



*Alpha*

Alpha Analytical Laboratories, Inc.

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Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

18 August 2020

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA (NP)

Work Order: 20H0025

Enclosed are the results of analyses for samples received by the laboratory on 08/03/20 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Chelsea L. Sandelin

Project Manager



Alpha Analytical Laboratories, Inc. email: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)  
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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch #2020031003 / 2020040703

Reported:  
08/18/20 08:26

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728  
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922  
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303  
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510 | ELAP# 3055

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A0210CUBS - 01	20H0025-01	Water	08/03/20 00:00	08/03/20 08:00
A0210CUBS - 02	20H0025-02	Water	08/03/20 00:00	08/03/20 08:00



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Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch #2020031003 / 2020040703

Reported:  
 08/18/20 08:26

### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
			Limit										
<b>A0210CUBS - 02 (20H0025-02) Water</b> Sampled: 08/03/20 00:00 Received: 08/03/20 08:00													
Acetone	ND	2.0	5.0		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Benzene	ND	0.10	0.30		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Bromobenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Bromoform	ND	0.30	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Bromomethane	ND	0.40	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
sec-Butylbenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Chlorobenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Chloroethane	ND	0.30	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Chloroform	ND	0.30	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Chloromethane	ND	0.40	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
2-Chlorotoluene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
4-Chlorotoluene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Dibromomethane	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2-Dichlorobenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,3-Dichlorobenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,4-Dichlorobenzene	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1-Dichloroethane	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2-Dichloroethane	ND	0.10	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.30		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
trans-1,2-Dichloroethene	ND	0.10	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2-Dichloropropane	ND	0.20	0.50		ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A0210CUBS - 02 (20H0025-02) Water Sampled: 08/03/20 00:00 Received: 08/03/20 08:00</b>												
1,3-Dichloropropane	ND	0.10	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1-Dichloropropene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Ethylbenzene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Isopropylbenzene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Methyl ethyl ketone	ND	0.20	1.0	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Methyl isobutyl ketone	ND	0.30	1.0	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Styrene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Tetrachloroethene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Toluene	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Trichloroethene	ND	0.10	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2,3-Trichloropropane	ND	0.10	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
o-Xylene	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Xylenes (total)	ND	0.20	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A0210CUBS - 02 (20H0025-02) Water</b> <b>Sampled: 08/03/20 00:00</b> <b>Received: 08/03/20 08:00</b>												
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	U
Surrogate: Bromofluorobenzene		101 %	70-130			AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	
Surrogate: Dibromofluoromethane		78.0 %	70-130			AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	
Surrogate: Toluene-d8		101 %	70-130			AH03438	08/07/20 11:00	08/07/20 12:47	EPA 524.2	JV	1551	



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Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch #2020031003 / 2020040703

Reported:  
 08/18/20 08:26

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A0210CUBS - 01 (20H0025-01) Water Sampled: 08/03/20 00:00 Received: 08/03/20 08:00</b>												
Acetone	ND	3.0	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Acetonitrile	ND	50	100	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Allyl chloride	ND	0.40	10	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Benzene	ND	0.30	0.30	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Chloroethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Chloroform	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Chloroprene	ND	0.40	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1-Dichloroethane	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U

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Sample Traps, LLC  
 262 Rickenbacker Circle  
 Livermore CA, 94551

Project Manager: Quality Control Manager  
 Project: QC- 40ml Amber VOA (NP)  
 Project Number: Silicone Batch #2020031003 / 2020040703

Reported:  
 08/18/20 08:26

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A0210CUBS - 01 (20H0025-01) Water Sampled: 08/03/20 00:00 Received: 08/03/20 08:00</b>												
1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
2,2-Dichloropropane	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Ethanol	ND	20	50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Isobutanol	ND	40	100	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Propionitrile	ND	20	50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Styrene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Toluene	ND	0.30	0.30	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A0210CUBS - 01 (20H0025-01) Water</b> <b>Sampled: 08/03/20 00:00</b> <b>Received: 08/03/20 08:00</b>												
1,2,4-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
o-Xylene	ND	0.40	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	U
Surrogate: Bromofluorobenzene		103 %	70-130			AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	
Surrogate: Dibromofluoromethane		113 %	70-130			AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	
Surrogate: Toluene-d8		99.3 %	70-130			AH03259	08/05/20 08:00	08/05/20 10:53	EPA 8260B	JV	1551	





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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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### Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch AH03438 - VOAs in Water GCMS

##### Blank (AH03438-BLK1)

Prepared & Analyzed: 08/06/20

Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.10	0.30	ug/L							U
Bromobenzene	ND	0.20	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.20	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.50	0.50	ug/L							U
sec-Butylbenzene	ND	0.20	0.50	ug/L							U
tert-Butylbenzene	ND	0.50	0.50	ug/L							U
Carbon disulfide	ND	0.40	0.50	ug/L							U
Carbon tetrachloride	ND	0.30	0.50	ug/L							U
Chlorobenzene	ND	0.20	0.50	ug/L							U
Chloroethane	ND	0.30	0.50	ug/L							U
Chloroform	ND	0.30	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.20	0.50	ug/L							U
4-Chlorotoluene	ND	0.20	0.50	ug/L							U
Dibromochloromethane	ND	0.30	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L							U
Dibromomethane	ND	0.20	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L							U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L							U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethane	ND	0.20	0.50	ug/L							U
1,2-Dichloroethane	ND	0.10	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.30	ug/L							U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L							U
1,2-Dichloropropane	ND	0.20	0.50	ug/L							U
1,3-Dichloropropane	ND	0.10	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**Blank (AH03438-BLK1)**

Prepared & Analyzed: 08/06/20

1,1-Dichloropropene	ND	0.20	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L							U
Ethylbenzene	ND	0.20	0.50	ug/L							U
2-Hexanone	ND	0.50	5.0	ug/L							U
Hexachlorobutadiene	ND	0.40	0.50	ug/L							U
Isopropylbenzene	ND	0.20	0.50	ug/L							U
p-Isopropyltoluene	ND	0.50	0.50	ug/L							U
Methyl ethyl ketone	ND	0.20	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.30	1.0	ug/L							U
Methylene chloride	ND	0.40	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.50	0.50	ug/L							U
Styrene	ND	0.20	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L							U
Tetrachloroethene	ND	0.20	0.50	ug/L							U
Toluene	ND	0.30	0.50	ug/L							U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L							U
Trichloroethene	ND	0.10	0.50	ug/L							U
Trichlorofluoromethane	ND	0.50	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.10	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L							U
Vinyl chloride	ND	0.50	0.50	ug/L							U
m,p-Xylene	ND	0.20	0.50	ug/L							U
o-Xylene	ND	0.20	0.50	ug/L							U
Xylenes (total)	ND	0.20	0.50	ug/L							U
Trihalomethanes (total)	ND	0.30	0.50	ug/L							U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L							U

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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**Blank (AH03438-BLK1)**

Prepared & Analyzed: 08/06/20

Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	26.1			ug/L	25.0		104	70-130			
Surrogate: Dibromofluoromethane	20.2			ug/L	25.0		81.0	70-130			
Surrogate: Toluene-d8	25.5			ug/L	25.0		102	70-130			

**LCS (AH03438-BS1)**

Prepared & Analyzed: 08/06/20

Acetone	22.7	2.0	5.0	ug/L	20.0		114	70-130			
Acrylonitrile	5.52	0.40	5.0	ug/L	5.00		110	70-130			
Benzene	4.98	0.10	0.30	ug/L	5.00		99.6	70-130			
Bromobenzene	5.17	0.20	0.50	ug/L	5.00		103	70-130			
Bromochloromethane	5.01	0.40	0.50	ug/L	5.00		100	70-130			
Bromodichloromethane	5.09	0.20	0.50	ug/L	5.00		102	70-130			
Bromoform	4.64	0.30	0.50	ug/L	5.00		92.8	70-130			
Bromomethane	5.39	0.40	0.50	ug/L	5.00		108	70-130			
n-Butylbenzene	5.00	0.50	0.50	ug/L	5.00		100	70-130			
sec-Butylbenzene	5.16	0.20	0.50	ug/L	5.00		103	70-130			
tert-Butylbenzene	5.17	0.50	0.50	ug/L	5.00		103	70-130			
Carbon disulfide	4.41	0.40	0.50	ug/L	5.00		88.2	70-130			
Carbon tetrachloride	4.75	0.30	0.50	ug/L	5.00		95.0	70-130			
Chlorobenzene	4.99	0.20	0.50	ug/L	5.00		99.8	70-130			
Chloroethane	5.50	0.30	0.50	ug/L	5.00		110	70-130			
Chloroform	4.87	0.30	0.50	ug/L	5.00		97.4	70-130			
Chloromethane	6.17	0.40	0.50	ug/L	5.00		123	70-130			
2-Chlorotoluene	5.25	0.20	0.50	ug/L	5.00		105	70-130			
4-Chlorotoluene	5.18	0.20	0.50	ug/L	5.00		104	70-130			
Dibromochloromethane	4.87	0.30	0.50	ug/L	5.00		97.4	70-130			
1,2-Dibromo-3-chloropropane	4.12	0.50	0.50	ug/L	5.00		82.4	70-130			
1,2-Dibromoethane (EDB)	5.05	0.20	0.50	ug/L	5.00		101	70-130			
Dibromomethane	4.86	0.20	0.50	ug/L	5.00		97.2	70-130			
1,2-Dichlorobenzene	4.71	0.20	0.50	ug/L	5.00		94.2	70-130			
1,3-Dichlorobenzene	4.95	0.20	0.50	ug/L	5.00		99.0	70-130			
1,4-Dichlorobenzene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130			
trans-1,4-Dichloro-2-butene	3.79	0.90	5.0	ug/L	5.00		75.8	70-130			J
Dichlorodifluoromethane	5.69	0.50	0.50	ug/L	5.00		114	70-130			
1,1-Dichloroethane	4.27	0.20	0.50	ug/L	5.00		85.4	70-130			
1,2-Dichloroethane	4.12	0.10	0.50	ug/L	5.00		82.4	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**LCS (AH03438-BS1)**

Prepared & Analyzed: 08/06/20

1,1-Dichloroethene	4.70	0.30	0.30	ug/L	5.00		94.0	70-130			
cis-1,2-Dichloroethene	4.24	0.10	0.50	ug/L	5.00		84.8	70-130			
trans-1,2-Dichloroethene	3.97	0.10	0.50	ug/L	5.00		79.4	70-130			
1,2-Dichloropropane	4.80	0.20	0.50	ug/L	5.00		96.0	70-130			
1,3-Dichloropropane	5.05	0.10	0.50	ug/L	5.00		101	70-130			
2,2-Dichloropropane	3.86	0.30	0.50	ug/L	5.00		77.2	70-130			
1,1-Dichloropropene	5.06	0.20	0.50	ug/L	5.00		101	70-130			
cis-1,3-Dichloropropene	3.90	0.30	0.50	ug/L	5.00		78.0	70-130			
trans-1,3-Dichloropropene	4.07	0.30	0.50	ug/L	5.00		81.4	70-130			
Ethylbenzene	5.14	0.20	0.50	ug/L	5.00		103	70-130			
2-Hexanone	5.27	0.50	5.0	ug/L	5.00		105	70-130			
Hexachlorobutadiene	4.23	0.40	0.50	ug/L	5.00		84.6	70-130			
Isopropylbenzene	5.27	0.20	0.50	ug/L	5.00		105	70-130			
p-Isopropyltoluene	5.06	0.50	0.50	ug/L	5.00		101	70-130			
Methyl ethyl ketone	7.11	0.20	1.0	ug/L	10.0		71.1	70-130			
Methyl iodide	5.19	0.40	2.0	ug/L	5.00		104	70-130			
Methyl isobutyl ketone	9.67	0.30	1.0	ug/L	10.0		96.7	70-130			
Methylene chloride	4.90	0.40	0.50	ug/L	5.00		98.0	70-130			
Naphthalene	4.89	0.50	0.50	ug/L	5.00		97.8	70-130			
n-Propylbenzene	5.14	0.50	0.50	ug/L	5.00		103	70-130			
Styrene	5.17	0.20	0.50	ug/L	5.00		103	70-130			
1,1,1,2-Tetrachloroethane	4.66	0.40	0.50	ug/L	5.00		93.2	70-130			
1,1,1,2,2-Tetrachloroethane	5.14	0.20	0.50	ug/L	5.00		103	70-130			
Tetrachloroethene	5.00	0.20	0.50	ug/L	5.00		100	70-130			
Toluene	5.34	0.30	0.50	ug/L	5.00		107	70-130			
1,2,3-Trichlorobenzene	4.98	0.40	0.50	ug/L	5.00		99.6	70-130			
1,2,4-Trichlorobenzene	4.73	0.40	0.50	ug/L	5.00		94.6	70-130			
1,1,1-Trichloroethane	4.81	0.40	0.50	ug/L	5.00		96.2	70-130			
1,1,2-Trichloroethane	5.35	0.20	0.50	ug/L	5.00		107	70-130			
Trichloroethene	4.94	0.10	0.50	ug/L	5.00		98.8	70-130			
Trichlorofluoromethane	5.48	0.50	0.50	ug/L	5.00		110	70-130			
Trichlorotrifluoroethane	5.62	0.40	0.50	ug/L	5.00		112	70-130			
1,2,3-Trichloropropane	5.29	0.10	0.50	ug/L	5.00		106	70-130			
1,2,4-Trimethylbenzene	5.27	0.50	0.50	ug/L	5.00		105	70-130			
1,3,5-Trimethylbenzene	5.24	0.50	0.50	ug/L	5.00		105	70-130			
Vinyl chloride	5.60	0.50	0.50	ug/L	5.00		112	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**LCS (AH03438-BS1)**

Prepared & Analyzed: 08/06/20

m,p-Xylene	10.4	0.20	0.50	ug/L	10.0	104	70-130				
o-Xylene	5.20	0.20	0.50	ug/L	5.00	104	70-130				
Xylenes (total)	15.6	0.20	0.50	ug/L	15.0	104	70-130				
Methyl tert-butyl ether	4.47	0.50	3.0	ug/L	5.00	89.4	70-130				
Ethyl tert-butyl ether	4.81	0.40	0.50	ug/L	5.00	96.2	70-130				
Tert-amyl methyl ether	4.85	0.30	0.50	ug/L	5.00	97.0	70-130				
Surrogate: Bromofluorobenzene	26.0			ug/L	25.0	104	70-130				
Surrogate: Dibromofluoromethane	20.8			ug/L	25.0	83.2	70-130				
Surrogate: Toluene-d8	25.3			ug/L	25.0	101	70-130				

**LCS Dup (AH03438-BSD1)**

Prepared: 08/06/20 Analyzed: 08/07/20

Acetone	20.9	2.0	5.0	ug/L	20.0	105	70-130	8.25	30		
Acrylonitrile	5.56	0.40	5.0	ug/L	5.00	111	70-130	0.722	30		
Benzene	5.26	0.10	0.30	ug/L	5.00	105	70-130	5.47	30		
Bromobenzene	5.21	0.20	0.50	ug/L	5.00	104	70-130	0.771	30		
Bromochloromethane	5.35	0.40	0.50	ug/L	5.00	107	70-130	6.56	30		
Bromodichloromethane	5.11	0.20	0.50	ug/L	5.00	102	70-130	0.392	30		
Bromoform	4.75	0.30	0.50	ug/L	5.00	95.0	70-130	2.34	30		
Bromomethane	5.36	0.40	0.50	ug/L	5.00	107	70-130	0.558	30		
n-Butylbenzene	5.12	0.50	0.50	ug/L	5.00	102	70-130	2.37	30		
sec-Butylbenzene	5.24	0.20	0.50	ug/L	5.00	105	70-130	1.54	30		
tert-Butylbenzene	5.09	0.50	0.50	ug/L	5.00	102	70-130	1.56	30		
Carbon disulfide	4.82	0.40	0.50	ug/L	5.00	96.4	70-130	8.88	30		
Carbon tetrachloride	5.21	0.30	0.50	ug/L	5.00	104	70-130	9.24	30		
Chlorobenzene	5.00	0.20	0.50	ug/L	5.00	100	70-130	0.200	30		
Chloroethane	5.59	0.30	0.50	ug/L	5.00	112	70-130	1.62	30		
Chloroform	4.95	0.30	0.50	ug/L	5.00	99.0	70-130	1.63	30		
Chloromethane	6.42	0.40	0.50	ug/L	5.00	128	70-130	3.97	30		
2-Chlorotoluene	5.28	0.20	0.50	ug/L	5.00	106	70-130	0.570	30		
4-Chlorotoluene	5.12	0.20	0.50	ug/L	5.00	102	70-130	1.17	30		
Dibromochloromethane	4.93	0.30	0.50	ug/L	5.00	98.6	70-130	1.22	30		
1,2-Dibromo-3-chloropropane	4.07	0.50	0.50	ug/L	5.00	81.4	70-130	1.22	25		
1,2-Dibromoethane (EDB)	4.99	0.20	0.50	ug/L	5.00	99.8	70-130	1.20	25		
Dibromomethane	5.20	0.20	0.50	ug/L	5.00	104	70-130	6.76	30		
1,2-Dichlorobenzene	4.88	0.20	0.50	ug/L	5.00	97.6	70-130	3.55	30		
1,3-Dichlorobenzene	4.91	0.20	0.50	ug/L	5.00	98.2	70-130	0.811	30		
trans-1,4-Dichloro-2-butene	3.66	0.90	5.0	ug/L	5.00	73.2	70-130	3.49	25		J

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**LCS Dup (AH03438-BSD1)**

Prepared: 08/06/20 Analyzed: 08/07/20

1,4-Dichlorobenzene	4.88	0.20	0.50	ug/L	5.00		97.6	70-130	2.28	30	
Dichlorodifluoromethane	6.06	0.50	0.50	ug/L	5.00		121	70-130	6.30	30	
1,1-Dichloroethane	4.54	0.20	0.50	ug/L	5.00		90.8	70-130	6.13	30	
1,2-Dichloroethane	4.45	0.10	0.50	ug/L	5.00		89.0	70-130	7.70	30	
1,1-Dichloroethene	4.96	0.30	0.30	ug/L	5.00		99.2	70-130	5.38	30	
cis-1,2-Dichloroethene	4.63	0.10	0.50	ug/L	5.00		92.6	70-130	8.79	30	
trans-1,2-Dichloroethene	4.38	0.10	0.50	ug/L	5.00		87.6	70-130	9.82	30	
1,2-Dichloropropane	5.04	0.20	0.50	ug/L	5.00		101	70-130	4.88	30	
1,3-Dichloropropane	5.02	0.10	0.50	ug/L	5.00		100	70-130	0.596	30	
2,2-Dichloropropane	4.13	0.30	0.50	ug/L	5.00		82.6	70-130	6.76	30	
1,1-Dichloropropene	5.38	0.20	0.50	ug/L	5.00		108	70-130	6.13	30	
cis-1,3-Dichloropropene	3.93	0.30	0.50	ug/L	5.00		78.6	70-130	0.766	30	
trans-1,3-Dichloropropene	3.94	0.30	0.50	ug/L	5.00		78.8	70-130	3.25	30	
2-Hexanone	5.30	0.50	5.0	ug/L	5.00		106	70-130	0.568	25	
Ethylbenzene	5.18	0.20	0.50	ug/L	5.00		104	70-130	0.775	30	
Hexachlorobutadiene	4.82	0.40	0.50	ug/L	5.00		96.4	70-130	13.0	30	
Isopropylbenzene	5.29	0.20	0.50	ug/L	5.00		106	70-130	0.379	30	
p-Isopropyltoluene	5.16	0.50	0.50	ug/L	5.00		103	70-130	1.96	30	
Methyl ethyl ketone	7.50	0.20	1.0	ug/L	10.0		75.0	70-130	5.34	30	
Methyl iodide	5.36	0.40	2.0	ug/L	5.00		107	70-130	3.22	25	
Methyl isobutyl ketone	10.2	0.30	1.0	ug/L	10.0		102	70-130	5.53	30	
Methylene chloride	5.00	0.40	0.50	ug/L	5.00		100	70-130	2.02	30	
Naphthalene	5.05	0.50	0.50	ug/L	5.00		101	70-130	3.22	30	
n-Propylbenzene	5.17	0.50	0.50	ug/L	5.00		103	70-130	0.582	30	
Styrene	5.17	0.20	0.50	ug/L	5.00		103	70-130	0.00	30	
1,1,1,2-Tetrachloroethane	4.59	0.40	0.50	ug/L	5.00		91.8	70-130	1.51	30	
1,1,2,2-Tetrachloroethane	5.27	0.20	0.50	ug/L	5.00		105	70-130	2.50	30	
Tetrachloroethene	4.97	0.20	0.50	ug/L	5.00		99.4	70-130	0.602	30	
Toluene	5.26	0.30	0.50	ug/L	5.00		105	70-130	1.51	30	
1,2,3-Trichlorobenzene	5.15	0.40	0.50	ug/L	5.00		103	70-130	3.36	30	
1,2,4-Trichlorobenzene	4.96	0.40	0.50	ug/L	5.00		99.2	70-130	4.75	30	
1,1,1-Trichloroethane	4.90	0.40	0.50	ug/L	5.00		98.0	70-130	1.85	30	
1,1,2-Trichloroethane	5.12	0.20	0.50	ug/L	5.00		102	70-130	4.39	30	
Trichloroethene	5.25	0.10	0.50	ug/L	5.00		105	70-130	6.08	30	
Trichlorofluoromethane	5.88	0.50	0.50	ug/L	5.00		118	70-130	7.04	30	
Trichlorotrifluoroethane	5.84	0.40	0.50	ug/L	5.00		117	70-130	3.84	30	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

**LCS Dup (AH03438-BSD1)**

Prepared: 08/06/20 Analyzed: 08/07/20

1,2,3-Trichloropropane	5.21	0.10	0.50	ug/L	5.00	104	70-130	1.52	25	
1,2,4-Trimethylbenzene	5.32	0.50	0.50	ug/L	5.00	106	70-130	0.944	30	
1,3,5-Trimethylbenzene	5.24	0.50	0.50	ug/L	5.00	105	70-130	0.00	30	
Vinyl chloride	6.29	0.50	0.50	ug/L	5.00	126	70-130	11.6	30	
m,p-Xylene	10.4	0.20	0.50	ug/L	10.0	104	70-130	0.480	30	
o-Xylene	5.20	0.20	0.50	ug/L	5.00	104	70-130	0.00	30	
Xylenes (total)	15.6	0.20	0.50	ug/L	15.0	104	70-130	0.320	30	
Methyl tert-butyl ether	4.83	0.50	3.0	ug/L	5.00	96.6	70-130	7.74	30	
Ethyl tert-butyl ether	4.82	0.40	0.50	ug/L	5.00	96.4	70-130	0.208	30	
Tert-amyl methyl ether	5.57	0.30	0.50	ug/L	5.00	111	70-130	13.8	30	
Surrogate: Bromofluorobenzene	25.7			ug/L	25.0	103	70-130			
Surrogate: Dibromofluoromethane	22.3			ug/L	25.0	89.2	70-130			
Surrogate: Toluene-d8	25.2			ug/L	25.0	101	70-130			

**Matrix Spike (AH03438-MS1)**

Source: 20G3508-01

Prepared: 08/06/20 Analyzed: 08/07/20

Acetone	16.8	2.0	5.0	ug/L	20.0	ND	83.8	70-130		
Acrylonitrile	4.98	0.40	5.0	ug/L	5.00	ND	99.6	70-130		J
Benzene	5.17	0.10	0.30	ug/L	5.00	ND	103	70-130		
Bromobenzene	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130		
Bromochloromethane	4.80	0.40	0.50	ug/L	5.00	ND	96.0	70-130		
Bromodichloromethane	5.04	0.20	0.50	ug/L	5.00	ND	101	70-130		
Bromoform	4.62	0.30	0.50	ug/L	5.00	ND	92.4	70-130		
Bromomethane	5.29	0.40	0.50	ug/L	5.00	ND	106	70-130		
n-Butylbenzene	5.90	0.50	0.50	ug/L	5.00	ND	118	70-130		
sec-Butylbenzene	5.88	0.20	0.50	ug/L	5.00	ND	118	70-130		
tert-Butylbenzene	5.64	0.50	0.50	ug/L	5.00	ND	113	70-130		
Carbon disulfide	4.69	0.40	0.50	ug/L	5.00	ND	93.8	70-130		
Carbon tetrachloride	5.09	0.30	0.50	ug/L	5.00	ND	102	70-130		
Chlorobenzene	5.33	0.20	0.50	ug/L	5.00	ND	107	70-130		
Chloroethane	5.46	0.30	0.50	ug/L	5.00	ND	109	70-130		
Chloroform	4.88	0.30	0.50	ug/L	5.00	ND	97.6	70-130		
Chloromethane	6.07	0.40	0.50	ug/L	5.00	ND	121	70-130		
2-Chlorotoluene	5.54	0.20	0.50	ug/L	5.00	ND	111	70-130		
4-Chlorotoluene	5.39	0.20	0.50	ug/L	5.00	ND	108	70-130		
Dibromochloromethane	4.87	0.30	0.50	ug/L	5.00	ND	97.4	70-130		
1,2-Dibromo-3-chloropropane	3.85	0.50	0.50	ug/L	5.00	ND	77.0	70-130		
1,2-Dibromoethane (EDB)	4.91	0.20	0.50	ug/L	5.00	ND	98.2	70-130		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

Matrix Spike (AH03438-MS1)	Source: 20G3508-01			Prepared: 08/06/20		Analyzed: 08/07/20				
Dibromomethane	4.71	0.20	0.50	ug/L	5.00	ND	94.2	70-130		
1,2-Dichlorobenzene	5.07	0.20	0.50	ug/L	5.00	ND	101	70-130		
1,3-Dichlorobenzene	5.28	0.20	0.50	ug/L	5.00	ND	106	70-130		
1,4-Dichlorobenzene	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130		
trans-1,4-Dichloro-2-butene	3.44	0.90	5.0	ug/L	5.00	ND	68.8	70-130		QM-05, J
Dichlorodifluoromethane	6.37	0.50	0.50	ug/L	5.00	ND	127	70-130		
1,1-Dichloroethane	4.25	0.20	0.50	ug/L	5.00	ND	85.0	70-130		
1,2-Dichloroethane	4.13	0.10	0.50	ug/L	5.00	ND	82.6	70-130		
1,1-Dichloroethene	5.08	0.30	0.30	ug/L	5.00	ND	102	70-130		
cis-1,2-Dichloroethene	4.22	0.10	0.50	ug/L	5.00	ND	84.4	70-130		
trans-1,2-Dichloroethene	4.08	0.10	0.50	ug/L	5.00	ND	81.6	70-130		
1,2-Dichloropropane	4.87	0.20	0.50	ug/L	5.00	ND	97.4	70-130		
1,3-Dichloropropane	5.10	0.10	0.50	ug/L	5.00	ND	102	70-130		
2,2-Dichloropropane	4.21	0.30	0.50	ug/L	5.00	ND	84.2	70-130		
1,1-Dichloropropene	5.41	0.20	0.50	ug/L	5.00	ND	108	70-130		
cis-1,3-Dichloropropene	3.79	0.30	0.50	ug/L	5.00	ND	75.8	70-130		
trans-1,3-Dichloropropene	4.05	0.30	0.50	ug/L	5.00	ND	81.0	70-130		
2-Hexanone	5.00	0.50	5.0	ug/L	5.00	ND	100	70-130		
Ethylbenzene	5.43	0.20	0.50	ug/L	5.00	ND	109	70-130		
Hexachlorobutadiene	5.47	0.40	0.50	ug/L	5.00	ND	109	70-130		
Isopropylbenzene	5.76	0.20	0.50	ug/L	5.00	ND	115	70-130		
p-Isopropyltoluene	5.63	0.50	0.50	ug/L	5.00	ND	113	70-130		
Methyl ethyl ketone	7.42	0.20	1.0	ug/L	10.0	ND	74.2	70-130		
Methyl iodide	5.42	0.40	2.0	ug/L	5.00	ND	108	70-130		
Methyl isobutyl ketone	9.49	0.30	1.0	ug/L	10.0	ND	94.9	70-130		
Methylene chloride	4.45	0.40	0.50	ug/L	5.00	ND	89.0	70-130		
Naphthalene	4.87	0.50	0.50	ug/L	5.00	ND	97.4	70-130		
n-Propylbenzene	5.72	0.50	0.50	ug/L	5.00	ND	114	70-130		
Styrene	5.44	0.20	0.50	ug/L	5.00	ND	109	70-130		
1,1,1,2-Tetrachloroethane	4.57	0.40	0.50	ug/L	5.00	ND	91.4	70-130		
1,1,2,2-Tetrachloroethane	5.00	0.20	0.50	ug/L	5.00	ND	100	70-130		
Tetrachloroethene	5.56	0.20	0.50	ug/L	5.00	ND	111	70-130		
Toluene	5.68	0.30	0.50	ug/L	5.00	ND	114	70-130		
1,2,3-Trichlorobenzene	5.07	0.40	0.50	ug/L	5.00	ND	101	70-130		
1,2,4-Trichlorobenzene	4.93	0.40	0.50	ug/L	5.00	ND	98.6	70-130		
1,1,1-Trichloroethane	4.94	0.40	0.50	ug/L	5.00	ND	98.8	70-130		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

Matrix Spike (AH03438-MS1)	Source: 20G3508-01			Prepared: 08/06/20 Analyzed: 08/07/20							
1,1,2-Trichloroethane	5.53	0.20	0.50	ug/L	5.00	ND	111	70-130			
Trichloroethene	5.35	0.10	0.50	ug/L	5.00	ND	107	70-130			
Trichlorofluoromethane	5.92	0.50	0.50	ug/L	5.00	ND	118	70-130			
Trichlorotrifluoroethane	8.70	0.40	0.50	ug/L	5.00	2.17	131	70-130			QM-05
1,2,3-Trichloropropane	5.04	0.10	0.50	ug/L	5.00	ND	101	70-130			
1,2,4-Trimethylbenzene	5.55	0.50	0.50	ug/L	5.00	ND	111	70-130			
1,3,5-Trimethylbenzene	5.59	0.50	0.50	ug/L	5.00	ND	112	70-130			
Vinyl chloride	6.31	0.50	0.50	ug/L	5.00	ND	126	70-130			
m,p-Xylene	11.1	0.20	0.50	ug/L	10.0	ND	111	70-130			
o-Xylene	5.46	0.20	0.50	ug/L	5.00	ND	109	70-130			
Xylenes (total)	16.5	0.20	0.50	ug/L	15.0	ND	110	70-130			
Methyl tert-butyl ether	3.71	0.50	3.0	ug/L	5.00	ND	74.2	70-130			
Ethyl tert-butyl ether	4.64	0.40	0.50	ug/L	5.00	ND	92.8	70-130			
Tert-amyl methyl ether	4.89	0.30	0.50	ug/L	5.00	ND	97.8	70-130			
Surrogate: Bromofluorobenzene	26.3			ug/L	25.0		105	70-130			
Surrogate: Dibromofluoromethane	20.4			ug/L	25.0		81.5	70-130			
Surrogate: Toluene-d8	25.5			ug/L	25.0		102	70-130			

Matrix Spike (AH03438-MS2)	Source: 20G3508-06			Prepared: 08/06/20 Analyzed: 08/07/20							
Acetone	16.3	2.0	5.0	ug/L	20.0	ND	81.7	70-130			
Acrylonitrile	4.53	0.40	5.0	ug/L	5.00	ND	90.6	70-130			J
Benzene	5.36	0.10	0.30	ug/L	5.00	ND	107	70-130			
Bromobenzene	5.49	0.20	0.50	ug/L	5.00	ND	110	70-130			
Bromochloromethane	5.17	0.40	0.50	ug/L	5.00	ND	103	70-130			
Bromodichloromethane	5.20	0.20	0.50	ug/L	5.00	ND	104	70-130			
Bromoform	4.45	0.30	0.50	ug/L	5.00	ND	89.0	70-130			
Bromomethane	5.78	0.40	0.50	ug/L	5.00	ND	116	70-130			
n-Butylbenzene	5.89	0.50	0.50	ug/L	5.00	ND	118	70-130			
sec-Butylbenzene	5.81	0.20	0.50	ug/L	5.00	ND	116	70-130			
tert-Butylbenzene	5.74	0.50	0.50	ug/L	5.00	ND	115	70-130			
Carbon disulfide	4.89	0.40	0.50	ug/L	5.00	ND	97.8	70-130			
Carbon tetrachloride	5.32	0.30	0.50	ug/L	5.00	ND	106	70-130			
Chlorobenzene	5.39	0.20	0.50	ug/L	5.00	ND	108	70-130			
Chloroethane	5.65	0.30	0.50	ug/L	5.00	ND	113	70-130			
Chloroform	5.26	0.30	0.50	ug/L	5.00	ND	105	70-130			
Chloromethane	6.72	0.40	0.50	ug/L	5.00	ND	134	70-130			QM-05
2-Chlorotoluene	5.75	0.20	0.50	ug/L	5.00	ND	115	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

Matrix Spike (AH03438-MS2)	Source: 20G3508-06			Prepared: 08/06/20		Analyzed: 08/07/20				
4-Chlorotoluene	5.58	0.20	0.50	ug/L	5.00	ND	112	70-130		
Dibromochloromethane	4.91	0.30	0.50	ug/L	5.00	ND	98.2	70-130		
1,2-Dibromo-3-chloropropane	4.00	0.50	0.50	ug/L	5.00	ND	80.0	70-130		
1,2-Dibromoethane (EDB)	4.94	0.20	0.50	ug/L	5.00	ND	98.8	70-130		
Dibromomethane	4.95	0.20	0.50	ug/L	5.00	ND	99.0	70-130		
1,2-Dichlorobenzene	5.00	0.20	0.50	ug/L	5.00	ND	100	70-130		
1,3-Dichlorobenzene	5.32	0.20	0.50	ug/L	5.00	ND	106	70-130		
1,4-Dichlorobenzene	5.13	0.20	0.50	ug/L	5.00	ND	103	70-130		
trans-1,4-Dichloro-2-butene	3.23	0.90	5.0	ug/L	5.00	ND	64.6	70-130		QM-05, J
Dichlorodifluoromethane	6.47	0.50	0.50	ug/L	5.00	ND	129	70-130		
1,1-Dichloroethane	4.38	0.20	0.50	ug/L	5.00	ND	87.6	70-130		
1,2-Dichloroethane	4.24	0.10	0.50	ug/L	5.00	ND	84.8	70-130		
1,1-Dichloroethene	5.30	0.30	0.30	ug/L	5.00	ND	106	70-130		
cis-1,2-Dichloroethene	4.51	0.10	0.50	ug/L	5.00	ND	90.2	70-130		
trans-1,2-Dichloroethene	4.42	0.10	0.50	ug/L	5.00	ND	88.4	70-130		
1,2-Dichloropropane	5.07	0.20	0.50	ug/L	5.00	ND	101	70-130		
1,3-Dichloropropane	5.10	0.10	0.50	ug/L	5.00	ND	102	70-130		
2,2-Dichloropropane	4.67	0.30	0.50	ug/L	5.00	ND	93.4	70-130		
1,1-Dichloropropene	5.61	0.20	0.50	ug/L	5.00	ND	112	70-130		
cis-1,3-Dichloropropene	3.76	0.30	0.50	ug/L	5.00	ND	75.2	70-130		
trans-1,3-Dichloropropene	4.13	0.30	0.50	ug/L	5.00	ND	82.6	70-130		
2-Hexanone	5.34	0.50	5.0	ug/L	5.00	ND	107	70-130		
Ethylbenzene	5.57	0.20	0.50	ug/L	5.00	ND	111	70-130		
Hexachlorobutadiene	5.54	0.40	0.50	ug/L	5.00	ND	111	70-130		
Isopropylbenzene	5.92	0.20	0.50	ug/L	5.00	ND	118	70-130		
p-Isopropyltoluene	5.76	0.50	0.50	ug/L	5.00	ND	115	70-130		
Methyl ethyl ketone	7.11	0.20	1.0	ug/L	10.0	ND	71.1	70-130		
Methyl iodide	5.33	0.40	2.0	ug/L	5.00	ND	107	70-130		
Methyl isobutyl ketone	9.10	0.30	1.0	ug/L	10.0	ND	91.0	70-130		
Methylene chloride	4.37	0.40	0.50	ug/L	5.00	ND	87.4	70-130		
Naphthalene	5.07	0.50	0.50	ug/L	5.00	ND	101	70-130		
n-Propylbenzene	5.84	0.50	0.50	ug/L	5.00	ND	117	70-130		
Styrene	5.43	0.20	0.50	ug/L	5.00	ND	109	70-130		
1,1,1,2-Tetrachloroethane	4.87	0.40	0.50	ug/L	5.00	ND	97.4	70-130		
1,1,2,2-Tetrachloroethane	5.24	0.20	0.50	ug/L	5.00	ND	105	70-130		
Tetrachloroethene	5.69	0.20	0.50	ug/L	5.00	ND	114	70-130		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03438 - VOAs in Water GCMS**

Matrix Spike (AH03438-MS2)	Source: 20G3508-06			Prepared: 08/06/20		Analyzed: 08/07/20					
Toluene	5.80	0.30	0.50	ug/L	5.00	ND	116	70-130			
1,2,3-Trichlorobenzene	5.27	0.40	0.50	ug/L	5.00	ND	105	70-130			
1,2,4-Trichlorobenzene	5.04	0.40	0.50	ug/L	5.00	ND	101	70-130			
1,1,1-Trichloroethane	5.36	0.40	0.50	ug/L	5.00	ND	107	70-130			
1,1,2-Trichloroethane	5.92	0.20	0.50	ug/L	5.00	ND	118	70-130			
Trichloroethene	5.31	0.10	0.50	ug/L	5.00	ND	106	70-130			
Trichlorofluoromethane	6.37	0.50	0.50	ug/L	5.00	ND	127	70-130			
Trichlorotrifluoroethane	8.45	0.40	0.50	ug/L	5.00	1.70	135	70-130			QM-05
1,2,3-Trichloropropane	5.28	0.10	0.50	ug/L	5.00	ND	106	70-130			
1,2,4-Trimethylbenzene	5.79	0.50	0.50	ug/L	5.00	ND	116	70-130			
1,3,5-Trimethylbenzene	5.76	0.50	0.50	ug/L	5.00	ND	115	70-130			
Vinyl chloride	6.29	0.50	0.50	ug/L	5.00	ND	126	70-130			
m,p-Xylene	11.4	0.20	0.50	ug/L	10.0	ND	114	70-130			
o-Xylene	5.65	0.20	0.50	ug/L	5.00	ND	113	70-130			
Xylenes (total)	17.1	0.20	0.50	ug/L	15.0	ND	114	70-130			
Methyl tert-butyl ether	3.91	0.50	3.0	ug/L	5.00	ND	78.2	70-130			
Ethyl tert-butyl ether	4.45	0.40	0.50	ug/L	5.00	ND	89.0	70-130			
Tert-amyl methyl ether	5.25	0.30	0.50	ug/L	5.00	ND	105	70-130			
Surrogate: Bromofluorobenzene	25.9			ug/L	25.0		103	70-130			
Surrogate: Dibromofluoromethane	21.0			ug/L	25.0		84.1	70-130			
Surrogate: Toluene-d8	25.6			ug/L	25.0		102	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**Blank (AH03259-BLK1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Acetone	ND	3.0	5.0	ug/L							U
Acetonitrile	ND	50	100	ug/L							U
Allyl chloride	ND	0.40	10	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.30	0.30	ug/L							U
Bromobenzene	ND	0.40	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.40	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.40	0.50	ug/L							U
sec-Butylbenzene	ND	0.40	0.50	ug/L							U
tert-Butylbenzene	ND	0.30	0.50	ug/L							U
Carbon disulfide	ND	0.40	5.0	ug/L							U
Carbon tetrachloride	ND	0.40	0.50	ug/L							U
Chlorobenzene	ND	0.30	0.50	ug/L							U
Chloroethane	ND	0.40	0.50	ug/L							U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L							U
Chloroform	ND	0.40	0.50	ug/L							U
Chloroprene	ND	0.40	1.0	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.40	0.50	ug/L							U
4-Chlorotoluene	ND	0.30	0.50	ug/L							U
Dibromochloromethane	ND	0.40	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L							U
Dibromomethane	ND	0.40	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethane	ND	0.30	0.50	ug/L							U
1,2-Dichloroethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.50	ug/L							U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**Blank (AH03259-BLK1)**

Prepared: 08/04/20 Analyzed: 08/05/20

trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
1,2-Dichloropropane	ND	0.40	0.50	ug/L							U
1,3-Dichloropropane	ND	0.40	0.50	ug/L							U
2,2-Dichloropropane	ND	0.50	0.50	ug/L							U
1,1-Dichloropropene	ND	0.40	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
Diethyl ether	ND	0.20	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Ethyl methacrylate	ND	0.70	10	ug/L							U
Ethanol	ND	20	50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
2-Hexanone	ND	0.50	5.0	ug/L							U
Isobutanol	ND	40	100	ug/L							U
Isopropylbenzene	ND	0.40	0.50	ug/L							U
p-Isopropyltoluene	ND	0.40	0.50	ug/L							U
Methylene chloride	ND	0.50	0.50	ug/L							U
Methacrylonitrile	ND	0.40	1.0	ug/L							U
Methyl ethyl ketone	ND	0.70	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl methacrylate	ND	0.40	1.0	ug/L							U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L							U
Propionitrile	ND	20	50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.40	0.50	ug/L							U
Styrene	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L							U
Tert-butyl alcohol	ND	6.0	10	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L							U
Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	0.40	5.0	ug/L							U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**Blank (AH03259-BLK1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Toluene	ND	0.30	0.30	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L							U
Trichloroethene	ND	0.40	0.50	ug/L							U
Trichlorofluoromethane	ND	0.20	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L							U
Vinyl acetate	ND	0.80	1.0	ug/L							U
Vinyl chloride	ND	0.40	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.40	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Surrogate: Bromofluorobenzene	26.9			ug/L	25.0		108	70-130			
Surrogate: Dibromofluoromethane	28.8			ug/L	25.0		115	70-130			
Surrogate: Toluene-d8	25.2			ug/L	25.0		101	70-130			

**LCS (AH03259-BS1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Acetone	95.6	3.0	5.0	ug/L	80.0		119	48-124			
Acetonitrile	2340	50	100	ug/L	2000		117	70-130			
Allyl chloride	24.0	0.40	10	ug/L	20.0		120	70-130			
Acrylonitrile	20.8	0.40	5.0	ug/L	20.0		104	70-130			
Benzene	20.8	0.30	0.30	ug/L	20.0		104	82-122			
Bromobenzene	19.4	0.40	0.50	ug/L	20.0		96.8	83-122			
Bromochloromethane	21.9	0.40	0.50	ug/L	20.0		109	83-124			
Bromodichloromethane	20.2	0.40	0.50	ug/L	20.0		101	86-135			
Bromoform	19.0	0.30	0.50	ug/L	20.0		94.8	76-144			
Bromomethane	25.7	0.40	0.50	ug/L	20.0		128	69-145			
n-Butylbenzene	21.4	0.40	0.50	ug/L	20.0		107	79-132			
sec-Butylbenzene	21.9	0.40	0.50	ug/L	20.0		109	86-132			
tert-Butylbenzene	21.3	0.30	0.50	ug/L	20.0		106	82-126			
Carbon disulfide	24.6	0.40	5.0	ug/L	20.0		123	70-130			
Carbon tetrachloride	22.1	0.40	0.50	ug/L	20.0		110	77-134			
Chlorobenzene	19.4	0.30	0.50	ug/L	20.0		97.0	84-119			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**LCS (AH03259-BS1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Chloroethane	24.9	0.40	0.50	ug/L	20.0		125	68-133			
2-Chloroethylvinyl ether	38.4	0.70	1.0	ug/L	40.0		96.0	75-130			
Chloroform	22.4	0.40	0.50	ug/L	20.0		112	81-122			
Chloroprene	21.7	0.40	1.0	ug/L	20.0		109	70-130			
Chloromethane	24.8	0.40	0.50	ug/L	20.0		124	63-129			
2-Chlorotoluene	20.6	0.40	0.50	ug/L	20.0		103	79-132			
4-Chlorotoluene	20.4	0.30	0.50	ug/L	20.0		102	80-122			
Dibromochloromethane	19.6	0.40	0.50	ug/L	20.0		98.1	83-135			
1,2-Dibromo-3-chloropropane	23.2	0.60	2.0	ug/L	20.0		116	73-128			
1,2-Dibromoethane (EDB)	19.3	0.40	0.50	ug/L	20.0		96.4	80-120			
Dibromomethane	21.2	0.40	0.50	ug/L	20.0		106	82-124			
1,2-Dichlorobenzene	19.7	0.40	0.50	ug/L	20.0		98.6	84-121			
1,3-Dichlorobenzene	20.1	0.40	0.50	ug/L	20.0		100	80-120			
1,4-Dichlorobenzene	18.9	0.10	0.50	ug/L	20.0		94.4	84-120			
trans-1,4-Dichloro-2-butene	22.0	0.50	5.0	ug/L	20.0		110	70-130			
Dichlorodifluoromethane	22.9	0.40	0.50	ug/L	20.0		114	52-142			
1,1-Dichloroethane	22.0	0.30	0.50	ug/L	20.0		110	81-126			
1,2-Dichloroethane	19.5	0.40	0.50	ug/L	20.0		97.6	77-117			
1,1-Dichloroethene	18.1	0.30	0.50	ug/L	20.0		90.3	71-151			
cis-1,2-Dichloroethene	21.8	0.40	0.50	ug/L	20.0		109	84-131			
trans-1,2-Dichloroethene	22.3	0.40	0.50	ug/L	20.0		111	79-128			
1,2-Dichloropropane	19.7	0.40	0.50	ug/L	20.0		98.4	82-125			
1,3-Dichloropropane	20.4	0.40	0.50	ug/L	20.0		102	83-120			
2,2-Dichloropropane	18.1	0.50	0.50	ug/L	20.0		90.6	80-125			
1,1-Dichloropropene	22.2	0.40	0.50	ug/L	20.0		111	85-130			
cis-1,3-Dichloropropene	18.2	0.40	0.50	ug/L	20.0		91.0	83-128			
trans-1,3-Dichloropropene	17.8	0.40	0.50	ug/L	20.0		89.2	67-129			
Diethyl ether	25.6	0.20	1.0	ug/L	20.0		128	70-130			
Di-isopropyl ether	23.8	0.40	0.50	ug/L	20.0		119	83-132			
Ethylbenzene	20.4	0.40	0.50	ug/L	20.0		102	84-124			
Ethanol	809	20	50	ug/L	980		82.5	50-150			
Ethyl methacrylate	20.5	0.70	10	ug/L	20.0		103	70-130			
Hexachlorobutadiene	15.9	0.50	0.50	ug/L	20.0		79.5	75-135			
Ethyl tert-butyl ether	24.5	0.40	0.50	ug/L	20.0		123	74-127			
Hexachloroethane	19.4	0.40	1.0	ug/L	20.0		97.1	70-130			
2-Hexanone	18.7	0.50	5.0	ug/L	20.0		93.6	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**LCS (AH03259-BS1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Isobutanol	2120	40	100	ug/L	2000	106	70-130			
Isopropylbenzene	21.4	0.40	0.50	ug/L	20.0	107	75-116			
p-Isopropyltoluene	21.0	0.40	0.50	ug/L	20.0	105	78-124			
Methylene chloride	23.4	0.50	0.50	ug/L	20.0	117	72-132			
Methacrylonitrile	22.1	0.40	1.0	ug/L	20.0	110	70-130			
Methyl ethyl ketone	37.6	0.70	1.0	ug/L	40.0	94.1	58-157			
Methyl iodide	21.5	0.40	2.0	ug/L	20.0	107	56-167			
Methyl methacrylate	22.8	0.40	1.0	ug/L	20.0	114	70-130			
Methyl isobutyl ketone	41.2	0.60	1.0	ug/L	40.0	103	70-130			
Propionitrile	1130	20	50	ug/L	1000	113	70-130			
Methyl tert-butyl ether	23.4	0.50	0.50	ug/L	20.0	117	84-119			
Naphthalene	19.4	0.50	0.50	ug/L	20.0	97.0	84-134			
n-Propylbenzene	20.7	0.40	0.50	ug/L	20.0	104	75-127			
Styrene	20.2	0.40	0.50	ug/L	20.0	101	80-125			
Tert-amyl methyl ether	22.2	0.40	0.50	ug/L	20.0	111	74-120			
Tert-butyl alcohol	390	6.0	10	ug/L	400	97.5	66-147			
1,1,1,2-Tetrachloroethane	19.7	0.40	0.50	ug/L	20.0	98.6	80-132			
1,1,2,2-Tetrachloroethane	23.1	0.30	0.50	ug/L	20.0	115	84-115			
Tetrachloroethene	18.2	0.40	0.50	ug/L	20.0	90.8	56-156			
Tetrahydrofuran	24.3	0.40	5.0	ug/L	20.0	121	70-130			
Toluene	20.5	0.30	0.30	ug/L	20.0	103	76-137			
1,2,4-Trichlorobenzene	17.5	0.50	0.50	ug/L	20.0	87.4	84-126			
1,2,3-Trichlorobenzene	17.6	0.50	0.50	ug/L	20.0	88.0	85-133			
1,1,1-Trichloroethane	21.8	0.40	0.50	ug/L	20.0	109	70-130			
1,1,2-Trichloroethane	19.4	0.40	0.50	ug/L	20.0	97.0	83-122			
Trichloroethene	19.5	0.40	0.50	ug/L	20.0	97.4	84-123			
Trichlorofluoromethane	25.1	0.20	0.50	ug/L	20.0	126	74-130			
1,2,3-Trichloropropane	23.0	0.40	0.50	ug/L	20.0	115	78-122			
Trichlorotrifluoroethane	25.5	0.20	0.50	ug/L	20.0	128	82-125			QL-03
1,2,4-Trimethylbenzene	21.7	0.40	0.50	ug/L	20.0	108	85-127			
1,3,5-Trimethylbenzene	20.7	0.30	0.50	ug/L	20.0	104	80-125			
Vinyl acetate	39.3	0.80	1.0	ug/L	40.0	98.2	60-140			
Vinyl chloride	24.8	0.40	0.50	ug/L	20.0	124	70-130			
m,p-Xylene	41.1	0.50	0.50	ug/L	40.0	103	81-124			
o-Xylene	21.3	0.40	0.50	ug/L	20.0	106	80-126			
Xylenes (total)	62.4	0.50	0.50	ug/L	60.0	104	81-126			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**LCS (AH03259-BS1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Surrogate: Bromofluorobenzene	27.6			ug/L	25.0		110	70-130			
Surrogate: Dibromofluoromethane	28.4			ug/L	25.0		114	70-130			
Surrogate: Toluene-d8	26.0			ug/L	25.0		104	70-130			

**LCS Dup (AH03259-BSD1)**

Prepared: 08/04/20 Analyzed: 08/05/20

Acetone	97.3	3.0	5.0	ug/L	80.0		122	48-124	1.78	25	
Acetonitrile	2220	50	100	ug/L	2000		111	70-130	5.33	25	
Allyl chloride	22.6	0.40	10	ug/L	20.0		113	70-130	5.70	25	
Acrylonitrile	20.2	0.40	5.0	ug/L	20.0		101	70-130	3.12	25	
Benzene	20.1	0.30	0.30	ug/L	20.0		100	82-122	3.52	25	
Bromobenzene	18.5	0.40	0.50	ug/L	20.0		92.6	83-122	4.38	25	
Bromochloromethane	22.2	0.40	0.50	ug/L	20.0		111	83-124	1.50	25	
Bromodichloromethane	19.9	0.40	0.50	ug/L	20.0		99.6	86-135	1.40	25	
Bromoform	18.7	0.30	0.50	ug/L	20.0		93.6	76-144	1.38	25	
Bromomethane	24.3	0.40	0.50	ug/L	20.0		121	69-145	5.65	25	
n-Butylbenzene	20.6	0.40	0.50	ug/L	20.0		103	79-132	3.77	25	
sec-Butylbenzene	20.8	0.40	0.50	ug/L	20.0		104	86-132	4.73	25	
tert-Butylbenzene	20.0	0.30	0.50	ug/L	20.0		100	82-126	5.91	25	
Carbon disulfide	22.8	0.40	5.0	ug/L	20.0		114	70-130	7.52	30	
Carbon tetrachloride	21.6	0.40	0.50	ug/L	20.0		108	77-134	2.43	25	
Chlorobenzene	18.7	0.30	0.50	ug/L	20.0		93.5	84-119	3.73	25	
Chloroethane	24.2	0.40	0.50	ug/L	20.0		121	68-133	2.81	25	
2-Chloroethylvinyl ether	37.8	0.70	1.0	ug/L	40.0		94.5	75-130	1.60	30	
Chloroform	21.9	0.40	0.50	ug/L	20.0		110	81-122	2.03	25	
Chloromethane	24.0	0.40	0.50	ug/L	20.0		120	63-129	3.29	25	
Chloroprene	21.1	0.40	1.0	ug/L	20.0		106	70-130	2.75	25	
2-Chlorotoluene	20.0	0.40	0.50	ug/L	20.0		100	79-132	3.15	25	
4-Chlorotoluene	19.9	0.30	0.50	ug/L	20.0		99.3	80-122	2.68	25	
Dibromochloromethane	18.9	0.40	0.50	ug/L	20.0		94.3	83-135	3.95	25	
1,2-Dibromo-3-chloropropane	22.2	0.60	2.0	ug/L	20.0		111	73-128	4.59	25	
1,2-Dibromoethane (EDB)	18.5	0.40	0.50	ug/L	20.0		92.6	80-120	3.97	25	
Dibromomethane	21.1	0.40	0.50	ug/L	20.0		105	82-124	0.662	25	
1,2-Dichlorobenzene	19.2	0.40	0.50	ug/L	20.0		96.2	84-121	2.41	25	
1,3-Dichlorobenzene	19.2	0.40	0.50	ug/L	20.0		96.0	80-120	4.33	25	
1,4-Dichlorobenzene	18.4	0.10	0.50	ug/L	20.0		91.8	84-120	2.90	25	
trans-1,4-Dichloro-2-butene	21.0	0.50	5.0	ug/L	20.0		105	70-130	4.69	25	
Dichlorodifluoromethane	22.8	0.40	0.50	ug/L	20.0		114	52-142	0.263	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**LCS Dup (AH03259-BSD1)**

Prepared: 08/04/20 Analyzed: 08/05/20

1,1-Dichloroethane	21.4	0.30	0.50	ug/L	20.0	107	81-126	2.90	25	
1,2-Dichloroethane	19.1	0.40	0.50	ug/L	20.0	95.7	77-117	1.97	25	
1,1-Dichloroethene	17.2	0.30	0.50	ug/L	20.0	85.8	71-151	5.05	25	
cis-1,2-Dichloroethene	21.1	0.40	0.50	ug/L	20.0	106	84-131	3.26	25	
trans-1,2-Dichloroethene	21.6	0.40	0.50	ug/L	20.0	108	79-128	3.01	25	
1,2-Dichloropropane	19.2	0.40	0.50	ug/L	20.0	95.8	82-125	2.68	25	
1,3-Dichloropropane	19.5	0.40	0.50	ug/L	20.0	97.4	83-120	4.66	25	
2,2-Dichloropropane	17.6	0.50	0.50	ug/L	20.0	87.8	80-125	3.19	25	
1,1-Dichloropropene	21.7	0.40	0.50	ug/L	20.0	108	85-130	2.46	25	
cis-1,3-Dichloropropene	18.3	0.40	0.50	ug/L	20.0	91.6	83-128	0.657	25	
trans-1,3-Dichloropropene	17.2	0.40	0.50	ug/L	20.0	86.0	67-129	3.77	25	
Diethyl ether	25.8	0.20	1.0	ug/L	20.0	129	70-130	1.01	25	
Di-isopropyl ether	23.4	0.40	0.50	ug/L	20.0	117	83-132	1.65	25	
Ethanol	856	20	50	ug/L	980	87.4	50-150	5.73	25	
Ethyl methacrylate	20.0	0.70	10	ug/L	20.0	99.8	70-130	2.82	25	
Ethylbenzene	19.2	0.40	0.50	ug/L	20.0	96.0	84-124	6.31	25	
Hexachlorobutadiene	15.3	0.50	0.50	ug/L	20.0	76.6	75-135	3.72	25	
Ethyl tert-butyl ether	24.5	0.40	0.50	ug/L	20.0	122	74-127	0.245	25	
Hexachloroethane	18.9	0.40	1.0	ug/L	20.0	94.6	70-130	2.56	25	
2-Hexanone	18.8	0.50	5.0	ug/L	20.0	94.0	70-130	0.373	30	
Isopropylbenzene	20.4	0.40	0.50	ug/L	20.0	102	75-116	4.65	25	
Isobutanol	2130	40	100	ug/L	2000	107	70-130	0.475	25	
p-Isopropyltoluene	19.9	0.40	0.50	ug/L	20.0	99.6	78-124	5.28	25	
Methylene chloride	20.8	0.50	0.50	ug/L	20.0	104	72-132	12.0	25	
Methacrylonitrile	22.3	0.40	1.0	ug/L	20.0	112	70-130	1.17	25	
Methyl ethyl ketone	39.2	0.70	1.0	ug/L	40.0	98.0	58-157	4.09	25	
Methyl iodide	20.3	0.40	2.0	ug/L	20.0	101	56-167	5.65	30	
Methyl methacrylate	22.1	0.40	1.0	ug/L	20.0	111	70-130	2.89	25	
Methyl isobutyl ketone	41.2	0.60	1.0	ug/L	40.0	103	70-130	0.0970	25	
Methyl tert-butyl ether	23.2	0.50	0.50	ug/L	20.0	116	84-119	1.12	25	
Naphthalene	19.4	0.50	0.50	ug/L	20.0	97.2	84-134	0.155	25	
Propionitrile	1110	20	50	ug/L	1000	111	70-130	1.54	25	
n-Propylbenzene	20.0	0.40	0.50	ug/L	20.0	99.8	75-127	3.59	25	
Styrene	19.6	0.40	0.50	ug/L	20.0	97.8	80-125	3.17	25	
Tert-amyl methyl ether	21.9	0.40	0.50	ug/L	20.0	109	74-120	1.68	25	
Tert-butyl alcohol	357	6.0	10	ug/L	400	89.2	66-147	8.91	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**LCS Dup (AH03259-BSD1)**

Prepared: 08/04/20 Analyzed: 08/05/20

1,1,1,2-Tetrachloroethane	18.7	0.40	0.50	ug/L	20.0		93.6	80-132	5.25	25	
1,1,2,2-Tetrachloroethane	21.8	0.30	0.50	ug/L	20.0		109	84-115	5.43	25	
Tetrachloroethene	17.4	0.40	0.50	ug/L	20.0		86.8	56-156	4.51	25	
Tetrahydrofuran	24.7	0.40	5.0	ug/L	20.0		124	70-130	1.80	25	
Toluene	19.5	0.30	0.30	ug/L	20.0		97.6	76-137	5.05	25	
1,2,3-Trichlorobenzene	17.5	0.50	0.50	ug/L	20.0		87.4	85-133	0.570	25	
1,2,4-Trichlorobenzene	17.6	0.50	0.50	ug/L	20.0		88.2	84-126	0.797	25	
1,1,1-Trichloroethane	21.0	0.40	0.50	ug/L	20.0		105	70-130	3.32	25	
1,1,2-Trichloroethane	19.2	0.40	0.50	ug/L	20.0		95.8	83-122	1.25	25	
Trichloroethene	18.8	0.40	0.50	ug/L	20.0		94.0	84-123	3.50	25	
Trichlorofluoromethane	23.8	0.20	0.50	ug/L	20.0		119	74-130	5.31	25	
1,2,3-Trichloropropane	22.2	0.40	0.50	ug/L	20.0		111	78-122	3.41	25	
Trichlorotrifluoroethane	25.5	0.20	0.50	ug/L	20.0		127	82-125	0.314	25	QL-03
1,2,4-Trimethylbenzene	20.6	0.40	0.50	ug/L	20.0		103	85-127	4.77	25	
1,3,5-Trimethylbenzene	20.0	0.30	0.50	ug/L	20.0		100	80-125	3.34	25	
Vinyl acetate	38.7	0.80	1.0	ug/L	40.0		96.7	60-140	1.56	25	
Vinyl chloride	24.2	0.40	0.50	ug/L	20.0		121	70-130	2.57	25	
m,p-Xylene	39.2	0.50	0.50	ug/L	40.0		98.0	81-124	4.78	25	
o-Xylene	20.6	0.40	0.50	ug/L	20.0		103	80-126	3.10	25	
Xylenes (total)	59.8	0.50	0.50	ug/L	60.0		99.7	81-126	4.21	25	
Surrogate: Bromofluorobenzene	26.2			ug/L	25.0		105	70-130			
Surrogate: Dibromofluoromethane	27.6			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	24.9			ug/L	25.0		99.6	70-130			

**MRL Check (AH03259-MRL1)**

Prepared & Analyzed: 08/04/20

Acetone	4.45	3.0	5.0	ug/L	4.00		111	50-150			J
Acetonitrile	98.1	50	100	ug/L	100		98.1	50-150			J
Allyl chloride	1.12	0.40	10	ug/L	1.00		112	50-150			J
Acrylonitrile	1.17	0.40	5.0	ug/L	1.00		117	50-150			J
Benzene	0.970	0.30	0.30	ug/L	1.00		97.0	50-150			
Bromobenzene	1.06	0.40	0.50	ug/L	1.00		106	50-150			
Bromochloromethane	1.10	0.40	0.50	ug/L	1.00		110	50-150			
Bromodichloromethane	1.02	0.40	0.50	ug/L	1.00		102	50-150			
Bromoform	0.990	0.30	0.50	ug/L	1.00		99.0	50-150			
Bromomethane	0.910	0.40	0.50	ug/L	1.00		91.0	50-150			
n-Butylbenzene	0.980	0.40	0.50	ug/L	1.00		98.0	50-150			
sec-Butylbenzene	1.01	0.40	0.50	ug/L	1.00		101	50-150			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**MRL Check (AH03259-MRL1)**

Prepared & Analyzed: 08/04/20

tert-Butylbenzene	1.00	0.30	0.50	ug/L	1.00	100	50-150				
Carbon disulfide	1.09	0.40	5.0	ug/L	1.00	109	50-150				J
Carbon tetrachloride	1.10	0.40	0.50	ug/L	1.00	110	50-150				
Chlorobenzene	1.01	0.30	0.50	ug/L	1.00	101	50-150				
Chloroethane	1.15	0.40	0.50	ug/L	1.00	115	50-150				
2-Chloroethylvinyl ether	1.70	0.70	1.0	ug/L	2.00	85.0	0-200				
Chloroform	1.07	0.40	0.50	ug/L	1.00	107	50-150				
Chloromethane	0.950	0.40	0.50	ug/L	1.00	95.0	50-150				
Chloroprene	1.05	0.40	1.0	ug/L	1.00	105	50-150				
2-Chlorotoluene	1.06	0.40	0.50	ug/L	1.00	106	50-150				
4-Chlorotoluene	1.04	0.30	0.50	ug/L	1.00	104	50-150				
Dibromochloromethane	0.970	0.40	0.50	ug/L	1.00	97.0	50-150				
1,2-Dibromo-3-chloropropane	1.01	0.60	2.0	ug/L	1.00	101	50-150				J
1,2-Dibromoethane (EDB)	1.02	0.40	0.50	ug/L	1.00	102	50-150				
Dibromomethane	1.02	0.40	0.50	ug/L	1.00	102	50-150				
1,2-Dichlorobenzene	1.00	0.40	0.50	ug/L	1.00	100	50-150				
1,3-Dichlorobenzene	1.10	0.40	0.50	ug/L	1.00	110	50-150				
1,4-Dichlorobenzene	0.990	0.10	0.50	ug/L	1.00	99.0	50-150				
trans-1,4-Dichloro-2-butene	1.09	0.50	5.0	ug/L	1.00	109	50-150				J
Dichlorodifluoromethane	1.09	0.40	0.50	ug/L	1.00	109	50-150				
1,1-Dichloroethane	1.04	0.30	0.50	ug/L	1.00	104	50-150				
1,2-Dichloroethane	1.15	0.40	0.50	ug/L	1.00	115	50-150				
1,1-Dichloroethene	1.11	0.30	0.50	ug/L	1.00	111	50-150				
cis-1,2-Dichloroethene	1.06	0.40	0.50	ug/L	1.00	106	50-150				
trans-1,2-Dichloroethene	1.07	0.40	0.50	ug/L	1.00	107	50-150				
1,2-Dichloropropane	0.990	0.40	0.50	ug/L	1.00	99.0	50-150				
1,3-Dichloropropane	0.910	0.40	0.50	ug/L	1.00	91.0	50-150				
2,2-Dichloropropane	1.11	0.50	0.50	ug/L	1.00	111	50-150				
1,1-Dichloropropene	1.00	0.40	0.50	ug/L	1.00	100	50-150				
cis-1,3-Dichloropropene	0.930	0.40	0.50	ug/L	1.00	93.0	50-150				
trans-1,3-Dichloropropene	0.960	0.40	0.50	ug/L	1.00	96.0	50-150				
Diethyl ether	0.730	0.20	1.0	ug/L	1.00	73.0	50-150				J
Di-isopropyl ether	1.00	0.40	0.50	ug/L	1.00	100	50-150				
Ethanol	63.2	20	50	ug/L	50.0	126	50-150				
Ethylbenzene	1.01	0.40	0.50	ug/L	1.00	101	50-150				
Ethyl methacrylate	1.06	0.70	10	ug/L	1.00	106	50-150				J

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020031003 / 2020040703	Reported: 08/18/20 08:26
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**MRL Check (AH03259-MRL1)**

Prepared & Analyzed: 08/04/20

Hexachlorobutadiene	0.960	0.50	0.50	ug/L	1.00		96.0	50-150			
Hexachloroethane	0.910	0.40	1.0	ug/L	1.00		91.0	50-150			J
Ethyl tert-butyl ether	1.02	0.40	0.50	ug/L	1.00		102	50-150			
2-Hexanone	1.25	0.50	5.0	ug/L	1.00		125	50-150			J
Isobutanol	102	40	100	ug/L	100		102	50-150			
Isopropylbenzene	1.02	0.40	0.50	ug/L	1.00		102	50-150			
p-Isopropyltoluene	1.02	0.40	0.50	ug/L	1.00		102	50-150			
Methylene chloride	1.14	0.50	0.50	ug/L	1.00		114	50-150			
Methacrylonitrile	1.05	0.40	1.0	ug/L	1.00		105	50-150			
Methyl ethyl ketone	2.03	0.70	1.0	ug/L	2.00		102	50-150			
Methyl iodide	1.15	0.40	2.0	ug/L	1.00		115	50-150			J
Methyl methacrylate	0.990	0.40	1.0	ug/L	1.00		99.0	50-150			J
Methyl isobutyl ketone	2.16	0.60	1.0	ug/L	2.00		108	50-150			
Methyl tert-butyl ether	1.15	0.50	0.50	ug/L	1.00		115	50-150			
Propionitrile	52.6	20	50	ug/L	50.0		105	50-150			
Naphthalene	1.00	0.50	0.50	ug/L	1.00		100	50-150			
n-Propylbenzene	1.00	0.40	0.50	ug/L	1.00		100	50-150			
Styrene	1.02	0.40	0.50	ug/L	1.00		102	50-150			
Tert-amyl methyl ether	1.13	0.40	0.50	ug/L	1.00		113	50-150			
Tert-butyl alcohol	23.2	6.0	10	ug/L	20.0		116	50-150			
1,1,1,2-Tetrachloroethane	1.08	0.40	0.50	ug/L	1.00		108	50-150			
1,1,2,2-Tetrachloroethane	1.08	0.30	0.50	ug/L	1.00		108	50-150			
Tetrachloroethene	1.00	0.40	0.50	ug/L	1.00		100	50-150			
Tetrahydrofuran	0.790	0.40	5.0	ug/L	1.00		79.0	50-150			J
Toluene	0.960	0.30	0.30	ug/L	1.00		96.0	50-150			
1,2,3-Trichlorobenzene	1.02	0.50	0.50	ug/L	1.00		102	50-150			
1,2,4-Trichlorobenzene	1.04	0.50	0.50	ug/L	1.00		104	50-150			
1,1,1-Trichloroethane	1.04	0.40	0.50	ug/L	1.00		104	50-150			
1,1,2-Trichloroethane	0.980	0.40	0.50	ug/L	1.00		98.0	50-150			
Trichloroethene	0.990	0.40	0.50	ug/L	1.00		99.0	50-150			
Trichlorofluoromethane	1.09	0.20	0.50	ug/L	1.00		109	50-150			
1,2,3-Trichloropropane	1.05	0.40	0.50	ug/L	1.00		105	50-150			
Trichlorotrifluoroethane	1.04	0.20	0.50	ug/L	1.00		104	50-150			
1,2,4-Trimethylbenzene	1.08	0.40	0.50	ug/L	1.00		108	50-150			
1,3,5-Trimethylbenzene	1.05	0.30	0.50	ug/L	1.00		105	50-150			
Vinyl acetate	2.12	0.80	1.0	ug/L	2.00		106	50-150			

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH03259 - VOAs in Water GCMS**

**MRL Check (AH03259-MRL1)**

Prepared & Analyzed: 08/04/20

Vinyl chloride	0.930	0.40	0.50	ug/L	1.00		93.0	50-150			
m,p-Xylene	2.00	0.50	0.50	ug/L	2.00		100	50-150			
o-Xylene	1.04	0.40	0.50	ug/L	1.00		104	50-150			
Xylenes (total)	3.04	0.50	0.50	ug/L	3.00		101	50-150			
<i>Surrogate: Bromofluorobenzene</i>	<i>1.25</i>			<i>ug/L</i>	<i>1.00</i>		<i>125</i>	<i>70-130</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>1.08</i>			<i>ug/L</i>	<i>1.00</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>1.09</i>			<i>ug/L</i>	<i>1.00</i>		<i>109</i>	<i>70-130</i>			



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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch #2020031003 / 2020040703

Reported:  
08/18/20 08:26

### Notes and Definitions

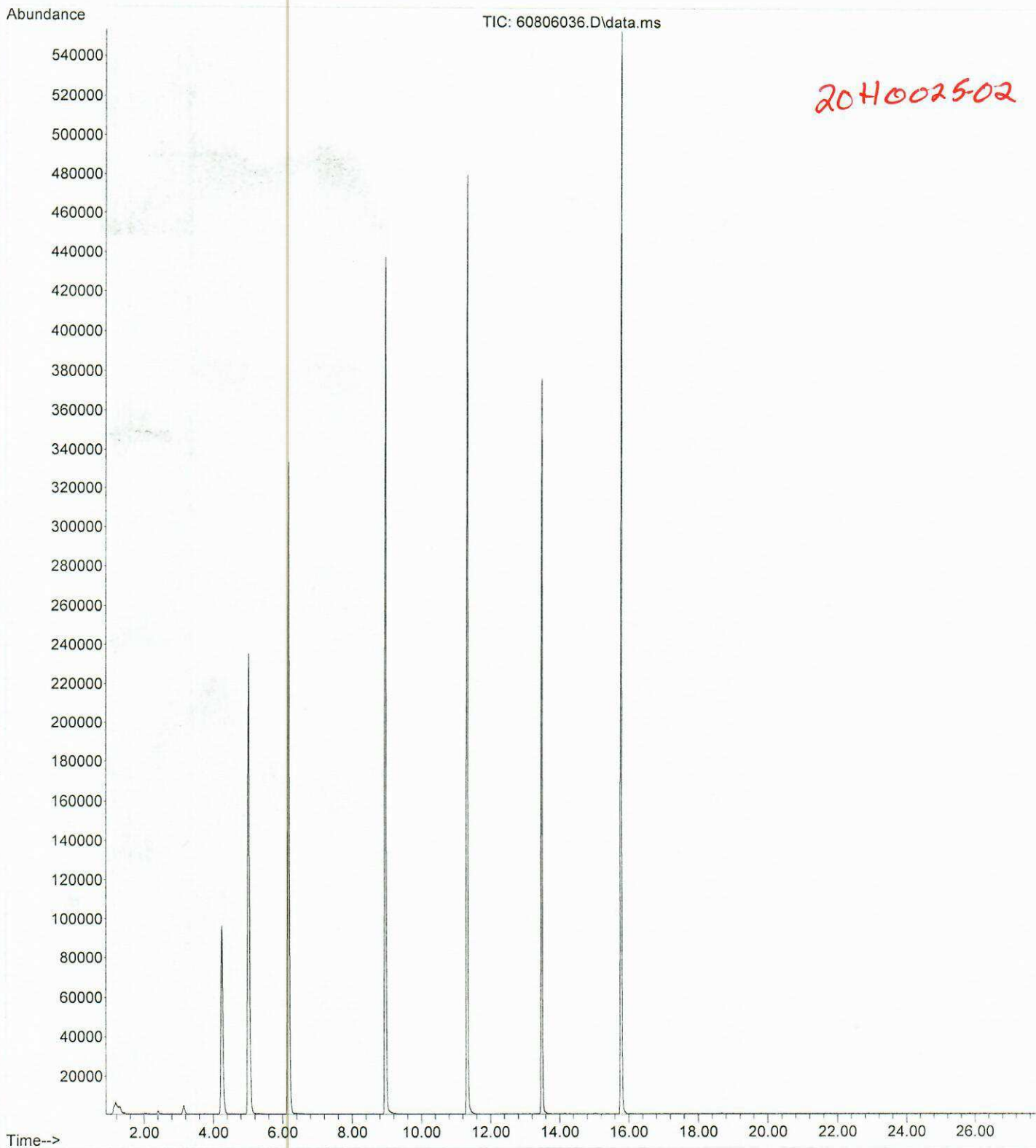
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

File :D:\Data\080420\10804041.D  
Operator : JV  
Acquired : 5 Aug 2020 10:53 am using AcqMethod MS1INS.M  
Instrument : GCMS1  
Sample Name: 20H0025-01  
Misc Info :  
Vial Number: 41





File :D:\MassHunter\GCMS\1\data\080620\60806036.D  
Operator : JV  
Acquired : 07 Aug 2020 12:47 pm using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 20H0025-02  
Misc Info :  
Vial Number: 36





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707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 262 Rickenbacker Circle, Livermore CA 94551  
925-828-6226 Fax: 925-828-6309

# Chain of Custody Record

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 20H0025 Page      of     

<b>Report to:</b> Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		<b>Invoice to (if different):</b> Company: Attn: Address: Phone/Fax: Email Address:		<b>Project Info for Report:</b> Project ID: QC- 40ml Amber VOA Vial (NP) Project No: Silicone Batch Number 2020031003 / 2020040703 PO/Reference :		Signature below authorizes work under terms stated on reverse side.																
<b>Samplers Signature:</b> Print:		<b>Container:</b> 40ml VOA Poly Glass bottle Glass Jar		<b>Preservative:</b> HCL Methanol Na Bisulfate Other None		<b>Matrix:</b> Water Container		Total Number of Containers		Analyses Requested										TAT 10 days <input type="radio"/> <u>RUSH:</u> 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> days	Lab Approval Required For Rush TATs	Sample Notes (lab use only) Temperature: _____ deg. C Shipment Method: Custody Seals: Y / N
<b>Sample Identification</b>		<b>Sampled:</b> Date Time																				
A0210CUBS - 01				x		x		2		x												
A0210CUBS - 02				x				2		x												
<del>A0210CUBS - 03</del> AS																						
please use Ukiah reagent water for the analysis																						
<b>Relinquished by:</b> per BAH		<b>Received by:</b> <i>[Signature]</i>		<b>Date:</b> 8-3-20		<b>Time:</b> 0800		<b>CDPH Write On EDT Transmission?</b> <input type="radio"/> Yes <input type="radio"/> No														
<b>State System Number:</b> _____ If "Y" please enter the Source Number(s) in the column above																						
<b>CA Geotracker EDF Report?</b> <input type="radio"/> Yes <input type="radio"/> No																						
Global ID: _____ Sampling Company Log Code: _____																						
EDF to (Email Address): _____																						
Travel and Site Time: _____ Mileage: _____ Misc. Supplies: _____																						