVE-INF3		
F1554-04	SSDS-INF		
F1554-05	GAC-INF		
F1554-06	GAC-EFF		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
3-5-14	9:20	Signature <i>Cory Pettit</i> Printed Name <i>Cory Pettit</i>	Signature <i>[Signature]</i> Printed Name <i>JHARLOW</i>	AIR LAB
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : NY-STANDARD MOTOR PRODUCTS SITE CODE 2-41-016

CDM SMITH

Raritan Plaza 110 Fieldcrest Avenue 6TH Floor

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : F1793

ATTENTION : Warren Newman



DoD ELAP

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-1

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-10	F1793-01	8260-Low					
MW-11S	F1793-02	8260-Low					
MW-16	F1793-03	8260-Low					
MW-17	F1793-04	8260-Low					
MW-18	F1793-05	8260-Low					
MW-19	F1793-06	8260-Low					
MW-20	F1793-07	8260-Low					
FIELDBLANK	F1793-08	8260-Low					
TRIPBLANK	F1793-09	8260-Low					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
F1793-01	Water	03/26/14	03/27/14		04/01/14
F1793-02	Water	03/26/14	03/27/14		04/01/14
F1793-03	Water	03/26/14	03/27/14		04/01/14
F1793-04	Water	03/26/14	03/27/14		04/01/14
F1793-05	Water	03/26/14	03/27/14		04/01/14
F1793-06	Water	03/26/14	03/27/14		04/01/14
F1793-07	Water	03/26/14	03/27/14		04/01/14
F1793-08	Water	03/26/14	03/27/14		03/31/14
F1793-09	Water	03/26/14	03/27/14		03/31/14

* Details For Test : VOC-TCLVOA-10

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
F1793-01	Water	8260-Low	5030		
F1793-02	Water	8260-Low	5030		
F1793-03	Water	8260-Low	5030		
F1793-04	Water	8260-Low	5030		
F1793-05	Water	8260-Low	5030		
F1793-06	Water	8260-Low	5030		
F1793-07	Water	8260-Low	5030		
F1793-08	Water	8260-Low	5030		
F1793-09	Water	8260-Low	5030		

Cover Page

Order ID : F1793

Project ID : NY-Standard Motor Products Site code 2-41-016

Client : CDM Smith

Lab Sample Number

F1793-01
F1793-02
F1793-03
F1793-04
F1793-05
F1793-06
F1793-07
F1793-08
F1793-09

Client Sample Number

MW-10
MW-11S
MW-16
MW-17
MW-18
MW-19
MW-20
FIELDBLANK
TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 4/4/2014

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

CDM Smith

Project Name: NY-Standard Motor Products Site code 2-41-016

Project # N/A

Chemtech Project # F1793

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

9 Water samples were received on 03/27/2014.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {VN0331WBSD01} with File ID: VN014087.D recoveries met criteria except for 1,2-Dibromo-3-Chloropropane[23%], 1,4-Dioxane[35%], 2-Butanone[26%], 2-Hexanone[31%], 4-Methyl-2-Pentanone[26%], Bromochloromethane[44%] and Methyl Acetate[29%].

The Blank Spike Duplicate for {VN0331WBSD01} with File ID: VN014087.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[136%]. The Blank Spike for {VN0331WBS02} with File ID: VN014093.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[136%].

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82N032414W.M) for Methyl Acetate, Cyclohexane, 2-Hexanone, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Linear regression.

The Continuous Calibration File ID VN014069.D met the requirements except for Bromomethane and Acetone. The Continuous Calibration File ID VN014091.D met the requirements except for Methyl Acetate, 2-Hexanone, 2-Butanone, 4-Methyl-2-Pentanone and 1,2-Dibromo-3-Chloropropane.

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

LAB CHRONICLE

OrderID: F1793	OrderDate: 3/27/2014 10:37:00 AM
Client: CDM Smith	Project: NY-Standard Motor Products Site code 2-41-016
Contact: Warren Newman	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
F1793-01	MW-10	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-02	MW-11S	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-03	MW-16	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-04	MW-17	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-05	MW-18	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-06	MW-19	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-07	MW-20	Water	VOC-TCLVOA-10	8260-Low	03/26/14		04/01/14	03/27/14
F1793-08	FIELDBLANK	Water	VOC-TCLVOA-10	8260-Low	03/26/14		03/31/14	03/27/14
F1793-09	TRIPBLANK	Water	VOC-TCLVOA-10	8260-Low	03/26/14		03/31/14	03/27/14

Hit Summary Sheet SW-846

SDG No.: F1793

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: MW-10									
F1793-01	MW-10	Water	Acetone	37.30		0.5	1	5	ug/L
F1793-01	MW-10	Water	Cyclohexane	58.50		0.2	0.2	1	ug/L
F1793-01	MW-10	Water	Methylcyclohexane	8.20		0.2	0.2	1	ug/L
F1793-01	MW-10	Water	Benzene	0.51	J	0.2	0.2	1	ug/L
F1793-01	MW-10	Water	Toluene	8.20		0.2	0.2	1	ug/L
F1793-01	MW-10	Water	Ethyl Benzene	49.50		0.2	0.2	1	ug/L
F1793-01	MW-10	Water	m/p-Xylenes	25.20		0.4	0.4	2	ug/L
F1793-01	MW-10	Water	o-Xylene	3.00		0.2	0.2	1	ug/L
F1793-01	MW-10	Water	Isopropylbenzene	14.40		0.2	0.2	1	ug/L
Total Voc :				204.81					
F1793-01	MW-10	Water	Butane, 2-methyl-	* 19.10	J	0		0	ug/L
F1793-01	MW-10	Water	Cyclopentane, methyl-	* 34.90	J	0		0	ug/L
F1793-01	MW-10	Water	1-Pentene	* 30.30	J	0		0	ug/L
F1793-01	MW-10	Water	Indane	* 180.00	J	0		0	ug/L
F1793-01	MW-10	Water	Benzene, 1-ethyl-2-methyl-	* 43.90	J	0		0	ug/L
F1793-01	MW-10	Water	Indan, 1-methyl-	* 28.00	J	0		0	ug/L
F1793-01	MW-10	Water	1H-Indene, 2,3-dihydro-5-meth	* 9.80	J	0		0	ug/L
F1793-01	MW-10	Water	Cyclopropane, 1,2-dimethyl-, c	* 8.80	J	0		0	ug/L
F1793-01	MW-10	Water	Benzene, 2-ethenyl-1,4-dimeth	* 18.10	J	0		0	ug/L
F1793-01	MW-10	Water	Cyclobutane, ethenyl-	* 14.10	J	0		0	ug/L
F1793-01	MW-10	Water	n-propylbenzene	* 29.20	J	0.2		1	ug/L
F1793-01	MW-10	Water	1,3,5-Trimethylbenzene	* 8.70	J	0.2		1	ug/L
F1793-01	MW-10	Water	1,2,4-Trimethylbenzene	* 29.40	J	0.2		1	ug/L
F1793-01	MW-10	Water	sec-Butylbenzene	* 0.90	J	0.2		1	ug/L
F1793-01	MW-10	Water	p-Isopropyltoluene	* 0.37	J	0.2		1	ug/L
F1793-01	MW-10	Water	n-Butylbenzene	* 0.73	J	0.2		1	ug/L
F1793-01	MW-10	Water	Naphthalene	* 16.50	J	0.2		1	ug/L
Total Tics :				472.8					
Total Concentration:				677.61					
Client ID: MW-11S									
F1793-02	MW-11S	Water	Acetone	11.90		0.5	1	5	ug/L
F1793-02	MW-11S	Water	1,1-Dichloroethane	0.88	J	0.2	0.2	1	ug/L
F1793-02	MW-11S	Water	cis-1,2-Dichloroethene	1.30		0.2	0.2	1	ug/L
F1793-02	MW-11S	Water	1,1,1-Trichloroethane	0.76	J	0.2	0.2	1	ug/L
F1793-02	MW-11S	Water	Trichloroethene	6.60		0.2	0.2	1	ug/L
Total Voc :				21.44					
Total Concentration:				21.44					

Hit Summary Sheet SW-846

SDG No.: F1793
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	MW-16								
F1793-03	MW-16	Water	Vinyl Chloride	15.90		0.2	0.2	1	ug/L
F1793-03	MW-16	Water	Acetone	24.40		0.5	1	5	ug/L
F1793-03	MW-16	Water	cis-1,2-Dichloroethene	1.50		0.2	0.2	1	ug/L
			Total Voc :	41.8					
F1793-03	MW-16	Water	unknown2.03	* 6.90	J	0		0	ug/L
F1793-03	MW-16	Water	Butane, 2,3-dimethyl-	* 9.50	J	0		0	ug/L
F1793-03	MW-16	Water	Cyclopentane	* 5.20	J	0		0	ug/L
			Total Tics :	21.6					
			Total Concentration:	63.4					
Client ID:	MW-17								
F1793-04	MW-17	Water	Acetone	11.60		0.5	1	5	ug/L
F1793-04	MW-17	Water	Trichloroethene	0.24	J	0.2	0.2	1	ug/L
			Total Voc :	11.84					
			Total Concentration:	11.84					
Client ID:	MW-18								
F1793-05	MW-18	Water	Acetone	12.40		0.5	1	5	ug/L
			Total Voc :	12.4					
			Total Concentration:	12.4					
Client ID:	MW-19								
F1793-06	MW-19	Water	Acetone	11.20		0.5	1	5	ug/L
F1793-06	MW-19	Water	1,1,1-Trichloroethane	0.68	J	0.2	0.2	1	ug/L
F1793-06	MW-19	Water	Trichloroethene	5.40		0.2	0.2	1	ug/L
			Total Voc :	17.28					
			Total Concentration:	17.28					
Client ID:	MW-20								
F1793-07	MW-20	Water	Acetone	13.30		0.5	1	5	ug/L
			Total Voc :	13.3					
F1793-07	MW-20	Water	n-propylbenzene	* 0.27	J	0.2		1	ug/L
F1793-07	MW-20	Water	1,2,4-Trimethylbenzene	* 0.39	J	0.2		1	ug/L
			Total Tics :	0.66					
			Total Concentration:	13.96					

SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-10	SDG No.:	F1793
Lab Sample ID:	F1793-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014095.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	37.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	58.5		0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	8.2		0.2	0.2	1	ug/L
71-43-2	Benzene	0.51	J	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	8.2		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-10	SDG No.:	F1793
Lab Sample ID:	F1793-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014095.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	49.5		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	25.2		0.4	0.4	2	ug/L
95-47-6	o-Xylene	3		0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	14.4		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	49.3		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		58 - 135		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132921	7.87				
540-36-3	1,4-Difluorobenzene	227552	8.79				
3114-55-4	Chlorobenzene-d5	228390	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	90798	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-10	SDG No.:	F1793
Lab Sample ID:	F1793-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014095.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000078-78-4	Butane, 2-methyl-	19.1	J			2.88	ug/L
000930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	8.8	J			3.7	ug/L
000109-67-1	1-Pentene	30.3	J			4.85	ug/L
000096-37-7	Cyclopentane, methyl-	34.9	J			6.88	ug/L
002597-49-1	Cyclobutane, ethenyl-	14.1	J			8.39	ug/L
103-65-1	n-propylbenzene	29.2	J			12.8	ug/L
108-67-8	1,3,5-Trimethylbenzene	8.7	J			12.94	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	43.9	J			13.1	ug/L
95-63-6	1,2,4-Trimethylbenzene	29.4	J			13.25	ug/L
135-98-8	sec-Butylbenzene	0.9	J			13.38	ug/L
99-87-6	p-Isopropyltoluene	0.37	J			13.5	ug/L
000496-11-7	Indane	180	J			13.76	ug/L
104-51-8	n-Butylbenzene	0.73	J			13.83	ug/L
000767-58-8	Indan, 1-methyl-	28	J			14.22	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	9.8	J			14.7	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	18.1	J			14.83	ug/L
91-20-3	Naphthalene	16.5	J			15.39	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-11S	SDG No.:	F1793
Lab Sample ID:	F1793-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014096.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	11.9		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	0.88	J	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1.3		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.76	J	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	6.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-11S	SDG No.:	F1793
Lab Sample ID:	F1793-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014096.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	48.1		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		58 - 135		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126765	7.87				
540-36-3	1,4-Difluorobenzene	221623	8.79				
3114-55-4	Chlorobenzene-d5	219375	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	75789	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-11S	SDG No.:	F1793
Lab Sample ID:	F1793-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014096.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-16	SDG No.:	F1793
Lab Sample ID:	F1793-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014097.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	15.9		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	24.4		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1.5		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-16	SDG No.:	F1793
Lab Sample ID:	F1793-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014097.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	48.2		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124027	7.87				
540-36-3	1,4-Difluorobenzene	220409	8.78				
3114-55-4	Chlorobenzene-d5	220729	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	75929	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-16	SDG No.:	F1793
Lab Sample ID:	F1793-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014097.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown2.03	6.9	J			2.03	ug/L
000079-29-8	Butane, 2,3-dimethyl-	9.5	J			4.74	ug/L
000287-92-3	Cyclopentane	5.2	J			4.86	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-17	SDG No.:	F1793
Lab Sample ID:	F1793-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014098.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	11.6		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.24	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-17	SDG No.:	F1793
Lab Sample ID:	F1793-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014098.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	48.2		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		58 - 135		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123041	7.87				
540-36-3	1,4-Difluorobenzene	219458	8.78				
3114-55-4	Chlorobenzene-d5	219710	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	76034	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-17	SDG No.:	F1793
Lab Sample ID:	F1793-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014098.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-18	SDG No.:	F1793
Lab Sample ID:	F1793-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014099.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	12.4		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-18	SDG No.:	F1793
Lab Sample ID:	F1793-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014099.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	48.4		65 - 126		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		58 - 135		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121155	7.87				
540-36-3	1,4-Difluorobenzene	216392	8.78				
3114-55-4	Chlorobenzene-d5	216686	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	72455	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-18	SDG No.:	F1793
Lab Sample ID:	F1793-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014099.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-19	SDG No.:	F1793
Lab Sample ID:	F1793-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014100.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	11.2		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.68	J	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	5.4		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-19	SDG No.:	F1793
Lab Sample ID:	F1793-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014100.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	48.3		65 - 126		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		58 - 135		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118907	7.87				
540-36-3	1,4-Difluorobenzene	210448	8.78				
3114-55-4	Chlorobenzene-d5	211529	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	70548	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-19	SDG No.:	F1793
Lab Sample ID:	F1793-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014100.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-20	SDG No.:	F1793
Lab Sample ID:	F1793-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014101.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	13.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-20	SDG No.:	F1793
Lab Sample ID:	F1793-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014101.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	48.7		65 - 126		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		58 - 135		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	125917	7.87				
540-36-3	1,4-Difluorobenzene	221884	8.78				
3114-55-4	Chlorobenzene-d5	225754	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	79441	13.56				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	MW-20	SDG No.:	F1793
Lab Sample ID:	F1793-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014101.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
103-65-1	n-propylbenzene	0.27	J			12.8	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.39	J			13.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	FIELDBLANK	SDG No.:	F1793
Lab Sample ID:	F1793-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014084.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	FIELDBLANK	SDG No.:	F1793
Lab Sample ID:	F1793-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014084.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	49.1		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		58 - 135		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126550	7.87				
540-36-3	1,4-Difluorobenzene	219402	8.79				
3114-55-4	Chlorobenzene-d5	221785	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	76808	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	FIELD BLANK	SDG No.:	F1793
Lab Sample ID:	F1793-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014084.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	TRIPBLANK	SDG No.:	F1793
Lab Sample ID:	F1793-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014083.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	TRIPBLANK	SDG No.:	F1793
Lab Sample ID:	F1793-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014083.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	UQ	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	49		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		58 - 135		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126415	7.87				
540-36-3	1,4-Difluorobenzene	219144	8.79				
3114-55-4	Chlorobenzene-d5	220236	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	79240	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	03/26/14
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	03/27/14
Client Sample ID:	TRIPBLANK	SDG No.:	F1793
Lab Sample ID:	F1793-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014083.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

QC SUMMARY

Surrogate Summary

SDG No.: F1793

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
F1793-01	MW-10	1,2-Dichloroethane-d4	50	50.77	102		61	141
		Dibromofluoromethane	50	47.61	95		69	133
		Toluene-d8	50	49.32	99		65	126
		4-Bromofluorobenzene	50	53.36	107		58	135
F1793-02	MW-11S	1,2-Dichloroethane-d4	50	53.44	107		61	141
		Dibromofluoromethane	50	47.99	96		69	133
		Toluene-d8	50	48.08	96		65	126
		4-Bromofluorobenzene	50	49.3	99		58	135
F1793-03	MW-16	1,2-Dichloroethane-d4	50	53.67	107		61	141
		Dibromofluoromethane	50	47.37	95		69	133
		Toluene-d8	50	48.17	96		65	126
		4-Bromofluorobenzene	50	50.33	101		58	135
F1793-04	MW-17	1,2-Dichloroethane-d4	50	54.24	108		61	141
		Dibromofluoromethane	50	48.25	96		69	133
		Toluene-d8	50	48.24	96		65	126
		4-Bromofluorobenzene	50	49.48	99		58	135
F1793-05	MW-18	1,2-Dichloroethane-d4	50	54.15	108		61	141
		Dibromofluoromethane	50	47.52	95		69	133
		Toluene-d8	50	48.39	97		65	126
		4-Bromofluorobenzene	50	49.39	99		58	135
F1793-06	MW-19	1,2-Dichloroethane-d4	50	54.54	109		61	141
		Dibromofluoromethane	50	48.32	97		69	133
		Toluene-d8	50	48.27	97		65	126
		4-Bromofluorobenzene	50	48.78	98		58	135
F1793-07	MW-20	1,2-Dichloroethane-d4	50	54.41	109		61	141
		Dibromofluoromethane	50	48.01	96		69	133
		Toluene-d8	50	48.74	97		65	126
		4-Bromofluorobenzene	50	51.4	103		58	135
F1793-08	FIELDBLANK	1,2-Dichloroethane-d4	50	53.35	107		61	141
		Dibromofluoromethane	50	48.56	97		69	133
		Toluene-d8	50	49.06	98		65	126
		4-Bromofluorobenzene	50	49.56	99		58	135
F1793-09	TRIPBLANK	1,2-Dichloroethane-d4	50	52.8	106		61	141
		Dibromofluoromethane	50	49.06	98		69	133
		Toluene-d8	50	49.03	98		65	126
		4-Bromofluorobenzene	50	50.86	102		58	135
VN0331WBL01	VN0331WBL01	1,2-Dichloroethane-d4	50	52.49	105		61	141
		Dibromofluoromethane	50	48.31	97		69	133
		Toluene-d8	50	48.68	97		65	126
		4-Bromofluorobenzene	50	51.2	102		58	135
VN0331WBL02	VN0331WBL02	1,2-Dichloroethane-d4	50	52.7	105		61	141
		Dibromofluoromethane	50	48.23	96		69	133
		Toluene-d8	50	48.76	98		65	126
		4-Bromofluorobenzene	50	49.85	100		58	135
VN0331WBS01	VN0331WBS01	1,2-Dichloroethane-d4	50	45.36	91		61	141
		Dibromofluoromethane	50	45.85	92		69	133
		Toluene-d8	50	44.18	88		65	126
		4-Bromofluorobenzene	50	42.83	86		58	135
VN0331WBS02	VN0331WBS02	1,2-Dichloroethane-d4	50	51.37	103		61	141
		Dibromofluoromethane	50	49.61	99		69	133
		Toluene-d8	50	47.64	95		65	126
		4-Bromofluorobenzene	50	44.73	89		58	135

Surrogate Summary

SDG No.: F1793

Client: CDM Smith

Analytical Method: SW8260-Low

		Parameter	Spike	Result	Recovery	Qual	Limits	
Lab Sample ID	Client ID						Low	High
VN0331WBSD0	VN0331WBSD01	1,2-Dichloroethane-d4	50	56.8	114		61	141
		Dibromofluoromethane	50	54.7	109		69	133
		Toluene-d8	50	52.63	105		65	126
		4-Bromofluorobenzene	50	50.39	101		58	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793

Client: CDM Smith

Analytical Method: SW8260-Low Datafile : VN014071.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VN0331WBS01	Dichlorodifluoromethane	20	18.8	ug/L	94			46	139	
	Chloromethane	20	18.6	ug/L	93			58	139	
	Vinyl chloride	20	18.5	ug/L	93			65	137	
	Bromomethane	20	15.2	ug/L	76			50	162	
	Chloroethane	20	18.6	ug/L	93			54	160	
	Trichlorofluoromethane	20	18.9	ug/L	95			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			71	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			69	134	
	Acetone	100	100	ug/L	100			41	181	
	Carbon disulfide	20	18.5	ug/L	93			63	138	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			72	136	
	Methyl Acetate	20	19	ug/L	95			51	158	
	Methylene Chloride	20	18.3	ug/L	92			67	138	
	trans-1,2-Dichloroethene	20	19	ug/L	95			72	132	
	1,1-Dichloroethane	20	19.3	ug/L	97			74	135	
	Cyclohexane	20	17.9	ug/L	90			67	132	
	2-Butanone	100	100	ug/L	100			64	146	
	Carbon Tetrachloride	20	19.5	ug/L	98			71	134	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			74	130	
	Bromochloromethane	20	15.4	ug/L	77			71	136	
	Chloroform	20	19.4	ug/L	97			74	134	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			74	133	
	Methylcyclohexane	20	18.7	ug/L	94			71	125	
	Benzene	20	19.2	ug/L	96			75	125	
	1,2-Dichloroethane	20	19.8	ug/L	99			76	130	
	Trichloroethene	20	19.2	ug/L	96			73	127	
	1,2-Dichloropropane	20	18.7	ug/L	94			76	125	
	Bromodichloromethane	20	19.4	ug/L	97			78	127	
	4-Methyl-2-Pentanone	100	100	ug/L	100			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			74	131	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			74	128	
	1,1,2-Trichloroethane	20	19.9	ug/L	100			75	129	
	2-Hexanone	100	88.2	ug/L	88			62	153	
	Dibromochloromethane	20	19.9	ug/L	100			74	131	
	1,2-Dibromoethane	20	19.8	ug/L	99			74	129	
	Tetrachloroethene	20	18.9	ug/L	95			46	157	
	Chlorobenzene	20	18.9	ug/L	95			76	123	
	Ethyl Benzene	20	18.8	ug/L	94			75	126	
	m/p-Xylenes	40	38.2	ug/L	96			74	126	
	o-Xylene	20	19.5	ug/L	98			73	127	
	Styrene	20	19.3	ug/L	97			75	126	
	Bromoform	20	20.9	ug/L	104			66	130	
	Isopropylbenzene	20	19.2	ug/L	96			70	127	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			66	131	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			70	125	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			71	124	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			71	126	
	1,2-Dibromo-3-Chloropropane	20	21.5	ug/L	108			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793
Client: CDM Smith
Analytical Method: SW8260-Low

Datafile : VN014071.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VN0331WBS01	1,2,4-Trichlorobenzene	20	17.1	ug/L	86			62	129	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			58	130	
	1,4-Dioxane	400	390	ug/L	98			50	150	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793

Client: CDM Smith

Analytical Method: SW8260-Low

Datafile : VN014087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		
								Low	High	RPD
VN0331WBSD01	Dichlorodifluoromethane	20	20.6	ug/L	103	9		46	139	20
	Chloromethane	20	20.7	ug/L	104	11		58	139	20
	Vinyl chloride	20	20.5	ug/L	103	10		65	137	20
	Bromomethane	20	15.1	ug/L	76	0		50	162	20
	Chloroethane	20	21.6	ug/L	108	15		54	160	20
	Trichlorofluoromethane	20	20.8	ug/L	104	9		67	143	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	9		71	136	20
	1,1-Dichloroethene	20	20.7	ug/L	104	10		69	134	20
	Acetone	100	110	ug/L	110	10		41	181	20
	Carbon disulfide	20	19.8	ug/L	99	6		63	138	20
	Methyl tert-butyl Ether	20	23.3	ug/L	117	18		72	136	20
	Methyl Acetate	20	25.3	ug/L	127	29	*	51	158	20
	Methylene Chloride	20	21.7	ug/L	109	17		67	138	20
	trans-1,2-Dichloroethene	20	20.7	ug/L	104	9		72	132	20
	1,1-Dichloroethane	20	21.7	ug/L	109	12		74	135	20
	Cyclohexane	20	20.1	ug/L	101	12		67	132	20
	2-Butanone	100	130	ug/L	130	26	*	64	146	20
	Carbon Tetrachloride	20	21.1	ug/L	106	8		71	134	20
	cis-1,2-Dichloroethene	20	21.1	ug/L	106	12		74	130	20
	Bromochloromethane	20	24	ug/L	120	44	*	71	136	20
	Chloroform	20	21.9	ug/L	110	13		74	134	20
	1,1,1-Trichloroethane	20	21.5	ug/L	108	10		74	133	20
	Methylcyclohexane	20	20.1	ug/L	101	7		71	125	20
	Benzene	20	20.8	ug/L	104	8		75	125	20
	1,2-Dichloroethane	20	21.7	ug/L	109	10		76	130	20
	Trichloroethene	20	20.6	ug/L	103	7		73	127	20
	1,2-Dichloropropane	20	20.6	ug/L	103	9		76	125	20
	Bromodichloromethane	20	20.9	ug/L	104	7		78	127	20
	4-Methyl-2-Pentanone	100	130	ug/L	130	26	*	71	140	20
	Toluene	20	20.7	ug/L	104	10		74	125	20
	t-1,3-Dichloropropene	20	20.4	ug/L	102	5		74	131	20
	cis-1,3-Dichloropropene	20	20.5	ug/L	103	8		74	128	20
	1,1,2-Trichloroethane	20	22.1	ug/L	111	10		75	129	20
	2-Hexanone	100	120	ug/L	120	31	*	62	153	20
	Dibromochloromethane	20	21.5	ug/L	108	8		74	131	20
	1,2-Dibromoethane	20	23.3	ug/L	117	17		74	129	20
	Tetrachloroethene	20	20.5	ug/L	103	8		46	157	20
	Chlorobenzene	20	20.7	ug/L	104	9		76	123	20
	Ethyl Benzene	20	20.6	ug/L	103	9		75	126	20
	m/p-Xylenes	40	41.9	ug/L	105	9		74	126	20
	o-Xylene	20	20.7	ug/L	104	6		73	127	20
	Styrene	20	21.1	ug/L	106	9		75	126	20
	Bromoform	20	23.4	ug/L	117	12		66	130	20
	Isopropylbenzene	20	20.6	ug/L	103	7		70	127	20
	1,1,2,2-Tetrachloroethane	20	24.4	ug/L	122	18		66	131	20
	1,3-Dichlorobenzene	20	20.5	ug/L	103	9		70	125	20
	1,4-Dichlorobenzene	20	20.1	ug/L	101	8		71	124	20
	1,2-Dichlorobenzene	20	21.2	ug/L	106	12		71	126	20
	1,2-Dibromo-3-Chloropropane	20	27.2	ug/L	136	23	*	*	62	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793
Client: CDM Smith
Analytical Method: SW8260-Low

Datafile : VN014087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		
								Low	High	RPD
VN0331WBSD01	1,2,4-Trichlorobenzene	20	19.6	ug/L	98	13		62	129	20
	1,2,3-Trichlorobenzene	20	20.9	ug/L	104	19		58	130	20
	1,4-Dioxane	400	560	ug/L	140	35	*	50	150	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793

Client: CDM Smith

Analytical Method: SW8260-Low Datafile : VN014093.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VN0331WBS02	Dichlorodifluoromethane	20	19.1	ug/L	96			46	139	
	Chloromethane	20	19	ug/L	95			58	139	
	Vinyl chloride	20	19.9	ug/L	100			65	137	
	Bromomethane	20	18.8	ug/L	94			50	162	
	Chloroethane	20	20.8	ug/L	104			54	160	
	Trichlorofluoromethane	20	19.6	ug/L	98			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19	ug/L	95			71	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			69	134	
	Acetone	100	100	ug/L	100			41	181	
	Carbon disulfide	20	19.2	ug/L	96			63	138	
	Methyl tert-butyl Ether	20	22.3	ug/L	112			72	136	
	Methyl Acetate	20	23.8	ug/L	119			51	158	
	Methylene Chloride	20	20.7	ug/L	104			67	138	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			72	132	
	1,1-Dichloroethane	20	20.9	ug/L	104			74	135	
	Cyclohexane	20	19.1	ug/L	96			67	132	
	2-Butanone	100	120	ug/L	120			64	146	
	Carbon Tetrachloride	20	20.3	ug/L	102			71	134	
	cis-1,2-Dichloroethene	20	20	ug/L	100			74	130	
	Bromochloromethane	20	19.9	ug/L	100			71	136	
	Chloroform	20	21.5	ug/L	108			74	134	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			74	133	
	Methylcyclohexane	20	18.2	ug/L	91			71	125	
	Benzene	20	20.4	ug/L	102			75	125	
	1,2-Dichloroethane	20	21.1	ug/L	106			76	130	
	Trichloroethene	20	20.1	ug/L	101			73	127	
	1,2-Dichloropropane	20	20	ug/L	100			76	125	
	Bromodichloromethane	20	20.5	ug/L	103			78	127	
	4-Methyl-2-Pentanone	100	120	ug/L	120			71	140	
	Toluene	20	20.2	ug/L	101			74	125	
	t-1,3-Dichloropropene	20	19.5	ug/L	98			74	131	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			74	128	
	1,1,2-Trichloroethane	20	21.7	ug/L	109			75	129	
	2-Hexanone	100	110	ug/L	110			62	153	
	Dibromochloromethane	20	21.3	ug/L	106			74	131	
	1,2-Dibromoethane	20	22.1	ug/L	111			74	129	
	Tetrachloroethene	20	20.5	ug/L	103			46	157	
	Chlorobenzene	20	20.4	ug/L	102			76	123	
	Ethyl Benzene	20	20	ug/L	100			75	126	
	m/p-Xylenes	40	40.3	ug/L	101			74	126	
	o-Xylene	20	20.4	ug/L	102			73	127	
	Styrene	20	20.4	ug/L	102			75	126	
	Bromoform	20	22.8	ug/L	114			66	130	
	Isopropylbenzene	20	20.7	ug/L	104			70	127	
	1,1,2,2-Tetrachloroethane	20	24.2	ug/L	121			66	131	
	1,3-Dichlorobenzene	20	20.3	ug/L	102			70	125	
	1,4-Dichlorobenzene	20	20.1	ug/L	101			71	124	
	1,2-Dichlorobenzene	20	20.8	ug/L	104			71	126	
	1,2-Dibromo-3-Chloropropane	20	27.1	ug/L	136		*	62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: F1793
Client: CDM Smith
Analytical Method: SW8260-Low

Datafile : VN014093.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits		RPD
								Low	High	
VN0331WBS02	1,2,4-Trichlorobenzene	20	18.8	ug/L	94			62	129	
	1,2,3-Trichlorobenzene	20	20	ug/L	100			58	130	
	1,4-Dioxane	400	510	ug/L	128			50	150	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0331WBL01

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: F1793

SAS No.: F1793 SDG NO.: F1793

Lab File ID: VN014070.D

Lab Sample ID: VN0331WBL01

Date Analyzed: 03/31/2014

Time Analyzed: 10:21

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0331WBS01	VN0331WBS01	VN014071.D	03/31/2014
TRIPBLANK	F1793-09	VN014083.D	03/31/2014
FIELDBLANK	F1793-08	VN014084.D	03/31/2014
VN0331WBSD01	VN0331WBSD01	VN014087.D	03/31/2014

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0331WBL02

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: F1793

SAS No.: F1793 SDG NO.: F1793

Lab File ID: VN014092.D

Lab Sample ID: VN0331WBL02

Date Analyzed: 03/31/2014

Time Analyzed: 23:39

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0331WBS02	VN0331WBS02	VN014093.D	04/01/2014
MW-10	F1793-01	VN014095.D	04/01/2014
MW-11S	F1793-02	VN014096.D	04/01/2014
MW-16	F1793-03	VN014097.D	04/01/2014
MW-17	F1793-04	VN014098.D	04/01/2014
MW-18	F1793-05	VN014099.D	04/01/2014
MW-19	F1793-06	VN014100.D	04/01/2014
MW-20	F1793-07	VN014101.D	04/01/2014

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG NO.: F1793
Lab File ID: VN013856.D BFB Injection Date: 03/24/2014
Instrument ID: MSVOA_N BFB Injection Time: 13:57
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	6.9 (7.8) 1
176	95.0 - 101.0% of mass 174	84.6 (95.7) 1
177	5.0 - 9.0% of mass 176	5.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VN013859.D	03/24/2014	16:21
VSTDICCC050	VSTDICCC050	VN013860.D	03/24/2014	16:51
VSTDICC100	VSTDICC100	VN013861.D	03/24/2014	17:21
VSTDICC200	VSTDICC200	VN013862.D	03/24/2014	17:53
VSTDICC001	VSTDICC001	VN013864.D	03/24/2014	19:52
VSTDICC005	VSTDICC005	VN013865.D	03/24/2014	20:52

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>F1793</u>
Lab File ID:	<u>VN014068.D</u>	SAS No.:	<u>F1793</u>
Instrument ID:	<u>MSVOA_N</u>	SDG NO.:	<u>F1793</u>
GC Column:	<u>RXI-624</u>	BFB Injection Date:	<u>03/31/2014</u>
ID:	<u>0.25</u>	BFB Injection Time:	<u>08:36</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.6
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	86.3
175	5.0 - 9.0% of mass 174	6.2 (7.2) 1
176	95.0 - 101.0% of mass 174	84.2 (97.6) 1
177	5.0 - 9.0% of mass 176	5.2 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN014069.D	03/31/2014	09:35
VN0331WBL01	VN0331WBL01	VN014070.D	03/31/2014	10:21
VN0331WBS01	VN0331WBS01	VN014071.D	03/31/2014	11:28
TRIPBLANK	F1793-09	VN014083.D	03/31/2014	17:37
FIELDBLANK	F1793-08	VN014084.D	03/31/2014	18:07
VN0331WBSD01	VN0331WBSD01	VN014087.D	03/31/2014	19:38

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>F1793</u>
Lab File ID:	<u>VN014090.D</u>	SAS No.:	<u>F1793</u>
Instrument ID:	<u>MSVOA_N</u>	SDG NO.:	<u>F1793</u>
GC Column:	<u>RXI-624</u>	BFB Injection Date:	<u>03/31/2014</u>
ID:	<u>0.25</u>	BFB Injection Time:	<u>21:39</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.2 (7.1) 1
176	95.0 - 101.0% of mass 174	83.8 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN014091.D	03/31/2014	22:39
VN0331WBL02	VN0331WBL02	VN014092.D	03/31/2014	23:39
VN0331WBS02	VN0331WBS02	VN014093.D	04/01/2014	00:09
MW-10	F1793-01	VN014095.D	04/01/2014	01:39
MW-11S	F1793-02	VN014096.D	04/01/2014	02:09
MW-16	F1793-03	VN014097.D	04/01/2014	02:39
MW-17	F1793-04	VN014098.D	04/01/2014	03:09
MW-18	F1793-05	VN014099.D	04/01/2014	03:39
MW-19	F1793-06	VN014100.D	04/01/2014	04:10
MW-20	F1793-07	VN014101.D	04/01/2014	04:40

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG NO.: F1793
 Lab File ID: VN014069.D Date Analyzed: 03/31/2014
 Instrument ID: MSVOA_N Time Analyzed: 09:35
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	200122	7.86	296203	8.78	261764	11.61
UPPER LIMIT	400244	8.36	592406	9.28	523528	12.11
LOWER LIMIT	100061	7.36	148102	8.28	130882	11.11
EPA SAMPLE NO.						
FIELD BLANK	126550	7.87	219402	8.79	221785	11.61
TRIP BLANK	126415	7.87	219144	8.79	220236	11.61
VN0331WBL01	122728	7.87	216898	8.79	220945	11.61
VN0331WBS01	171606	7.87	265155	8.78	226974	11.61
VN0331WBSD01	167685	7.87	267333	8.79	230980	11.61

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG NO.: F1793
 Lab File ID: VN014069.D Date Analyzed: 03/31/2014
 Instrument ID: MSVOA_N Time Analyzed: 09:35
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	126681	13.56				
UPPER LIMIT	253362	14.06				
LOWER LIMIT	63340.5	13.06				
EPA SAMPLE NO.						
FIELDBLANK	76808	13.56				
TRIPBLANK	79240	13.56				
VN0331WBL01	78519	13.56				
VN0331WBS01	94988	13.56				
VN0331WBSD01	97017	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG NO.: F1793
 Lab File ID: VN014091.D Date Analyzed: 03/31/2014
 Instrument ID: MSVOA_N Time Analyzed: 22:39
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	187794	7.87	293052	8.78	253194	11.61
UPPER LIMIT	375588	8.37	586104	9.28	506388	12.11
LOWER LIMIT	93897	7.37	146526	8.28	126597	11.11
EPA SAMPLE NO.						
MW-10	132921	7.87	227552	8.79	228390	11.61
MW-11S	126765	7.87	221623	8.79	219375	11.61
MW-16	124027	7.87	220409	8.78	220729	11.61
MW-17	123041	7.87	219458	8.78	219710	11.61
MW-18	121155	7.87	216392	8.78	216686	11.61
MW-19	118907	7.87	210448	8.78	211529	11.61
MW-20	125917	7.87	221884	8.78	225754	11.61
VN0331WBL02	127612	7.87	221960	8.78	221479	11.61
VN0331WBS02	181713	7.87	288620	8.78	244283	11.61

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG NO.: F1793
 Lab File ID: VN014091.D Date Analyzed: 03/31/2014
 Instrument ID: MSVOA_N Time Analyzed: 22:39
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	111967	13.56				
UPPER LIMIT	223934	14.06				
LOWER LIMIT	55983.5	13.06				
EPA SAMPLE NO.						
MW-10	90798	13.56				
MW-11S	75789	13.56				
MW-16	75929	13.56				
MW-17	76034	13.56				
MW-18	72455	13.56				
MW-19	70548	13.56				
MW-20	79441	13.56				
VN0331WBL02	78872	13.56				
VN0331WBS02	99753	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL01	SDG No.:	F1793
Lab Sample ID:	VN0331WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014070.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL01	SDG No.:	F1793
Lab Sample ID:	VN0331WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014070.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	48.7		65 - 126		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		58 - 135		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122728	7.87				
540-36-3	1,4-Difluorobenzene	216898	8.79				
3114-55-4	Chlorobenzene-d5	220945	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	78519	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL01	SDG No.:	F1793
Lab Sample ID:	VN0331WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014070.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL02	SDG No.:	F1793
Lab Sample ID:	VN0331WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014092.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL02	SDG No.:	F1793
Lab Sample ID:	VN0331WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014092.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	48.8		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		58 - 135		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127612	7.87				
540-36-3	1,4-Difluorobenzene	221960	8.78				
3114-55-4	Chlorobenzene-d5	221479	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	78872	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBL02	SDG No.:	F1793
Lab Sample ID:	VN0331WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014092.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS01	SDG No.:	F1793
Lab Sample ID:	VN0331WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014071.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.8		0.2	0.2	1	ug/L
74-87-3	Chloromethane	18.6		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	18.5		0.2	0.2	1	ug/L
74-83-9	Bromomethane	15.2		0.2	0.2	1	ug/L
75-00-3	Chloroethane	18.6		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.2	0.2	1	ug/L
67-64-1	Acetone	100		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	18.5		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	18.3		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	17.9		0.2	0.2	1	ug/L
78-93-3	2-Butanone	100		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	15.4		0.2	0.5	1	ug/L
67-66-3	Chloroform	19.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18.7		0.2	0.2	1	ug/L
71-43-2	Benzene	19.2		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.2		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	18.7		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.4		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	100		1	1	5	ug/L
108-88-3	Toluene	18.7		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS01	SDG No.:	F1793
Lab Sample ID:	VN0331WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014071.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.9		0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	88.2		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.9		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	18.9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	18.9		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	18.8		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	38.2		0.4	0.4	2	ug/L
95-47-6	o-Xylene	19.5		0.2	0.2	1	ug/L
100-42-5	Styrene	19.3		0.2	0.2	1	ug/L
75-25-2	Bromoform	20.9		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	19.2		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.1		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	390		100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.4		61 - 141		91%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		69 - 133		92%	SPK: 50
2037-26-5	Toluene-d8	44.2		65 - 126		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		58 - 135		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171606	7.87				
540-36-3	1,4-Difluorobenzene	265155	8.78				
3114-55-4	Chlorobenzene-d5	226974	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	94988	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS01	SDG No.:	F1793
Lab Sample ID:	VN0331WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014071.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS02	SDG No.:	F1793
Lab Sample ID:	VN0331WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014093.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.1		0.2	0.2	1	ug/L
74-87-3	Chloromethane	19		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	19.9		0.2	0.2	1	ug/L
74-83-9	Bromomethane	18.8		0.2	0.2	1	ug/L
75-00-3	Chloroethane	20.8		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.2	0.2	1	ug/L
67-64-1	Acetone	100		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.2		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	22.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	23.8		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	20.7		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19.1		0.2	0.2	1	ug/L
78-93-3	2-Butanone	120		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	20		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.9		0.2	0.5	1	ug/L
67-66-3	Chloroform	21.5		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18.2		0.2	0.2	1	ug/L
71-43-2	Benzene	20.4		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	20.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	20		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	20.5		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	120		1	1	5	ug/L
108-88-3	Toluene	20.2		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	19.5		0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS02	SDG No.:	F1793
Lab Sample ID:	VN0331WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014093.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.5		0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	21.7		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	110		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	21.3		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	22.1		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	20.5		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20.4		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	40.3		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.4		0.2	0.2	1	ug/L
100-42-5	Styrene	20.4		0.2	0.2	1	ug/L
75-25-2	Bromoform	22.8		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	20.7		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	24.2		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	20.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	27.1		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.8		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	20		0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	510		100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181713	7.87				
540-36-3	1,4-Difluorobenzene	288620	8.78				
3114-55-4	Chlorobenzene-d5	244283	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	99753	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBS02	SDG No.:	F1793
Lab Sample ID:	VN0331WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014093.D	1		04/01/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBSD01	SDG No.:	F1793
Lab Sample ID:	VN0331WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014087.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.6		0.2	0.2	1	ug/L
74-87-3	Chloromethane	20.7		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	20.5		0.2	0.2	1	ug/L
74-83-9	Bromomethane	15.1		0.2	0.2	1	ug/L
75-00-3	Chloroethane	21.6		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	20.8		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.8		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	23.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	25.3		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	21.7		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	20.7		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	21.7		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	20.1		0.2	0.2	1	ug/L
78-93-3	2-Butanone	130		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	21.1		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	21.1		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	24		0.2	0.5	1	ug/L
67-66-3	Chloroform	21.9		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	21.5		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	20.1		0.2	0.2	1	ug/L
71-43-2	Benzene	20.8		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	21.7		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	20.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	20.9		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	130		1	1	5	ug/L
108-88-3	Toluene	20.7		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	20.4		0.2	0.2	1	ug/L

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBSD01	SDG No.:	F1793
Lab Sample ID:	VN0331WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014087.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	20.5		0.2	0.2	1	ug/L
79-00-5	1,1,2-Trichloroethane	22.1		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	120		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	21.5		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	23.3		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	20.5		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20.7		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20.6		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	41.9		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.7		0.2	0.2	1	ug/L
100-42-5	Styrene	21.1		0.2	0.2	1	ug/L
75-25-2	Bromoform	23.4		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	20.6		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	24.4		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	27.2		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.9		0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	560		100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.8		61 - 141		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		69 - 133		109%	SPK: 50
2037-26-5	Toluene-d8	52.6		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167685	7.87				
540-36-3	1,4-Difluorobenzene	267333	8.79				
3114-55-4	Chlorobenzene-d5	230980	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	97017	13.56				

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	NY-Standard Motor Products Site code 2-41-016	Date Received:	
Client Sample ID:	VN0331WBSD01	SDG No.:	F1793
Lab Sample ID:	VN0331WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN014087.D	1		03/31/14	VN033114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Calibration Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF020 = VN013859.D	RRF050 = VN013860.D	RRF100 = VN013861.D					
	RRF200 = VN013862.D	RRF001 = VN013864.D	RRF005 = VN013865.D					
COMPOUND	RRF020	RRF050	RRF100	RRF200	RRF001	RRF005	RRF	% RSD
Dichlorodifluoromethane	0.610	0.632	0.599	0.606	0.498	0.607	0.592	8
Chloromethane	0.843	0.796	0.736	0.720	0.960	0.715	0.795	11.9
Vinyl Chloride	0.621	0.600	0.570	0.557	0.596	0.581	0.587	3.9
Bromomethane	0.297	0.291	0.316	0.339	0.422	0.303	0.328	15
Chloroethane	0.417	0.394	0.379	0.373	0.389	0.374	0.388	4.3
Trichlorofluoromethane	0.941	0.908	0.863	0.834	0.877	0.891	0.886	4.2
1,1,2-Trichlorotrifluoroethane	0.495	0.507	0.484	0.476	0.496	0.489	0.491	2.2
1,1-Dichloroethene	0.495	0.474	0.470	0.454	0.471	0.442	0.468	3.8
Acetone	0.206	0.232	0.220	0.214	0.180	0.178	0.205	10.7
Carbon Disulfide	1.504	1.476	1.445	1.441	1.551	1.045	1.410	13
Methyl tert-butyl Ether	1.619	1.588	1.549	1.493	1.418	1.498	1.527	4.8
Methyl Acetate	0.759	0.752	0.754	0.732	0.614	0.479	0.682	16.6
Methylene Chloride	0.595	0.564	0.543	0.527	0.626	0.575	0.572	6.2
trans-1,2-Dichloroethene	0.520	0.510	0.498	0.487	0.522	0.452	0.498	5.3
1,1-Dichloroethane	1.092	1.043	1.028	0.991	1.031	1.019	1.034	3.2
Cyclohexane	1.073	1.060	1.016	0.996	2.023	1.066	1.206	33.3
2-Butanone	0.277	0.298	0.289	0.280	0.201	0.240	0.264	14
Carbon Tetrachloride	0.524	0.522	0.491	0.475	0.474	0.486	0.495	4.6
cis-1,2-Dichloroethene	0.625	0.605	0.581	0.557	0.620	0.564	0.592	4.9
Bromochloromethane	0.494	0.550	0.514	0.454	0.445	0.503	0.493	7.9
Chloroform	1.078	1.039	0.994	0.954	0.917	1.013	0.999	5.8
1,1,1-Trichloroethane	0.947	0.903	0.872	0.837	0.815	0.875	0.875	5.4
Methylcyclohexane	0.598	0.651	0.626	0.634	0.558	0.536	0.600	7.5
Benzene	1.540	1.501	1.420	1.400	1.356	1.394	1.435	4.9
1,2-Dichloroethane	0.564	0.541	0.519	0.499	0.495	0.551	0.528	5.4
Trichloroethene	0.378	0.376	0.360	0.356	0.343	0.339	0.359	4.5
1,2-Dichloropropane	0.424	0.410	0.394	0.389	0.395	0.403	0.403	3.2
Bromodichloromethane	0.535	0.532	0.500	0.494	0.467	0.487	0.502	5.3
4-Methyl-2-Pentanone	0.391	0.394	0.376	0.352	0.281	0.334	0.355	12.1
Toluene	0.923	0.919	0.864	0.859	0.816	0.854	0.873	4.7
t-1,3-Dichloropropene	0.507	0.537	0.530	0.540	0.406	0.433	0.492	11.8
cis-1,3-Dichloropropene	0.593	0.610	0.593	0.603	0.472	0.512	0.564	10.2
1,1,2-Trichloroethane	0.342	0.344	0.331	0.312	0.306	0.337	0.329	4.9

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Calibration Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF020 = VN013859.D		RRF050 = VN013860.D		RRF100 = VN013861.D		
		RRF200 = VN013862.D		RRF001 = VN013864.D		RRF005 = VN013865.D		
COMPOUND	RRF020	RRF050	RRF100	RRF200	RRF001	RRF005	RRF	% RSD
2-Hexanone	0.246	0.269	0.253	0.236	0.160	0.202	0.228	17.5
Dibromochloromethane	0.403	0.403	0.385	0.372	0.331	0.366	0.377	7.2
1,2-Dibromoethane	0.341	0.346	0.328	0.317	0.251	0.303	0.314	11
Tetrachloroethene	0.376	0.365	0.353	0.346	0.372	0.365	0.363	3.2
Chlorobenzene	1.120	1.111	1.059	1.038	1.083	1.073	1.081	2.9
Ethyl Benzene	1.929	1.952	1.863	1.831	1.670	1.784	1.838	5.6
m/p-Xylenes	0.717	0.721	0.694	0.681	0.583	0.657	0.676	7.6
o-Xylene	0.714	0.731	0.695	0.673	0.619	0.673	0.684	5.7
Styrene	1.073	1.142	1.104	1.078	0.772	0.922	1.015	13.9
Bromoform	0.309	0.313	0.297	0.277	0.230	0.284	0.285	10.7
Isopropylbenzene	4.541	4.355	4.111	3.973	4.734	4.510	4.371	6.5
1,1,2,2-Tetrachloroethane	1.219	1.108	1.016	0.913	1.282	1.194	1.122	12.3
1,3-Dichlorobenzene	1.853	1.820	1.712	1.650	1.841	1.802	1.780	4.5
1,4-Dichlorobenzene	1.800	1.802	1.708	1.674	1.853	1.784	1.770	3.8
1,2-Dichlorobenzene	1.871	1.828	1.694	1.589	1.834	1.896	1.786	6.7
1,2-Dibromo-3-Chloropropane	0.178	0.182	0.174	0.167	0.151	0.160	0.169	6.8
1,2,4-Trichlorobenzene	0.816	0.984	0.984	1.051	0.283	0.581	0.783	38.1
1,2,3-Trichlorobenzene	0.784	0.932	0.943	0.990	0.377	0.542	0.761	32.7
1,2-Dichloroethane-d4	0.786	0.683	0.657	0.614	0.654	0.674	0.678	8.5
Dibromofluoromethane	0.380	0.337	0.326	0.303	0.336	0.319	0.334	7.9
Toluene-d8	1.429	1.289	1.233	1.191	1.209	1.201	1.259	7.2
4-Bromofluorobenzene	0.471	0.449	0.425	0.411	0.398	0.391	0.424	7.3
1,4-Dioxane	0.004	0.004	0.004	0.004	0.003	0.004	0.004	8.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date/Time: 03/31/2014 09:35
 Lab File ID: VN014069.D Init. Calib. Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.592	0.617		4.22	20
Chloromethane	0.795	0.749	0.1	-5.79	20
Vinyl Chloride	0.587	0.566		-3.58	20
Bromomethane	0.328	0.253		-22.87	20
Chloroethane	0.388	0.389		0.26	20
Trichlorofluoromethane	0.886	0.898		1.35	20
1,1,2-Trichlorotrifluoroethane	0.491	0.510		3.87	20
1,1-Dichloroethene	0.468	0.476		1.71	20
Acetone	0.205	0.284		38.54	20
Carbon Disulfide	1.410	1.438		1.99	20
Methyl tert-butyl Ether	1.527	1.575		3.14	20
Methyl Acetate	0.682	0.737		8.06	20
Methylene Chloride	0.572	0.560		-2.1	20
trans-1,2-Dichloroethene	0.498	0.510		2.41	20
1,1-Dichloroethane	1.034	1.049	0.1	1.45	20
Cyclohexane	1.206	1.021		-15.34	20
2-Butanone	0.264	0.315		19.32	20
Carbon Tetrachloride	0.495	0.549		10.91	20
cis-1,2-Dichloroethene	0.592	0.600		1.35	20
Bromochloromethane	0.493	0.477		-3.24	20
Chloroform	0.999	1.027		2.8	20
1,1,1-Trichloroethane	0.875	0.913		4.34	20
Methylcyclohexane	0.600	0.671		11.83	20
Benzene	1.435	1.525		6.27	20
1,2-Dichloroethane	0.528	0.571		8.14	20
Trichloroethene	0.359	0.396		10.31	20
1,2-Dichloropropane	0.403	0.423		4.96	20
Bromodichloromethane	0.502	0.547		8.96	20
4-Methyl-2-Pentanone	0.355	0.397		11.83	20
Toluene	0.873	0.934		6.99	20
t-1,3-Dichloropropene	0.492	0.580		17.89	20
cis-1,3-Dichloropropene	0.564	0.646		14.54	20
1,1,2-Trichloroethane	0.329	0.355		7.9	20
2-Hexanone	0.228	0.285		25	20
Dibromochloromethane	0.377	0.427		13.26	20
1,2-Dibromoethane	0.314	0.359		14.33	20
Tetrachloroethene	0.363	0.392		7.99	20
Chlorobenzene	1.081	1.162	0.3	7.49	20
Ethyl Benzene	1.838	2.016		9.68	20
m/p-Xylenes	0.676	0.760		12.43	20
o-Xylene	0.684	0.749		9.5	20
Styrene	1.015	1.204		18.62	20

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date/Time: 03/31/2014 09:35
 Lab File ID: VN014069.D Init. Calib. Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromoform	0.285	0.332	0.1	16.49	20
Isopropylbenzene	4.371	4.213		-3.62	20
1,1,2,2-Tetrachloroethane	1.122	1.044	0.3	-6.95	20
1,3-Dichlorobenzene	1.780	1.845		3.65	20
1,4-Dichlorobenzene	1.770	1.829		3.33	20
1,2-Dichlorobenzene	1.786	1.786		0	20
1,2-Dibromo-3-Chloropropane	0.169	0.172		1.77	20
1,2,4-Trichlorobenzene	0.783	1.001		27.84	20
1,2,3-Trichlorobenzene	0.761	0.910		19.58	20
1,2-Dichloroethane-d4	0.678	0.638		-5.9	20
Dibromofluoromethane	0.334	0.335		0.3	20
Toluene-d8	1.259	1.247		-0.95	20
4-Bromofluorobenzene	0.424	0.437		3.07	20
1,4-Dioxane	0.004	0.004	0.05	0	50

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date/Time: 03/31/2014 22:39
 Lab File ID: VN014091.D Init. Calib. Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.592	0.603		1.86	20
Chloromethane	0.795	0.789	0.1	-0.75	20
Vinyl Chloride	0.587	0.624		6.3	20
Bromomethane	0.328	0.325		-0.92	20
Chloroethane	0.388	0.440		13.4	20
Trichlorofluoromethane	0.886	0.997		12.53	20
1,1,2-Trichlorotrifluoroethane	0.491	0.461		-6.11	20
1,1-Dichloroethene	0.468	0.468		0	20
Acetone	0.205	0.214		4.39	20
Carbon Disulfide	1.410	1.339		-5.03	20
Methyl tert-butyl Ether	1.527	1.710		11.98	20
Methyl Acetate	0.682	0.925		35.63	20
Methylene Chloride	0.572	0.560		-2.1	20
trans-1,2-Dichloroethene	0.498	0.496		-0.4	20
1,1-Dichloroethane	1.034	1.065	0.1	3	20
Cyclohexane	1.206	0.974		-19.24	20
2-Butanone	0.264	0.339		28.41	20
Carbon Tetrachloride	0.495	0.501		1.21	20
cis-1,2-Dichloroethene	0.592	0.596		0.68	20
Bromochloromethane	0.493	0.526		6.69	20
Chloroform	0.999	1.028		2.9	20
1,1,1-Trichloroethane	0.875	0.905		3.43	20
Methylcyclohexane	0.600	0.571		-4.83	20
Benzene	1.435	1.458		1.6	20
1,2-Dichloroethane	0.528	0.552		4.55	20
Trichloroethene	0.359	0.363		1.11	20
1,2-Dichloropropane	0.403	0.404		0.25	20
Bromodichloromethane	0.502	0.516		2.79	20
4-Methyl-2-Pentanone	0.355	0.478		34.65	20
Toluene	0.873	0.883		1.14	20
t-1,3-Dichloropropene	0.492	0.525		6.71	20
cis-1,3-Dichloropropene	0.564	0.586		3.9	20
1,1,2-Trichloroethane	0.329	0.359		9.12	20
2-Hexanone	0.228	0.312		36.84	20
Dibromochloromethane	0.377	0.407		7.96	20
1,2-Dibromoethane	0.314	0.360		14.65	20
Tetrachloroethene	0.363	0.366		0.83	20
Chlorobenzene	1.081	1.102	0.3	1.94	20
Ethyl Benzene	1.838	1.888		2.72	20
m/p-Xylenes	0.676	0.704		4.14	20
o-Xylene	0.684	0.713		4.24	20
Styrene	1.015	1.106		8.97	20

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: F1793 SAS No.: F1793 SDG No.: F1793
 Instrument ID: MSVOA_N Calibration Date/Time: 03/31/2014 22:39
 Lab File ID: VN014091.D Init. Calib. Date(s): 03/24/2014 03/24/2014
 Heated Purge: (Y/N) N Init. Calib. Time(s): 16:21 20:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromoform	0.285	0.338	0.1	18.6	20
Isopropylbenzene	4.371	4.284		-1.99	20
1,1,2,2-Tetrachloroethane	1.122	1.268	0.3	13.01	20
1,3-Dichlorobenzene	1.780	1.781		0.06	20
1,4-Dichlorobenzene	1.770	1.754		-0.9	20
1,2-Dichlorobenzene	1.786	1.794		0.45	20
1,2-Dibromo-3-Chloropropane	0.169	0.219		29.59	20
1,2,4-Trichlorobenzene	0.783	0.988		26.18	20
1,2,3-Trichlorobenzene	0.761	0.972		27.73	20
1,2-Dichloroethane-d4	0.678	0.678		0	20
Dibromofluoromethane	0.334	0.327		-2.1	20
Toluene-d8	1.259	1.209		-3.97	20
4-Bromofluorobenzene	0.424	0.403		-4.95	20
1,4-Dioxane	0.004	0.005	0.05	25	50

All other compounds must meet a minimum RRF of 0.010.

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

F1793

QUOTE NO.

COC Number 025848

4.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave., #8
CITY: Edison STATE: NJ ZIP: 08873
ATTENTION: Warren Newman
PHONE: 732-590-4583 FAX: —

CLIENT PROJECT INFORMATION

PROJECT NAME: Standard Motor Products
PROJECT NO: 46200 LOCATION: LIC, NY
PROJECT MANAGER: Warren Newman
e-mail: newmanwj@cdmsmith.com
PHONE: 732-590-4583 FAX: —

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO# 46200.14.05
ADDRESS: 110 Fieldcrest Ave., #8
CITY: Edison STATE: NJ ZIP: 08873
ATTENTION: W. Newman PHONE: 732-590-4583

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: _____ DAYS: _____
HARD COPY: NORMAL DAYS: _____
EDD: TAT DAYS: _____
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others _____
☒ LEVEL 2: Results + QC NYSDEC COMPLIANT
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: NYSDEC

VOC (8260B) LOW

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A	1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other
1.	MW-10	AQ		X	3/26/14	10:05	2	X										
2.	MW-11S	AQ		X	"	10:35	2	X										
3.	MW-16	AQ		X	"	09:40	2	X										
4.	MW-17	AQ		X	"	09:10	2	X										
5.	MW-18	AQ		X	"	09:25	2	X										
6.	MW-19	AQ		X	"	10:55	2	X										
7.	MW-20	AQ		X	"	09:50	2	X										
8.	FIELD BLANK	AQ		X	"	08:55	2	X										
9.	TRIP BLANK	AQ		X	"	—	2	X										
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>905</u>	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp. <u>5°C</u>
1. <u>Warren Newman</u>	3:27:14	1. <u>[Signature]</u>	MeOH extraction requires an additional 4 oz jar for percent solid.	Ice In Cooler?: <u>YES</u>
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	Comments: <u>ANNUAL GROUND WATER SAMPLING EVENT</u>	
2. <u>[Signature]</u>		2. <u>[Signature]</u>	<u>8-MONTH AFTER BASELINE</u>	
RELINQUISHED BY:	DATE/TIME: <u>1610</u>	RECEIVED FOR LAB BY:	SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT	Shipment Complete: ☒ YES ☐ NO
3. <u>[Signature]</u>	3:27:14	3. <u>[Signature]</u>	CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT	