



*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

03 February 2021

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA (NP)

Work Order: 21A1996

Enclosed are the results of analyses for samples received by the laboratory on 01/14/21 09:00. 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)  
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch #2020093003

Reported:  
02/03/21 09:43

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
A1006CUBS - 01	21A1996-01	Water	01/14/21 00:00	01/14/21 09:00
A1006CUBS - 02	21A1996-02	Water	01/14/21 00:00	01/14/21 09:00



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020093003	Reported: 02/03/21 09:43
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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>A1006CUBS - 02 (21A1996-02) Water Sampled: 01/14/21 00:00 Received: 01/14/21 09:00</b>												
Acetone	ND	2.0	5.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Benzene	ND	0.10	0.30	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
sec-Butylbenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Chloroethane	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Chloroform	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2-Dibromoethane (EDB)	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2-Dichloroethane	ND	0.10	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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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 #2020093003	Reported: 02/03/21 09:43
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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>A1006CUBS - 02 (21A1996-02) Water    Sampled: 01/14/21 00:00    Received: 01/14/21 09:00</b>												
1,3-Dichloropropane	ND	0.10	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1-Dichloropropene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Ethylbenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Isopropylbenzene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Methyl ethyl ketone	ND	0.20	1.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Methyl isobutyl ketone	ND	0.90	1.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Styrene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Tetrachloroethene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Toluene	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Trichloroethene	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
o-Xylene	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Xylenes (total)	ND	0.20	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	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 #2020093003

Reported:  
 02/03/21 09:43

**Volatile Organic Compounds by EPA Method 524.2**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
<b>A1006CUBS - 02 (21A1996-02) Water</b> <b>Sampled: 01/14/21 00:00</b> <b>Received: 01/14/21 09:00</b>												
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AA14664	01/26/21 13:03	01/28/21 12:39	EPA 524.2	LJJ	1551	U
<i>Surrogate: Bromofluorobenzene</i>		<i>114 %</i>	<i>70-130</i>			<i>AA14664</i>	<i>01/26/21 13:03</i>	<i>01/28/21 12:39</i>	<i>EPA 524.2</i>	<i>LJJ</i>	<i>1551</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>106 %</i>	<i>70-130</i>			<i>AA14664</i>	<i>01/26/21 13:03</i>	<i>01/28/21 12:39</i>	<i>EPA 524.2</i>	<i>LJJ</i>	<i>1551</i>	
<i>Surrogate: Toluene-d8</i>		<i>116 %</i>	<i>70-130</i>			<i>AA14664</i>	<i>01/26/21 13:03</i>	<i>01/28/21 12:39</i>	<i>EPA 524.2</i>	<i>LJJ</i>	<i>1551</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 #2020093003	Reported: 02/03/21 09:43
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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>A1006CUBS - 01 (21A1996-01) Water Sampled: 01/14/21 00:00 Received: 01/14/21 09:00</b>												
Acetone	ND	3.0	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Acetonitrile	ND	50	100	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Allyl chloride	ND	0.40	10	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Benzene	ND	0.30	0.30	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Chloroethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Chloroform	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Chloroprene	ND	0.40	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1-Dichloroethane	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	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 #2020093003	Reported: 02/03/21 09:43
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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>A1006CUBS - 01 (21A1996-01) Water Sampled: 01/14/21 00:00 Received: 01/14/21 09:00</b>												
1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
2,2-Dichloropropane	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Ethanol	ND	20	50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Isobutanol	ND	40	100	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Propionitrile	ND	20	50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Styrene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Toluene	ND	0.30	0.30	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	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 #2020093003

Reported:  
 02/03/21 09:43

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
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**A1006CUBS - 01 (21A1996-01) Water**    **Sampled: 01/14/21 00:00**    **Received: 01/14/21 09:00**

1,2,4-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
o-Xylene	ND	0.40	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	U
Surrogate: Bromofluorobenzene		106 %	70-130			AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	
Surrogate: Dibromofluoromethane		101 %	70-130			AA14728	01/27/21 15:00	01/27/21 16:59	EPA 8260B	JV	1551	
Surrogate: Toluene-d8		109 %	70-130			AA14728	01/27/21 15:00	01/27/21 16:59	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**Blank (AA14664-BLK1)**

Prepared: 01/26/21 Analyzed: 01/27/21

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	0.50	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
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**Blank (AA14664-BLK1)**

Prepared: 01/26/21 Analyzed: 01/27/21

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	0.90	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	0.30	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	0.50	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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**Blank (AA14664-BLK1)**

Prepared: 01/26/21 Analyzed: 01/27/21

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	29.7			ug/L	25.0		119	70-130			
Surrogate: Dibromofluoromethane	26.6			ug/L	25.0		106	70-130			
Surrogate: Toluene-d8	27.4			ug/L	25.0		110	70-130			

**LCS (AA14664-BS1)**

Prepared: 01/26/21 Analyzed: 01/27/21

Acetone	21.9	2.0	5.0	ug/L	20.0		110	70-130			
Acrylonitrile	5.21	0.40	5.0	ug/L	5.00		104	70-130			
Benzene	4.88	0.10	0.30	ug/L	5.00		97.6	70-130			
Bromobenzene	5.09	0.20	0.50	ug/L	5.00		102	70-130			
Bromochloromethane	4.59	0.40	0.50	ug/L	5.00		91.8	70-130			
Bromodichloromethane	5.19	0.20	0.50	ug/L	5.00		104	70-130			
Bromoform	4.66	0.30	0.50	ug/L	5.00		93.2	70-130			
Bromomethane	4.92	0.40	0.50	ug/L	5.00		98.4	70-130			
n-Butylbenzene	5.28	0.50	0.50	ug/L	5.00		106	70-130			
sec-Butylbenzene	5.31	0.20	0.50	ug/L	5.00		106	70-130			
tert-Butylbenzene	5.34	0.50	0.50	ug/L	5.00		107	70-130			
Carbon disulfide	4.29	0.40	0.50	ug/L	5.00		85.8	70-130			
Carbon tetrachloride	5.05	0.30	0.50	ug/L	5.00		101	70-130			
Chlorobenzene	4.98	0.20	0.50	ug/L	5.00		99.6	70-130			
Chloroethane	4.48	0.30	0.50	ug/L	5.00		89.6	70-130			
Chloroform	5.19	0.30	0.50	ug/L	5.00		104	70-130			
Chloromethane	5.82	0.40	0.50	ug/L	5.00		116	70-130			
2-Chlorotoluene	5.15	0.20	0.50	ug/L	5.00		103	70-130			
4-Chlorotoluene	5.06	0.20	0.50	ug/L	5.00		101	70-130			
Dibromochloromethane	5.08	0.30	0.50	ug/L	5.00		102	70-130			
1,2-Dibromo-3-chloropropane	5.04	0.50	0.50	ug/L	5.00		101	70-130			
1,2-Dibromoethane (EDB)	4.82	0.50	0.50	ug/L	5.00		96.4	70-130			
Dibromomethane	4.52	0.20	0.50	ug/L	5.00		90.4	70-130			
1,2-Dichlorobenzene	4.90	0.20	0.50	ug/L	5.00		98.0	70-130			
1,3-Dichlorobenzene	5.15	0.20	0.50	ug/L	5.00		103	70-130			
1,4-Dichlorobenzene	4.71	0.20	0.50	ug/L	5.00		94.2	70-130			
trans-1,4-Dichloro-2-butene	4.61	0.90	5.0	ug/L	5.00		92.2	70-130			J
Dichlorodifluoromethane	5.75	0.50	0.50	ug/L	5.00		115	70-130			
1,1-Dichloroethane	4.67	0.20	0.50	ug/L	5.00		93.4	70-130			
1,2-Dichloroethane	4.42	0.10	0.50	ug/L	5.00		88.4	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**LCS (AA14664-BS1)**

Prepared: 01/26/21 Analyzed: 01/27/21

1,1-Dichloroethene	4.88	0.30	0.30	ug/L	5.00		97.6	70-130			
cis-1,2-Dichloroethene	4.43	0.10	0.50	ug/L	5.00		88.6	70-130			
trans-1,2-Dichloroethene	4.62	0.10	0.50	ug/L	5.00		92.4	70-130			
1,2-Dichloropropane	4.74	0.20	0.50	ug/L	5.00		94.8	70-130			
1,3-Dichloropropane	4.99	0.10	0.50	ug/L	5.00		99.8	70-130			
2,2-Dichloropropane	3.53	0.30	0.50	ug/L	5.00		70.6	70-130			
1,1-Dichloropropene	5.15	0.20	0.50	ug/L	5.00		103	70-130			
cis-1,3-Dichloropropene	4.87	0.30	0.50	ug/L	5.00		97.4	70-130			
trans-1,3-Dichloropropene	4.78	0.30	0.50	ug/L	5.00		95.6	70-130			
2-Hexanone	5.40	0.50	5.0	ug/L	5.00		108	70-130			
Ethylbenzene	4.89	0.20	0.50	ug/L	5.00		97.8	70-130			
Hexachlorobutadiene	5.04	0.40	0.50	ug/L	5.00		101	70-130			
Isopropylbenzene	5.41	0.20	0.50	ug/L	5.00		108	70-130			
p-Isopropyltoluene	5.34	0.50	0.50	ug/L	5.00		107	70-130			
Methyl ethyl ketone	7.76	0.20	1.0	ug/L	10.0		77.6	70-130			
Methyl iodide	5.73	0.40	2.0	ug/L	5.00		115	70-130			
Methyl isobutyl ketone	10.4	0.90	1.0	ug/L	10.0		104	70-130			
Methylene chloride	5.20	0.40	0.50	ug/L	5.00		104	70-130			
Naphthalene	5.31	0.50	0.50	ug/L	5.00		106	70-130			
n-Propylbenzene	5.19	0.50	0.50	ug/L	5.00		104	70-130			
Styrene	5.01	0.20	0.50	ug/L	5.00		100	70-130			
1,1,1,2-Tetrachloroethane	4.06	0.40	0.50	ug/L	5.00		81.2	70-130			
1,1,2,2-Tetrachloroethane	4.63	0.20	0.50	ug/L	5.00		92.6	70-130			
Tetrachloroethene	5.18	0.20	0.50	ug/L	5.00		104	70-130			
Toluene	4.97	0.30	0.50	ug/L	5.00		99.4	70-130			
1,2,3-Trichlorobenzene	4.92	0.40	0.50	ug/L	5.00		98.4	70-130			
1,2,4-Trichlorobenzene	4.76	0.40	0.50	ug/L	5.00		95.2	70-130			
1,1,1-Trichloroethane	4.92	0.40	0.50	ug/L	5.00		98.4	70-130			
1,1,2-Trichloroethane	4.78	0.20	0.50	ug/L	5.00		95.6	70-130			
Trichloroethene	5.01	0.30	0.50	ug/L	5.00		100	70-130			
Trichlorofluoromethane	5.42	0.50	0.50	ug/L	5.00		108	70-130			
Trichlorotrifluoroethane	6.08	0.40	0.50	ug/L	5.00		122	70-130			
1,2,3-Trichloropropane	5.15	0.50	0.50	ug/L	5.00		103	70-130			
1,2,4-Trimethylbenzene	5.22	0.50	0.50	ug/L	5.00		104	70-130			
1,3,5-Trimethylbenzene	5.13	0.50	0.50	ug/L	5.00		103	70-130			
Vinyl chloride	4.96	0.50	0.50	ug/L	5.00		99.2	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**LCS (AA14664-BS1)**

Prepared: 01/26/21 Analyzed: 01/27/21

m,p-Xylene	10.2	0.20	0.50	ug/L	10.0	102	70-130				
o-Xylene	5.05	0.20	0.50	ug/L	5.00	101	70-130				
Xylenes (total)	15.3	0.20	0.50	ug/L	15.0	102	70-130				
Methyl tert-butyl ether	5.72	0.50	3.0	ug/L	5.00	114	70-130				
Ethyl tert-butyl ether	5.44	0.40	0.50	ug/L	5.00	109	70-130				
Tert-amyl methyl ether	5.93	0.30	0.50	ug/L	5.00	119	70-130				
Surrogate: Bromofluorobenzene	30.0			ug/L	25.0	120	70-130				
Surrogate: Dibromofluoromethane	25.6			ug/L	25.0	102	70-130				
Surrogate: Toluene-d8	28.5			ug/L	25.0	114	70-130				

**LCS Dup (AA14664-BSD1)**

Prepared: 01/26/21 Analyzed: 01/27/21

Acetone	23.9	2.0	5.0	ug/L	20.0	120	70-130	8.63	30		
Acrylonitrile	5.25	0.40	5.0	ug/L	5.00	105	70-130	0.765	30		
Benzene	5.09	0.10	0.30	ug/L	5.00	102	70-130	4.21	30		
Bromobenzene	4.99	0.20	0.50	ug/L	5.00	99.8	70-130	1.98	30		
Bromochloromethane	5.06	0.40	0.50	ug/L	5.00	101	70-130	9.74	30		
Bromodichloromethane	5.70	0.20	0.50	ug/L	5.00	114	70-130	9.37	30		
Bromoform	4.68	0.30	0.50	ug/L	5.00	93.6	70-130	0.428	30		
Bromomethane	4.78	0.40	0.50	ug/L	5.00	95.6	70-130	2.89	30		
n-Butylbenzene	5.28	0.50	0.50	ug/L	5.00	106	70-130	0.00	30		
sec-Butylbenzene	5.19	0.20	0.50	ug/L	5.00	104	70-130	2.29	30		
tert-Butylbenzene	5.18	0.50	0.50	ug/L	5.00	104	70-130	3.04	30		
Carbon disulfide	4.41	0.40	0.50	ug/L	5.00	88.2	70-130	2.76	30		
Carbon tetrachloride	5.65	0.30	0.50	ug/L	5.00	113	70-130	11.2	30		
Chlorobenzene	4.88	0.20	0.50	ug/L	5.00	97.6	70-130	2.03	30		
Chloroethane	4.23	0.30	0.50	ug/L	5.00	84.6	70-130	5.74	30		
Chloroform	5.10	0.30	0.50	ug/L	5.00	102	70-130	1.75	30		
Chloromethane	5.84	0.40	0.50	ug/L	5.00	117	70-130	0.343	30		
2-Chlorotoluene	5.09	0.20	0.50	ug/L	5.00	102	70-130	1.17	30		
4-Chlorotoluene	4.94	0.20	0.50	ug/L	5.00	98.8	70-130	2.40	30		
Dibromochloromethane	5.02	0.30	0.50	ug/L	5.00	100	70-130	1.19	30		
1,2-Dibromo-3-chloropropane	5.13	0.50	0.50	ug/L	5.00	103	70-130	1.77	25		
1,2-Dibromoethane (EDB)	4.68	0.50	0.50	ug/L	5.00	93.6	70-130	2.95	25		
Dibromomethane	5.02	0.20	0.50	ug/L	5.00	100	70-130	10.5	30		
1,2-Dichlorobenzene	4.81	0.20	0.50	ug/L	5.00	96.2	70-130	1.85	30		
1,3-Dichlorobenzene	4.97	0.20	0.50	ug/L	5.00	99.4	70-130	3.56	30		
1,4-Dichlorobenzene	4.66	0.20	0.50	ug/L	5.00	93.2	70-130	1.07	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**LCS Dup (AA14664-BSD1)**

Prepared: 01/26/21 Analyzed: 01/27/21

trans-1,4-Dichloro-2-butene	4.55	0.90	5.0	ug/L	5.00		91.0	70-130	1.31	25	J
Dichlorodifluoromethane	5.34	0.50	0.50	ug/L	5.00		107	70-130	7.39	30	
1,1-Dichloroethane	4.91	0.20	0.50	ug/L	5.00		98.2	70-130	5.01	30	
1,2-Dichloroethane	4.61	0.10	0.50	ug/L	5.00		92.2	70-130	4.21	30	
1,1-Dichloroethene	5.13	0.30	0.30	ug/L	5.00		103	70-130	5.00	30	
cis-1,2-Dichloroethene	4.83	0.10	0.50	ug/L	5.00		96.6	70-130	8.64	30	
trans-1,2-Dichloroethene	4.73	0.10	0.50	ug/L	5.00		94.6	70-130	2.35	30	
1,2-Dichloropropane	5.02	0.20	0.50	ug/L	5.00		100	70-130	5.74	30	
1,3-Dichloropropane	4.84	0.10	0.50	ug/L	5.00		96.8	70-130	3.05	30	
2,2-Dichloropropane	3.58	0.30	0.50	ug/L	5.00		71.6	70-130	1.41	30	
1,1-Dichloropropene	5.41	0.20	0.50	ug/L	5.00		108	70-130	4.92	30	
cis-1,3-Dichloropropene	4.99	0.30	0.50	ug/L	5.00		99.8	70-130	2.43	30	
trans-1,3-Dichloropropene	4.65	0.30	0.50	ug/L	5.00		93.0	70-130	2.76	30	
Ethylbenzene	4.82	0.20	0.50	ug/L	5.00		96.4	70-130	1.44	30	
2-Hexanone	4.98	0.50	5.0	ug/L	5.00		99.6	70-130	8.09	25	J
Hexachlorobutadiene	5.24	0.40	0.50	ug/L	5.00		105	70-130	3.89	30	
Isopropylbenzene	5.26	0.20	0.50	ug/L	5.00		105	70-130	2.81	30	
p-Isopropyltoluene	5.20	0.50	0.50	ug/L	5.00		104	70-130	2.66	30	
Methyl ethyl ketone	8.91	0.20	1.0	ug/L	10.0		89.1	70-130	13.8	30	
Methyl iodide	5.96	0.40	2.0	ug/L	5.00		119	70-130	3.93	25	
Methyl isobutyl ketone	10.6	0.90	1.0	ug/L	10.0		106	70-130	2.00	30	
Methylene chloride	5.51	0.40	0.50	ug/L	5.00		110	70-130	5.79	30	
Naphthalene	5.59	0.50	0.50	ug/L	5.00		112	70-130	5.14	30	
n-Propylbenzene	5.12	0.50	0.50	ug/L	5.00		102	70-130	1.36	30	
Styrene	4.81	0.20	0.50	ug/L	5.00		96.2	70-130	4.07	30	
1,1,1,2-Tetrachloroethane	4.17	0.40	0.50	ug/L	5.00		83.4	70-130	2.67	30	
1,1,2,2-Tetrachloroethane	4.51	0.20	0.50	ug/L	5.00		90.2	70-130	2.63	30	
Tetrachloroethene	5.08	0.20	0.50	ug/L	5.00		102	70-130	1.95	30	
Toluene	4.94	0.30	0.50	ug/L	5.00		98.8	70-130	0.605	30	
1,2,3-Trichlorobenzene	5.19	0.40	0.50	ug/L	5.00		104	70-130	5.34	30	
1,2,4-Trichlorobenzene	4.90	0.40	0.50	ug/L	5.00		98.0	70-130	2.90	30	
1,1,1-Trichloroethane	5.30	0.40	0.50	ug/L	5.00		106	70-130	7.44	30	
1,1,2-Trichloroethane	4.66	0.20	0.50	ug/L	5.00		93.2	70-130	2.54	30	
Trichloroethene	5.34	0.30	0.50	ug/L	5.00		107	70-130	6.38	30	
Trichlorofluoromethane	5.17	0.50	0.50	ug/L	5.00		103	70-130	4.72	30	
Trichlorotrifluoroethane	5.96	0.40	0.50	ug/L	5.00		119	70-130	1.99	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

**LCS Dup (AA14664-BSD1)**

Prepared: 01/26/21 Analyzed: 01/27/21

1,2,3-Trichloropropane	4.84	0.50	0.50	ug/L	5.00		96.8	70-130	6.21	25	
1,2,4-Trimethylbenzene	5.06	0.50	0.50	ug/L	5.00		101	70-130	3.11	30	
1,3,5-Trimethylbenzene	5.00	0.50	0.50	ug/L	5.00		100	70-130	2.57	30	
Vinyl chloride	5.33	0.50	0.50	ug/L	5.00		107	70-130	7.19	30	
m,p-Xylene	10.1	0.20	0.50	ug/L	10.0		101	70-130	1.18	30	
o-Xylene	4.87	0.20	0.50	ug/L	5.00		97.4	70-130	3.63	30	
Xylenes (total)	15.0	0.20	0.50	ug/L	15.0		99.7	70-130	1.99	30	
Methyl tert-butyl ether	6.08	0.50	3.0	ug/L	5.00		122	70-130	6.10	30	
Ethyl tert-butyl ether	5.11	0.40	0.50	ug/L	5.00		102	70-130	6.26	30	
Tert-amyl methyl ether	6.38	0.30	0.50	ug/L	5.00		128	70-130	7.31	30	
Surrogate: Bromofluorobenzene	30.8			ug/L	25.0		123	70-130			
Surrogate: Dibromofluoromethane	28.4			ug/L	25.0		113	70-130			
Surrogate: Toluene-d8	29.5			ug/L	25.0		118	70-130			

**Matrix Spike (AA14664-MS1)**

Source: 21A2013-02

Prepared: 01/26/21 Analyzed: 01/28/21

Acetone	18.5	2.0	5.0	ug/L	20.0	ND	92.6	70-130			
Acrylonitrile	4.29	0.40	5.0	ug/L	5.00	ND	85.8	70-130			J
Benzene	5.45	0.10	0.30	ug/L	5.00	ND	109	70-130			
Bromobenzene	5.52	0.20	0.50	ug/L	5.00	ND	110	70-130			
Bromochloromethane	5.04	0.40	0.50	ug/L	5.00	ND	101	70-130			
Bromodichloromethane	6.72	0.20	0.50	ug/L	5.00	ND	134	70-130			QM-05
Bromoform	4.20	0.30	0.50	ug/L	5.00	ND	84.0	70-130			
Bromomethane	6.14	0.40	0.50	ug/L	5.00	ND	123	70-130			
n-Butylbenzene	6.29	0.50	0.50	ug/L	5.00	ND	126	70-130			
sec-Butylbenzene	6.12	0.20	0.50	ug/L	5.00	ND	122	70-130			
tert-Butylbenzene	6.01	0.50	0.50	ug/L	5.00	ND	120	70-130			
Carbon disulfide	3.93	0.40	0.50	ug/L	5.00	ND	78.6	70-130			
Carbon tetrachloride	5.72	0.30	0.50	ug/L	5.00	ND	114	70-130			
Chlorobenzene	5.61	0.20	0.50	ug/L	5.00	ND	112	70-130			
Chloroethane	5.45	0.30	0.50	ug/L	5.00	ND	109	70-130			
Chloroform	6.48	0.30	0.50	ug/L	5.00	ND	130	70-130			
Chloromethane	6.50	0.40	0.50	ug/L	5.00	ND	130	70-130			
2-Chlorotoluene	5.80	0.20	0.50	ug/L	5.00	ND	116	70-130			
4-Chlorotoluene	5.64	0.20	0.50	ug/L	5.00	ND	113	70-130			
Dibromochloromethane	4.85	0.30	0.50	ug/L	5.00	ND	97.0	70-130			
1,2-Dibromo-3-chloropropane	4.82	0.50	0.50	ug/L	5.00	ND	96.4	70-130			
1,2-Dibromoethane (EDB)	5.00	0.50	0.50	ug/L	5.00	ND	100	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

Matrix Spike (AA14664-MS1)	Source: 21A2013-02			Prepared: 01/26/21		Analyzed: 01/28/21					
Dibromomethane	4.85	0.20	0.50	ug/L	5.00	ND	97.0	70-130			
1,2-Dichlorobenzene	5.33	0.20	0.50	ug/L	5.00	ND	107	70-130			
1,3-Dichlorobenzene	5.60	0.20	0.50	ug/L	5.00	ND	112	70-130			
1,4-Dichlorobenzene	5.23	0.20	0.50	ug/L	5.00	ND	105	70-130			
trans-1,4-Dichloro-2-butene	3.74	0.90	5.0	ug/L	5.00	ND	74.8	70-130			J
Dichlorodifluoromethane	6.50	0.50	0.50	ug/L	5.00	ND	130	70-130			
1,1-Dichloroethane	5.45	0.20	0.50	ug/L	5.00	ND	109	70-130			
1,2-Dichloroethane	4.78	0.10	0.50	ug/L	5.00	ND	95.6	70-130			
1,1-Dichloroethene	5.76	0.30	0.30	ug/L	5.00	ND	115	70-130			
cis-1,2-Dichloroethene	5.04	0.10	0.50	ug/L	5.00	ND	101	70-130			
trans-1,2-Dichloroethene	5.25	0.10	0.50	ug/L	5.00	ND	105	70-130			
1,2-Dichloropropane	5.14	0.20	0.50	ug/L	5.00	ND	103	70-130			
1,3-Dichloropropane	5.38	0.10	0.50	ug/L	5.00	ND	108	70-130			
2,2-Dichloropropane	5.17	0.30	0.50	ug/L	5.00	ND	103	70-130			
1,1-Dichloropropene	6.10	0.20	0.50	ug/L	5.00	ND	122	70-130			
cis-1,3-Dichloropropene	4.60	0.30	0.50	ug/L	5.00	ND	92.0	70-130			
trans-1,3-Dichloropropene	4.82	0.30	0.50	ug/L	5.00	ND	96.4	70-130			
Ethylbenzene	5.64	0.20	0.50	ug/L	5.00	ND	113	70-130			
2-Hexanone	4.33	0.50	5.0	ug/L	5.00	ND	86.6	70-130			J
Hexachlorobutadiene	5.49	0.40	0.50	ug/L	5.00	ND	110	70-130			
Isopropylbenzene	6.22	0.20	0.50	ug/L	5.00	ND	124	70-130			
p-Isopropyltoluene	5.99	0.50	0.50	ug/L	5.00	ND	120	70-130			
Methyl ethyl ketone	8.36	0.20	1.0	ug/L	10.0	ND	83.6	70-130			
Methyl iodide	6.39	0.40	2.0	ug/L	5.00	ND	128	70-130			
Methyl isobutyl ketone	9.77	0.90	1.0	ug/L	10.0	ND	97.7	70-130			
Methylene chloride	4.88	0.40	0.50	ug/L	5.00	ND	97.6	70-130			
Naphthalene	5.45	0.50	0.50	ug/L	5.00	ND	109	70-130			
n-Propylbenzene	5.89	0.50	0.50	ug/L	5.00	ND	118	70-130			
Styrene	ND	0.20	0.50	ug/L	5.00	ND		70-130			QM-05, U
1,1,1,2-Tetrachloroethane	4.36	0.40	0.50	ug/L	5.00	ND	87.2	70-130			
1,1,2,2-Tetrachloroethane	4.99	0.20	0.50	ug/L	5.00	ND	99.8	70-130			
Tetrachloroethene	10.8	0.20	0.50	ug/L	5.00	ND	216	70-130			QM-05
Toluene	5.88	0.30	0.50	ug/L	5.00	ND	118	70-130			
1,2,3-Trichlorobenzene	5.22	0.40	0.50	ug/L	5.00	ND	104	70-130			
1,2,4-Trichlorobenzene	5.16	0.40	0.50	ug/L	5.00	ND	103	70-130			
1,1,1-Trichloroethane	5.33	0.40	0.50	ug/L	5.00	ND	107	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

Matrix Spike (AA14664-MS1)	Source: 21A2013-02			Prepared: 01/26/21		Analyzed: 01/28/21					
1,1,2-Trichloroethane	5.05	0.20	0.50	ug/L	5.00	ND	101	70-130			
Trichloroethene	16.4	0.30	0.50	ug/L	5.00	ND	329	70-130			QM-05
Trichlorofluoromethane	6.65	0.50	0.50	ug/L	5.00	ND	133	70-130			QM-05
Trichlorotrifluoroethane	6.48	0.40	0.50	ug/L	5.00	ND	130	70-130			
1,2,3-Trichloropropane	5.21	0.50	0.50	ug/L	5.00	ND	104	70-130			
1,2,4-Trimethylbenzene	5.98	0.50	0.50	ug/L	5.00	ND	120	70-130			
1,3,5-Trimethylbenzene	5.64	0.50	0.50	ug/L	5.00	ND	113	70-130			
Vinyl chloride	6.49	0.50	0.50	ug/L	5.00	ND	130	70-130			
m,p-Xylene	11.8	0.20	0.50	ug/L	10.0	ND	118	70-130			
o-Xylene	5.44	0.20	0.50	ug/L	5.00	ND	109	70-130			
Xylenes (total)	17.3	0.20	0.50	ug/L	15.0	ND	115	70-130			
Methyl tert-butyl ether	5.09	0.50	3.0	ug/L	5.00	ND	102	70-130			
Ethyl tert-butyl ether	5.04	0.40	0.50	ug/L	5.00	ND	101	70-130			
Tert-amyl methyl ether	5.43	0.30	0.50	ug/L	5.00	ND	109	70-130			
Surrogate: Bromofluorobenzene	29.3			ug/L	25.0		117	70-130			
Surrogate: Dibromofluoromethane	26.3			ug/L	25.0		105	70-130			
Surrogate: Toluene-d8	28.5			ug/L	25.0		114	70-130			

Matrix Spike Dup (AA14664-MSD1)	Source: 21A2013-02			Prepared: 01/26/21		Analyzed: 01/28/21					
Acetone	23.8	2.0	5.0	ug/L	20.0	ND	119	70-130	25.2	30	
Acrylonitrile	5.37	0.40	5.0	ug/L	5.00	ND	107	70-130	22.4	30	
Benzene	5.55	0.10	0.30	ug/L	5.00	ND	111	70-130	1.82	30	
Bromobenzene	5.43	0.20	0.50	ug/L	5.00	ND	109	70-130	1.64	30	
Bromochloromethane	5.35	0.40	0.50	ug/L	5.00	ND	107	70-130	5.97	30	
Bromodichloromethane	6.97	0.20	0.50	ug/L	5.00	ND	139	70-130	3.65	30	QM-05
Bromoform	4.60	0.30	0.50	ug/L	5.00	ND	92.0	70-130	9.09	30	
Bromomethane	6.13	0.40	0.50	ug/L	5.00	ND	123	70-130	0.163	30	
n-Butylbenzene	6.10	0.50	0.50	ug/L	5.00	ND	122	70-130	3.07	30	
sec-Butylbenzene	5.87	0.20	0.50	ug/L	5.00	ND	117	70-130	4.17	30	
tert-Butylbenzene	5.80	0.50	0.50	ug/L	5.00	ND	116	70-130	3.56	30	
Carbon disulfide	4.34	0.40	0.50	ug/L	5.00	ND	86.8	70-130	9.92	30	
Carbon tetrachloride	5.89	0.30	0.50	ug/L	5.00	ND	118	70-130	2.93	30	
Chlorobenzene	5.39	0.20	0.50	ug/L	5.00	ND	108	70-130	4.00	30	
Chloroethane	5.79	0.30	0.50	ug/L	5.00	ND	116	70-130	6.05	30	
Chloroform	6.50	0.30	0.50	ug/L	5.00	ND	130	70-130	0.308	30	
Chloromethane	6.46	0.40	0.50	ug/L	5.00	ND	129	70-130	0.617	30	
2-Chlorotoluene	5.68	0.20	0.50	ug/L	5.00	ND	114	70-130	2.09	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

Matrix Spike Dup (AA14664-MSD1)	Source: 21A2013-02			Prepared: 01/26/21		Analyzed: 01/28/21					
4-Chlorotoluene	5.47	0.20	0.50	ug/L	5.00	ND	109	70-130	3.06	30	
Dibromochloromethane	5.27	0.30	0.50	ug/L	5.00	ND	105	70-130	8.30	30	
1,2-Dibromo-3-chloropropane	5.14	0.50	0.50	ug/L	5.00	ND	103	70-130	6.43	25	
1,2-Dibromoethane (EDB)	5.09	0.50	0.50	ug/L	5.00	ND	102	70-130	1.78	25	
Dibromomethane	5.23	0.20	0.50	ug/L	5.00	ND	105	70-130	7.54	30	
1,2-Dichlorobenzene	5.45	0.20	0.50	ug/L	5.00	ND	109	70-130	2.23	30	
1,3-Dichlorobenzene	5.41	0.20	0.50	ug/L	5.00	ND	108	70-130	3.45	30	
1,4-Dichlorobenzene	5.20	0.20	0.50	ug/L	5.00	ND	104	70-130	0.575	30	
trans-1,4-Dichloro-2-butene	4.17	0.90	5.0	ug/L	5.00	ND	83.4	70-130	10.9	25	J
Dichlorodifluoromethane	6.31	0.50	0.50	ug/L	5.00	ND	126	70-130	2.97	30	
1,1-Dichloroethane	5.65	0.20	0.50	ug/L	5.00	ND	113	70-130	3.60	30	
1,2-Dichloroethane	5.49	0.10	0.50	ug/L	5.00	ND	110	70-130	13.8	30	
1,1-Dichloroethene	5.80	0.30	0.30	ug/L	5.00	ND	116	70-130	0.692	30	
cis-1,2-Dichloroethene	5.42	0.10	0.50	ug/L	5.00	ND	108	70-130	7.27	30	
trans-1,2-Dichloroethene	5.58	0.10	0.50	ug/L	5.00	ND	112	70-130	6.09	30	
1,2-Dichloropropane	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130	0.582	30	
1,3-Dichloropropane	5.28	0.10	0.50	ug/L	5.00	ND	106	70-130	1.88	30	
2,2-Dichloropropane	3.52	0.30	0.50	ug/L	5.00	ND	70.4	70-130	38.0	30	QM-05
1,1-Dichloropropene	6.04	0.20	0.50	ug/L	5.00	ND	121	70-130	0.988	30	
cis-1,3-Dichloropropene	4.52	0.30	0.50	ug/L	5.00	ND	90.4	70-130	1.75	30	
trans-1,3-Dichloropropene	4.69	0.30	0.50	ug/L	5.00	ND	93.8	70-130	2.73	30	
2-Hexanone	4.79	0.50	5.0	ug/L	5.00	ND	95.8	70-130	10.1	25	J
Ethylbenzene	5.42	0.20	0.50	ug/L	5.00	ND	108	70-130	3.98	30	
Hexachlorobutadiene	5.48	0.40	0.50	ug/L	5.00	ND	110	70-130	0.182	30	
Isopropylbenzene	6.02	0.20	0.50	ug/L	5.00	ND	120	70-130	3.27	30	
p-Isopropyltoluene	5.81	0.50	0.50	ug/L	5.00	ND	116	70-130	3.05	30	
Methyl ethyl ketone	9.51	0.20	1.0	ug/L	10.0	ND	95.1	70-130	12.9	30	
Methyl iodide	6.49	0.40	2.0	ug/L	5.00	ND	130	70-130	1.55	25	
Methyl isobutyl ketone	10.6	0.90	1.0	ug/L	10.0	ND	106	70-130	8.53	30	
Methylene chloride	5.19	0.40	0.50	ug/L	5.00	ND	104	70-130	6.16	30	
Naphthalene	6.11	0.50	0.50	ug/L	5.00	ND	122	70-130	11.4	30	
n-Propylbenzene	5.79	0.50	0.50	ug/L	5.00	ND	116	70-130	1.71	30	
Styrene	ND	0.20	0.50	ug/L	5.00	ND		70-130		30	QM-05, U
1,1,1,2-Tetrachloroethane	4.48	0.40	0.50	ug/L	5.00	ND	89.6	70-130	2.71	30	
1,1,2,2-Tetrachloroethane	5.13	0.20	0.50	ug/L	5.00	ND	103	70-130	2.77	30	
Tetrachloroethene	10.4	0.20	0.50	ug/L	5.00	ND	209	70-130	3.39	30	QM-05

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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 #2020093003	Reported: 02/03/21 09:43
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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 AA14664 - VOAs in Water GCMS**

Matrix Spike Dup (AA14664-MSD1)	Source: 21A2013-02			Prepared: 01/26/21		Analyzed: 01/28/21					
Toluene	5.76	0.30	0.50	ug/L	5.00	ND	115	70-130	2.06	30	
1,2,3-Trichlorobenzene	5.61	0.40	0.50	ug/L	5.00	ND	112	70-130	7.20	30	
1,2,4-Trichlorobenzene	5.37	0.40	0.50	ug/L	5.00	ND	107	70-130	3.99	30	
1,1,1-Trichloroethane	5.81	0.40	0.50	ug/L	5.00	ND	116	70-130	8.62	30	
1,1,2-Trichloroethane	5.05	0.20	0.50	ug/L	5.00	ND	101	70-130	0.00	30	
Trichloroethene	16.7	0.30	0.50	ug/L	5.00	ND	333	70-130	1.33	30	QM-05
Trichlorofluoromethane	6.49	0.50	0.50	ug/L	5.00	ND	130	70-130	2.44	30	
Trichlorotrifluoroethane	6.45	0.40	0.50	ug/L	5.00	ND	129	70-130	0.464	30	
1,2,3-Trichloropropane	5.38	0.50	0.50	ug/L	5.00	ND	108	70-130	3.21	25	
1,2,4-Trimethylbenzene	5.73	0.50	0.50	ug/L	5.00	ND	115	70-130	4.27	30	
1,3,5-Trimethylbenzene	4.97	0.50	0.50	ug/L	5.00	ND	99.4	70-130	12.6	30	
Vinyl chloride	6.25	0.50	0.50	ug/L	5.00	ND	125	70-130	3.77	30	
m,p-Xylene	11.2	0.20	0.50	ug/L	10.0	ND	112	70-130	5.12	30	
o-Xylene	5.34	0.20	0.50	ug/L	5.00	ND	107	70-130	1.86	30	
Xylenes (total)	16.6	0.20	0.50	ug/L	15.0	ND	110	70-130	4.08	30	
Methyl tert-butyl ether	5.59	0.50	3.0	ug/L	5.00	ND	112	70-130	9.36	30	
Ethyl tert-butyl ether	4.77	0.40	0.50	ug/L	5.00	ND	95.4	70-130	5.50	30	
Tert-amyl methyl ether	5.93	0.30	0.50	ug/L	5.00	ND	119	70-130	8.80	30	
Surrogate: Bromofluorobenzene	27.8			ug/L	25.0		111	70-130			
Surrogate: Dibromofluoromethane	26.5			ug/L	25.0		106	70-130			
Surrogate: Toluene-d8	27.2			ug/L	25.0		109	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**Blank (AA14728-BLK1)**

Prepared & Analyzed: 01/27/21

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
Chloromethane	ND	0.40	0.50	ug/L							U
Chloroprene	ND	0.40	1.0	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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA (NP) Project Number: Silicone Batch #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**Blank (AA14728-BLK1)**

Prepared & Analyzed: 01/27/21

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
Ethyl methacrylate	ND	0.70	10	ug/L							U
Ethanol	ND	20	50	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
Hexachlorobutadiene	ND	0.50	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 isobutyl ketone	ND	0.60	1.0	ug/L							U
Methyl methacrylate	ND	0.40	1.0	ug/L							U
Propionitrile	ND	20	50	ug/L							U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
Naphthalene	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**Blank (AA14728-BLK1)**

Prepared & Analyzed: 01/27/21

Toluene	ND	0.30	0.30	ug/L							U
1,2,4-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,3-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	27.4			ug/L	25.0		110	70-130			
Surrogate: Dibromofluoromethane	25.9			ug/L	25.0		104	70-130			
Surrogate: Toluene-d8	27.4			ug/L	25.0		110	70-130			

**LCS (AA14728-BS1)**

Prepared & Analyzed: 01/27/21

Acetone	71.6	3.0	5.0	ug/L	80.0		89.5	48-124			
Acetonitrile	1980	50	100	ug/L	2000		99.2	70-130			
Allyl chloride	19.2	0.40	10	ug/L	20.0		95.8	70-130			
Acrylonitrile	19.0	0.40	5.0	ug/L	20.0		95.2	70-130			
Benzene	18.2	0.30	0.30	ug/L	20.0		90.8	82-122			
Bromobenzene	19.6	0.40	0.50	ug/L	20.0		98.0	83-122			
Bromochloromethane	21.2	0.40	0.50	ug/L	20.0		106	83-124			
Bromodichloromethane	20.2	0.40	0.50	ug/L	20.0		101	86-135			
Bromoform	16.7	0.30	0.50	ug/L	20.0		83.5	76-144			
Bromomethane	17.9	0.40	0.50	ug/L	20.0		89.5	69-145			
n-Butylbenzene	18.7	0.40	0.50	ug/L	20.0		93.4	79-132			
sec-Butylbenzene	20.8	0.40	0.50	ug/L	20.0		104	86-132			
tert-Butylbenzene	22.0	0.30	0.50	ug/L	20.0		110	82-126			
Carbon disulfide	21.2	0.40	5.0	ug/L	20.0		106	70-130			
Carbon tetrachloride	19.2	0.40	0.50	ug/L	20.0		95.9	77-134			
Chlorobenzene	18.6	0.30	0.50	ug/L	20.0		92.8	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**LCS (AA14728-BS1)**

Prepared & Analyzed: 01/27/21

Chloroethane	20.3	0.40	0.50	ug/L	20.0		102	68-133			
2-Chloroethylvinyl ether	32.9	0.70	1.0	ug/L	40.0		82.2	75-130			
Chloroform	20.1	0.40	0.50	ug/L	20.0		100	81-122			
Chloromethane	21.9	0.40	0.50	ug/L	20.0		110	63-129			
Chloroprene	20.9	0.40	1.0	ug/L	20.0		104	70-130			
2-Chlorotoluene	20.2	0.40	0.50	ug/L	20.0		101	79-132			
4-Chlorotoluene	19.6	0.30	0.50	ug/L	20.0		98.2	80-122			
Dibromochloromethane	19.8	0.40	0.50	ug/L	20.0		99.2	83-135			
1,2-Dibromo-3-chloropropane	14.7	0.60	2.0	ug/L	20.0		73.3	73-128			
1,2-Dibromoethane (EDB)	19.7	0.40	0.50	ug/L	20.0		98.4	80-120			
Dibromomethane	20.2	0.40	0.50	ug/L	20.0		101	82-124			
1,2-Dichlorobenzene	18.9	0.40	0.50	ug/L	20.0		94.5	84-121			
1,3-Dichlorobenzene	19.6	0.40	0.50	ug/L	20.0		97.9	80-120			
1,4-Dichlorobenzene	18.2	0.10	0.50	ug/L	20.0		91.0	84-120			
trans-1,4-Dichloro-2-butene	16.7	0.50	5.0	ug/L	20.0		83.6	70-130			
Dichlorodifluoromethane	20.1	0.40	0.50	ug/L	20.0		100	52-142			
1,1-Dichloroethane	19.4	0.30	0.50	ug/L	20.0		97.2	81-126			
1,2-Dichloroethane	18.2	0.40	0.50	ug/L	20.0		91.1	77-117			
1,1-Dichloroethene	18.7	0.30	0.50	ug/L	20.0		93.6	71-151			
cis-1,2-Dichloroethene	19.0	0.40	0.50	ug/L	20.0		95.2	84-131			
trans-1,2-Dichloroethene	20.8	0.40	0.50	ug/L	20.0		104	79-128			
1,2-Dichloropropane	18.9	0.40	0.50	ug/L	20.0		94.6	82-125			
1,3-Dichloropropane	17.8	0.40	0.50	ug/L	20.0		88.8	83-120			
2,2-Dichloropropane	17.0	0.50	0.50	ug/L	20.0		85.0	80-125			
1,1-Dichloropropene	20.2	0.40	0.50	ug/L	20.0		101	85-130			
cis-1,3-Dichloropropene	20.5	0.40	0.50	ug/L	20.0		103	83-128			
trans-1,3-Dichloropropene	16.0	0.40	0.50	ug/L	20.0		80.1	67-129			
Diethyl ether	23.4	0.20	1.0	ug/L	20.0		117	70-130			
Di-isopropyl ether	22.9	0.40	0.50	ug/L	20.0		114	83-132			
Ethylbenzene	19.5	0.40	0.50	ug/L	20.0		97.7	84-124			
Ethanol	1000	20	50	ug/L	980		102	50-150			
Ethyl methacrylate	18.4	0.70	10	ug/L	20.0		92.0	70-130			
Hexachloroethane	16.1	0.40	1.0	ug/L	20.0		80.7	70-130			
Ethyl tert-butyl ether	19.7	0.40	0.50	ug/L	20.0		98.6	74-127			
Hexachlorobutadiene	19.1	0.50	0.50	ug/L	20.0		95.6	75-135			
2-Hexanone	18.2	0.50	5.0	ug/L	20.0		91.0	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**LCS (AA14728-BS1)**

Prepared & Analyzed: 01/27/21

Isobutanol	1840	40	100	ug/L	2000		92.1	70-130			
Isopropylbenzene	21.1	0.40	0.50	ug/L	20.0		106	75-116			
p-Isopropyltoluene	21.1	0.40	0.50	ug/L	20.0		106	78-124			
Methylene chloride	18.3	0.50	0.50	ug/L	20.0		91.7	72-132			
Methacrylonitrile	21.0	0.40	1.0	ug/L	20.0		105	70-130			
Methyl ethyl ketone	36.0	0.70	1.0	ug/L	40.0		90.0	58-157			
Methyl iodide	22.6	0.40	2.0	ug/L	20.0		113	56-167			
Methyl isobutyl ketone	36.7	0.60	1.0	ug/L	40.0		91.8	70-130			
Methyl methacrylate	20.4	0.40	1.0	ug/L	20.0		102	70-130			
Naphthalene	17.7	0.50	0.50	ug/L	20.0		88.6	84-134			
Propionitrile	978	20	50	ug/L	1000		97.8	70-130			
Methyl tert-butyl ether	19.6	0.50	0.50	ug/L	20.0		98.0	84-119			
n-Propylbenzene	19.1	0.40	0.50	ug/L	20.0		95.4	75-127			
Styrene	20.2	0.40	0.50	ug/L	20.0		101	80-125			
Tert-amyl methyl ether	18.9	0.40	0.50	ug/L	20.0		94.6	74-120			
Tert-butyl alcohol	401	6.0	10	ug/L	400		100	66-147			
1,1,1,2-Tetrachloroethane	18.7	0.40	0.50	ug/L	20.0		93.4	80-132			
1,1,2,2-Tetrachloroethane	18.4	0.30	0.50	ug/L	20.0		92.0	84-115			
Tetrachloroethene	19.6	0.40	0.50	ug/L	20.0		97.8	56-156			
Tetrahydrofuran	20.3	0.40	5.0	ug/L	20.0		101	70-130			
Toluene	19.2	0.30	0.30	ug/L	20.0		96.1	76-137			
1,2,3-Trichlorobenzene	20.4	0.50	0.50	ug/L	20.0		102	85-133			
1,2,4-Trichlorobenzene	20.7	0.50	0.50	ug/L	20.0		103	84-126			
1,1,1-Trichloroethane	19.3	0.40	0.50	ug/L	20.0		96.6	70-130			
1,1,2-Trichloroethane	18.7	0.40	0.50	ug/L	20.0		93.4	83-122			
Trichloroethene	18.6	0.40	0.50	ug/L	20.0		93.2	84-123			
Trichlorofluoromethane	19.9	0.20	0.50	ug/L	20.0		99.5	74-130			
1,2,3-Trichloropropane	19.0	0.40	0.50	ug/L	20.0		95.2	78-122			
Trichlorotrifluoroethane	22.6	0.20	0.50	ug/L	20.0		113	82-125			
1,2,4-Trimethylbenzene	19.9	0.40	0.50	ug/L	20.0		99.4	85-127			
1,3,5-Trimethylbenzene	21.5	0.30	0.50	ug/L	20.0		108	80-125			
Vinyl acetate	46.3	0.80	1.0	ug/L	40.0		116	60-140			
Vinyl chloride	23.8	0.40	0.50	ug/L	20.0		119	70-130			
m,p-Xylene	39.5	0.50	0.50	ug/L	40.0		98.8	81-124			
o-Xylene	20.2	0.40	0.50	ug/L	20.0		101	80-126			
Xylenes (total)	59.7	0.50	0.50	ug/L	60.0		99.5	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**LCS (AA14728-BS1)**

Prepared & Analyzed: 01/27/21

Surrogate: Bromofluorobenzene	28.1			ug/L	25.0		112	70-130			
Surrogate: Dibromofluoromethane	26.8			ug/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.6			ug/L	25.0		102	70-130			

**LCS Dup (AA14728-BS1)**

Prepared & Analyzed: 01/27/21

Acetone	69.3	3.0	5.0	ug/L	80.0		86.6	48-124	3.32	25	
Acetonitrile	1840	50	100	ug/L	2000		91.8	70-130	7.80	25	
Acrylonitrile	19.4	0.40	5.0	ug/L	20.0		97.2	70-130	2.08	25	
Allyl chloride	18.2	0.40	10	ug/L	20.0		91.2	70-130	5.03	25	
Benzene	17.8	0.30	0.30	ug/L	20.0		88.9	82-122	2.11	25	
Bromobenzene	19.1	0.40	0.50	ug/L	20.0		95.6	83-122	2.48	25	
Bromochloromethane	19.3	0.40	0.50	ug/L	20.0		96.6	83-124	9.13	25	
Bromodichloromethane	20.2	0.40	0.50	ug/L	20.0		101	86-135	0.0989	25	
Bromoform	17.3	0.30	0.50	ug/L	20.0		86.6	76-144	3.64	25	
Bromomethane	17.5	0.40	0.50	ug/L	20.0		87.3	69-145	2.49	25	
n-Butylbenzene	18.4	0.40	0.50	ug/L	20.0		91.9	79-132	1.67	25	
sec-Butylbenzene	19.4	0.40	0.50	ug/L	20.0		97.0	86-132	7.15	25	
tert-Butylbenzene	20.4	0.30	0.50	ug/L	20.0		102	82-126	7.27	25	
Carbon disulfide	19.9	0.40	5.0	ug/L	20.0		99.6	70-130	6.42	30	
Carbon tetrachloride	18.7	0.40	0.50	ug/L	20.0		93.7	77-134	2.32	25	
Chlorobenzene	18.4	0.30	0.50	ug/L	20.0		92.1	84-119	0.703	25	
Chloroethane	18.6	0.40	0.50	ug/L	20.0		92.8	68-133	9.16	25	
2-Chloroethylvinyl ether	37.1	0.70	1.0	ug/L	40.0		92.7	75-130	12.0	30	
Chloroform	19.2	0.40	0.50	ug/L	20.0		95.8	81-122	4.69	25	
Chloroprene	19.6	0.40	1.0	ug/L	20.0		98.1	70-130	6.17	25	
Chloromethane	20.3	0.40	0.50	ug/L	20.0		102	63-129	7.72	25	
2-Chlorotoluene	19.4	0.40	0.50	ug/L	20.0		97.0	79-132	3.99	25	
4-Chlorotoluene	19.0	0.30	0.50	ug/L	20.0		95.1	80-122	3.21	25	
Dibromochloromethane	19.8	0.40	0.50	ug/L	20.0		99.0	83-135	0.151	25	
1,2-Dibromo-3-chloropropane	14.9	0.60	2.0	ug/L	20.0		74.7	73-128	1.89	25	
1,2-Dibromoethane (EDB)	19.2	0.40	0.50	ug/L	20.0		95.8	80-120	2.63	25	
Dibromomethane	19.5	0.40	0.50	ug/L	20.0		97.7	82-124	3.32	25	
1,2-Dichlorobenzene	19.1	0.40	0.50	ug/L	20.0		95.7	84-121	1.26	25	
1,3-Dichlorobenzene	18.8	0.40	0.50	ug/L	20.0		94.0	80-120	4.01	25	
1,4-Dichlorobenzene	18.5	0.10	0.50	ug/L	20.0		92.4	84-120	1.64	25	
trans-1,4-Dichloro-2-butene	18.1	0.50	5.0	ug/L	20.0		90.4	70-130	7.88	25	
Dichlorodifluoromethane	19.6	0.40	0.50	ug/L	20.0		97.8	52-142	2.77	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**LCS Dup (AA14728-BSD1)**

Prepared & Analyzed: 01/27/21

1,1-Dichloroethane	17.8	0.30	0.50	ug/L	20.0		89.1	81-126	8.70	25	
1,2-Dichloroethane	17.4	0.40	0.50	ug/L	20.0		87.1	77-117	4.49	25	
1,1-Dichloroethene	17.7	0.30	0.50	ug/L	20.0		88.6	71-151	5.60	25	
cis-1,2-Dichloroethene	17.4	0.40	0.50	ug/L	20.0		87.2	84-131	8.78	25	
trans-1,2-Dichloroethene	18.2	0.40	0.50	ug/L	20.0		91.1	79-128	13.4	25	
1,2-Dichloropropane	19.2	0.40	0.50	ug/L	20.0		96.0	82-125	1.52	25	
1,3-Dichloropropane	18.1	0.40	0.50	ug/L	20.0		90.4	83-120	1.79	25	
2,2-Dichloropropane	17.0	0.50	0.50	ug/L	20.0		84.8	80-125	0.235	25	
1,1-Dichloropropene	19.9	0.40	0.50	ug/L	20.0		99.5	85-130	1.30	25	
cis-1,3-Dichloropropene	22.0	0.40	0.50	ug/L	20.0		110	83-128	7.00	25	
trans-1,3-Dichloropropene	17.1	0.40	0.50	ug/L	20.0		85.6	67-129	6.64	25	
Diethyl ether	21.5	0.20	1.0	ug/L	20.0		108	70-130	8.37	25	
Di-isopropyl ether	22.3	0.40	0.50	ug/L	20.0		112	83-132	2.57	25	
Ethanol	1020	20	50	ug/L	980		104	50-150	2.30	25	
Ethylbenzene	19.6	0.40	0.50	ug/L	20.0		98.0	84-124	0.307	25	
Ethyl methacrylate	20.3	0.70	10	ug/L	20.0		102	70-130	9.96	25	
Ethyl tert-butyl ether	19.8	0.40	0.50	ug/L	20.0		98.8	74-127	0.304	25	
Hexachlorobutadiene	18.0	0.50	0.50	ug/L	20.0		90.0	75-135	6.04	25	
Hexachloroethane	16.3	0.40	1.0	ug/L	20.0		81.3	70-130	0.741	25	
2-Hexanone	18.6	0.50	5.0	ug/L	20.0		92.8	70-130	1.96	30	
Isobutanol	1900	40	100	ug/L	2000		95.1	70-130	3.15	25	
Isopropylbenzene	20.0	0.40	0.50	ug/L	20.0		100	75-116	5.39	25	
p-Isopropyltoluene	20.0	0.40	0.50	ug/L	20.0		99.8	78-124	5.65	25	
Methylene chloride	17.9	0.50	0.50	ug/L	20.0		89.4	72-132	2.48	25	
Methacrylonitrile	20.9	0.40	1.0	ug/L	20.0		104	70-130	0.382	25	
Methyl ethyl ketone	38.7	0.70	1.0	ug/L	40.0		96.8	58-157	7.28	25	
Methyl iodide	21.0	0.40	2.0	ug/L	20.0		105	56-167	7.44	30	
Methyl methacrylate	23.9	0.40	1.0	ug/L	20.0		120	70-130	15.8	25	
Methyl isobutyl ketone	38.5	0.60	1.0	ug/L	40.0		96.4	70-130	4.86	25	
Naphthalene	17.3	0.50	0.50	ug/L	20.0		86.4	84-134	2.57	25	
Methyl tert-butyl ether	19.1	0.50	0.50	ug/L	20.0		95.4	84-119	2.79	25	
Propionitrile	967	20	50	ug/L	1000		96.7	70-130	1.12	25	
n-Propylbenzene	18.5	0.40	0.50	ug/L	20.0		92.4	75-127	3.20	25	
Styrene	20.2	0.40	0.50	ug/L	20.0		101	80-125	0.495	25	
Tert-amyl methyl ether	18.3	0.40	0.50	ug/L	20.0		91.4	74-120	3.49	25	
Tert-butyl alcohol	415	6.0	10	ug/L	400		104	66-147	3.45	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

**LCS Dup (AA14728-BSD1)**

Prepared & Analyzed: 01/27/21

1,1,1,2-Tetrachloroethane	17.9	0.40	0.50	ug/L	20.0		89.7	80-132	4.04	25	
1,1,2,2-Tetrachloroethane	18.1	0.30	0.50	ug/L	20.0		90.4	84-115	1.75	25	
Tetrachloroethene	19.3	0.40	0.50	ug/L	20.0		96.4	56-156	1.39	25	
Tetrahydrofuran	21.2	0.40	5.0	ug/L	20.0		106	70-130	4.58	25	
Toluene	18.8	0.30	0.30	ug/L	20.0		94.2	76-137	2.05	25	
1,2,4-Trichlorobenzene	20.2	0.50	0.50	ug/L	20.0		101	84-126	2.40	25	
1,2,3-Trichlorobenzene	19.0	0.50	0.50	ug/L	20.0		95.2	85-133	7.04	25	
1,1,1-Trichloroethane	19.1	0.40	0.50	ug/L	20.0		95.4	70-130	1.15	25	
1,1,2-Trichloroethane	18.8	0.40	0.50	ug/L	20.0		93.8	83-122	0.427	25	
Trichloroethene	18.7	0.40	0.50	ug/L	20.0		93.3	84-123	0.107	25	
Trichlorofluoromethane	19.3	0.20	0.50	ug/L	20.0		96.6	74-130	2.91	25	
1,2,3-Trichloropropane	18.8	0.40	0.50	ug/L	20.0		94.2	78-122	1.11	25	
Trichlorotrifluoroethane	21.4	0.20	0.50	ug/L	20.0		107	82-125	5.27	25	
1,2,4-Trimethylbenzene	18.6	0.40	0.50	ug/L	20.0		93.2	85-127	6.38	25	
1,3,5-Trimethylbenzene	20.1	0.30	0.50	ug/L	20.0		101	80-125	6.68	25	
Vinyl acetate	48.9	0.80	1.0	ug/L	40.0		122	60-140	5.42	25	
Vinyl chloride	22.5	0.40	0.50	ug/L	20.0		112	70-130	5.58	25	
m,p-Xylene	39.3	0.50	0.50	ug/L	40.0		98.3	81-124	0.507	25	
o-Xylene	19.5	0.40	0.50	ug/L	20.0		97.5	80-126	3.53	25	
Xylenes (total)	58.8	0.50	0.50	ug/L	60.0		98.0	81-126	1.52	25	
Surrogate: Bromofluorobenzene	26.9			ug/L	25.0		108	70-130			
Surrogate: Dibromofluoromethane	25.7			ug/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.8			ug/L	25.0		103	70-130			

**Matrix Spike (AA14728-MS1)**

Source: 21A2228-01

Prepared & Analyzed: 01/27/21

Acetone	61.4	3.0	5.0	ug/L	80.0	ND	76.8	32-164			
Acetonitrile	1660	50	100	ug/L	2000	ND	83.1	70-130			
Allyl chloride	19.5	0.40	10	ug/L	20.0	ND	97.4	70-130			
Acrylonitrile	16.2	0.40	5.0	ug/L	20.0	ND	81.0	70-130			
Benzene	18.9	0.30	0.30	ug/L	20.0	ND	94.3	58-139			
Bromobenzene	19.1	0.40	0.50	ug/L	20.0	ND	95.4	63-143			
Bromochloromethane	22.4	0.40	0.50	ug/L	20.0	ND	112	60-141			
Bromodichloromethane	20.1	0.40	0.50	ug/L	20.0	ND	100	62-140			
Bromoform	14.8	0.30	0.50	ug/L	20.0	ND	74.1	47-165			
Bromomethane	21.1	0.40	0.50	ug/L	20.0	ND	106	30-163			
n-Butylbenzene	19.6	0.40	0.50	ug/L	20.0	ND	98.2	57-147			
sec-Butylbenzene	22.6	0.40	0.50	ug/L	20.0	ND	113	64-155			

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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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

Matrix Spike (AA14728-MS1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
tert-Butylbenzene	23.2	0.30	0.50	ug/L	20.0	ND	116	57-150			
Carbon disulfide	26.0	0.40	5.0	ug/L	20.0	ND	130	70-130			
Carbon tetrachloride	23.2	0.40	0.50	ug/L	20.0	ND	116	65-153			
Chlorobenzene	18.3	0.30	0.50	ug/L	20.0	ND	91.7	58-137			
Chloroethane	21.9	0.40	0.50	ug/L	20.0	ND	110	59-141			
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	40.0	ND		73-107			QM-05, U
Chloroform	21.8	0.40	0.50	ug/L	20.0	ND	109	36-151			
Chloromethane	24.0	0.40	0.50	ug/L	20.0	ND	120	69-149			
Chloroprene	23.2	0.40	1.0	ug/L	20.0	ND	116	70-130			
2-Chlorotoluene	20.1	0.40	0.50	ug/L	20.0	ND	100	54-150			
4-Chlorotoluene	20.2	0.30	0.50	ug/L	20.0	ND	101	59-140			
Dibromochloromethane	18.8	0.40	0.50	ug/L	20.0	ND	94.2	54-157			
1,2-Dibromo-3-chloropropane	12.8	0.60	2.0	ug/L	20.0	ND	64.1	54-137			
1,2-Dibromoethane (EDB)	17.3	0.40	0.50	ug/L	20.0	ND	86.6	40-147			
Dibromomethane	19.0	0.40	0.50	ug/L	20.0	ND	95.2	59-139			
1,2-Dichlorobenzene	19.1	0.40	0.50	ug/L	20.0	ND	95.6	39-145			
1,3-Dichlorobenzene	19.0	0.40	0.50	ug/L	20.0	ND	95.0	54-137			
1,4-Dichlorobenzene	17.8	0.10	0.50	ug/L	20.0	ND	89.0	41-142			
trans-1,4-Dichloro-2-butene	11.9	0.50	5.0	ug/L	20.0	ND	59.6	70-130			QM-05
Dichlorodifluoromethane	22.8	0.40	0.50	ug/L	20.0	ND	114	39-162			
1,1-Dichloroethane	21.1	0.30	0.50	ug/L	20.0	ND	106	39-146			
1,2-Dichloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.5	58-133			
1,1-Dichloroethene	22.6	0.30	0.50	ug/L	20.0	ND	113	70-154			
cis-1,2-Dichloroethene	20.8	0.40	0.50	ug/L	20.0	ND	104	66-141			
trans-1,2-Dichloroethene	22.8	0.40	0.50	ug/L	20.0	ND	114	59-151			
1,2-Dichloropropane	18.4	0.40	0.50	ug/L	20.0	ND	91.8	41-142			
1,3-Dichloropropane	16.4	0.40	0.50	ug/L	20.0	ND	82.2	62-139			
2,2-Dichloropropane	19.2	0.50	0.50	ug/L	20.0	ND	96.0	40-167			
1,1-Dichloropropene	21.5	0.40	0.50	ug/L	20.0	ND	108	58-148			
cis-1,3-Dichloropropene	19.0	0.40	0.50	ug/L	20.0	ND	95.0	50-140			
trans-1,3-Dichloropropene	14.5	0.40	0.50	ug/L	20.0	ND	72.3	40-144			
Diethyl ether	24.4	0.20	1.0	ug/L	20.0	ND	122	70-130			
Di-isopropyl ether	24.2	0.40	0.50	ug/L	20.0	ND	121	49-143			
Ethyl methacrylate	15.6	0.70	10	ug/L	20.0	ND	77.8	70-130			
Ethylbenzene	19.7	0.40	0.50	ug/L	20.0	ND	98.4	59-147			
Ethanol	908	20	50	ug/L	980	ND	92.7	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

Matrix Spike (AA14728-MS1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
Hexachlorobutadiene	19.7	0.50	0.50	ug/L	20.0	ND	98.6	56-149			
Ethyl tert-butyl ether	21.3	0.40	0.50	ug/L	20.0	ND	107	44-143			
Hexachloroethane	17.1	0.40	1.0	ug/L	20.0	ND	85.4	70-130			
2-Hexanone	14.8	0.50	5.0	ug/L	20.0	ND	74.0	70-130			
Isopropylbenzene	22.4	0.40	0.50	ug/L	20.0	ND	112	56-134			
Isobutanol	1390	40	100	ug/L	2000	ND	69.5	70-130			QM-05
p-Isopropyltoluene	22.9	0.40	0.50	ug/L	20.0	ND	114	54-148			
Methylene chloride	20.2	0.50	0.50	ug/L	20.0	ND	101	43-143			
Methacrylonitrile	16.2	0.40	1.0	ug/L	20.0	ND	80.8	70-130			
Methyl ethyl ketone	27.2	0.70	1.0	ug/L	40.0	ND	68.1	62-126			
Methyl iodide	25.6	0.40	2.0	ug/L	20.0	ND	128	70-130			
Methyl methacrylate	16.6	0.40	1.0	ug/L	20.0	ND	83.2	70-130			
Methyl isobutyl ketone	29.7	0.60	1.0	ug/L	40.0	ND	74.4	66-127			
Propionitrile	778	20	50	ug/L	1000	ND	77.8	70-130			
Naphthalene	13.8	0.50	0.50	ug/L	20.0	ND	68.8	52-157			
Methyl tert-butyl ether	20.6	0.50	0.50	ug/L	20.0	ND	103	55-144			
n-Propylbenzene	19.8	0.40	0.50	ug/L	20.0	ND	98.8	55-145			
Styrene	19.8	0.40	0.50	ug/L	20.0	ND	99.2	51-157			
Tert-amyl methyl ether	20.1	0.40	0.50	ug/L	20.0	ND	101	41-136			
Tert-butyl alcohol	335	6.0	10	ug/L	400	ND	83.8	38-175			
1,1,1,2-Tetrachloroethane	19.6	0.40	0.50	ug/L	20.0	ND	98.2	58-146			
1,1,2,2-Tetrachloroethane	16.2	0.30	0.50	ug/L	20.0	ND	80.8	73-127			
Tetrachloroethene	20.2	0.40	0.50	ug/L	20.0	ND	101	49-148			
Tetrahydrofuran	17.7	0.40	5.0	ug/L	20.0	ND	88.3	70-130			
Toluene	19.2	0.30	0.30	ug/L	20.0	ND	96.2	59-147			
1,2,4-Trichlorobenzene	20.2	0.50	0.50	ug/L	20.0	ND	101	50-150			
1,2,3-Trichlorobenzene	17.6	0.50	0.50	ug/L	20.0	ND	88.0	50-161			
1,1,1-Trichloroethane	23.5	0.40	0.50	ug/L	20.0	ND	117	38-164			
1,1,2-Trichloroethane	17.1	0.40	0.50	ug/L	20.0	ND	85.4	46-136			
Trichloroethene	19.4	0.40	0.50	ug/L	20.0	ND	97.0	58-140			
Trichlorofluoromethane	23.4	0.20	0.50	ug/L	20.0	ND	117	56-144			
1,2,3-Trichloropropane	16.3	0.40	0.50	ug/L	20.0	ND	81.6	61-139			
Trichlorotrifluoroethane	27.9	0.20	0.50	ug/L	20.0	ND	139	59-139			
1,2,4-Trimethylbenzene	20.6	0.40	0.50	ug/L	20.0	ND	103	58-152			
1,3,5-Trimethylbenzene	22.2	0.30	0.50	ug/L	20.0	ND	111	58-148			
Vinyl acetate	40.1	0.80	1.0	ug/L	40.0	ND	100	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

Matrix Spike (AA14728-MS1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
Vinyl chloride	25.7	0.40	0.50	ug/L	20.0	ND	129	53-160			
m,p-Xylene	39.4	0.50	0.50	ug/L	40.0	ND	98.6	53-147			
o-Xylene	20.3	0.40	0.50	ug/L	20.0	ND	101	55-148			
Xylenes (total)	59.7	0.50	0.50	ug/L	60.0	ND	99.6	49-153			
Surrogate: Bromofluorobenzene	27.9			ug/L	25.0		112	70-130			
Surrogate: Dibromofluoromethane	28.3			ug/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.7			ug/L	25.0		103	70-130			

Matrix Spike Dup (AA14728-MSD1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
Acetone	60.9	3.0	5.0	ug/L	80.0	ND	76.1	32-164	0.915	25	
Acetonitrile	1500	50	100	ug/L	2000	ND	75.0	70-130	10.3	25	
Allyl chloride	17.1	0.40	10	ug/L	20.0	ND	85.5	70-130	13.1	25	
Acrylonitrile	16.4	0.40	5.0	ug/L	20.0	ND	82.0	70-130	1.17	25	
Benzene	18.4	0.30	0.30	ug/L	20.0	ND	92.2	58-139	2.31	25	
Bromobenzene	19.8	0.40	0.50	ug/L	20.0	ND	99.0	63-143	3.81	25	
Bromochloromethane	21.6	0.40	0.50	ug/L	20.0	ND	108	60-141	3.81	25	
Bromodichloromethane	19.7	0.40	0.50	ug/L	20.0	ND	98.4	62-140	2.01	25	
Bromoform	14.9	0.30	0.50	ug/L	20.0	ND	74.6	47-165	0.605	25	
Bromomethane	20.2	0.40	0.50	ug/L	20.0	ND	101	30-163	4.30	25	
n-Butylbenzene	18.8	0.40	0.50	ug/L	20.0	ND	94.1	57-147	4.26	25	
sec-Butylbenzene	22.3	0.40	0.50	ug/L	20.0	ND	112	64-155	1.20	25	
tert-Butylbenzene	22.8	0.30	0.50	ug/L	20.0	ND	114	57-150	1.66	25	
Carbon disulfide	26.0	0.40	5.0	ug/L	20.0	ND	130	70-130	0.0769	30	
Carbon tetrachloride	22.8	0.40	0.50	ug/L	20.0	ND	114	65-153	1.78	25	
Chlorobenzene	18.0	0.30	0.50	ug/L	20.0	ND	90.2	58-137	1.70	25	
Chloroethane	21.9	0.40	0.50	ug/L	20.0	ND	109	59-141	0.228	25	
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	40.0	ND		73-107		30	QM-05, U
Chloroform	21.5	0.40	0.50	ug/L	20.0	ND	107	36-151	1.57	25	
Chloromethane	23.2	0.40	0.50	ug/L	20.0	ND	116	69-149	3.31	25	
Chloroprene	23.4	0.40	1.0	ug/L	20.0	ND	117	70-130	0.902	25	
2-Chlorotoluene	20.6	0.40	0.50	ug/L	20.0	ND	103	54-150	2.41	25	
4-Chlorotoluene	20.3	0.30	0.50	ug/L	20.0	ND	101	59-140	0.395	25	
Dibromochloromethane	18.7	0.40	0.50	ug/L	20.0	ND	93.4	54-157	0.852	25	
1,2-Dibromo-3-chloropropane	10.8	0.60	2.0	ug/L	20.0	ND	54.2	54-137	16.6	25	
1,2-Dibromoethane (EDB)	17.7	0.40	0.50	ug/L	20.0	ND	88.6	40-147	2.28	25	
Dibromomethane	18.4	0.40	0.50	ug/L	20.0	ND	92.0	59-139	3.47	25	
1,2-Dichlorobenzene	18.2	0.40	0.50	ug/L	20.0	ND	90.8	39-145	5.10	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

Matrix Spike Dup (AA14728-MSD1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
1,3-Dichlorobenzene	19.4	0.40	0.50	ug/L	20.0	ND	96.9	54-137	2.03	25	
1,4-Dichlorobenzene	17.3	0.10	0.50	ug/L	20.0	ND	86.6	41-142	2.79	25	
trans-1,4-Dichloro-2-butene	12.9	0.50	5.0	ug/L	20.0	ND	64.6	70-130	8.21	25	QM-05
Dichlorodifluoromethane	21.8	0.40	0.50	ug/L	20.0	ND	109	39-162	4.08	25	
1,1-Dichloroethane	21.3	0.30	0.50	ug/L	20.0	ND	107	39-146	0.989	25	
1,2-Dichloroethane	17.1	0.40	0.50	ug/L	20.0	ND	85.6	58-133	6.60	25	
1,1-Dichloroethene	22.4	0.30	0.50	ug/L	20.0	ND	112	70-154	0.978	25	
cis-1,2-Dichloroethene	20.0	0.40	0.50	ug/L	20.0	ND	100	66-141	3.82	25	
trans-1,2-Dichloroethene	23.2	0.40	0.50	ug/L	20.0	ND	116	59-151	1.52	25	
1,2-Dichloropropane	18.6	0.40	0.50	ug/L	20.0	ND	92.8	41-142	1.14	25	
1,3-Dichloropropane	16.2	0.40	0.50	ug/L	20.0	ND	81.0	62-139	1.41	25	
2,2-Dichloropropane	19.0	0.50	0.50	ug/L	20.0	ND	94.8	40-167	1.31	25	
1,1-Dichloropropene	22.1	0.40	0.50	ug/L	20.0	ND	110	58-148	2.57	25	
cis-1,3-Dichloropropene	19.3	0.40	0.50	ug/L	20.0	ND	96.3	50-140	1.36	25	
trans-1,3-Dichloropropene	15.0	0.40	0.50	ug/L	20.0	ND	75.0	40-144	3.60	25	
Diethyl ether	23.8	0.20	1.0	ug/L	20.0	ND	119	70-130	2.33	25	
Di-isopropyl ether	24.1	0.40	0.50	ug/L	20.0	ND	121	49-143	0.372	25	
Ethylbenzene	20.0	0.40	0.50	ug/L	20.0	ND	99.8	59-147	1.46	25	
Ethyl methacrylate	16.6	0.70	10	ug/L	20.0	ND	83.0	70-130	6.34	25	
Ethanol	852	20	50	ug/L	980	ND	87.0	50-150	6.35	25	
Hexachloroethane	16.4	0.40	1.0	ug/L	20.0	ND	82.1	70-130	3.94	25	
Ethyl tert-butyl ether	21.7	0.40	0.50	ug/L	20.0	ND	108	44-143	1.68	25	
Hexachlorobutadiene	19.8	0.50	0.50	ug/L	20.0	ND	98.9	56-149	0.253	25	
2-Hexanone	14.5	0.50	5.0	ug/L	20.0	ND	72.7	70-130	1.77	30	
Isobutanol	1420	40	100	ug/L	2000	ND	70.9	70-130	1.94	25	
Isopropylbenzene	22.2	0.40	0.50	ug/L	20.0	ND	111	56-134	0.718	25	
p-Isopropyltoluene	22.5	0.40	0.50	ug/L	20.0	ND	113	54-148	1.67	25	
Methylene chloride	19.8	0.50	0.50	ug/L	20.0	ND	99.0	43-143	1.85	25	
Methacrylonitrile	16.8	0.40	1.0	ug/L	20.0	ND	83.8	70-130	3.64	25	
Methyl ethyl ketone	26.6	0.70	1.0	ug/L	40.0	ND	66.6	62-126	2.27	25	
Methyl iodide	25.5	0.40	2.0	ug/L	20.0	ND	128	70-130	0.235	30	
Methyl isobutyl ketone	29.1	0.60	1.0	ug/L	40.0	ND	72.7	66-127	2.28	25	
Methyl methacrylate	17.0	0.40	1.0	ug/L	20.0	ND	85.1	70-130	2.26	25	
Methyl tert-butyl ether	20.2	0.50	0.50	ug/L	20.0	ND	101	55-144	1.77	25	
Naphthalene	13.6	0.50	0.50	ug/L	20.0	ND	67.8	52-157	1.54	25	
Propionitrile	758	20	50	ug/L	1000	ND	75.8	70-130	2.62	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 #2020093003	Reported: 02/03/21 09:43
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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 AA14728 - VOAs in Water GCMS**

Matrix Spike Dup (AA14728-MSD1)	Source: 21A2228-01			Prepared & Analyzed: 01/27/21							
n-Propylbenzene	19.9	0.40	0.50	ug/L	20.0	ND	99.6	55-145	0.907	25	
Styrene	20.1	0.40	0.50	ug/L	20.0	ND	100	51-157	1.25	25	
Tert-amyl methyl ether	20.4	0.40	0.50	ug/L	20.0	ND	102	41-136	1.33	25	
Tert-butyl alcohol	346	6.0	10	ug/L	400	ND	86.5	38-175	3.14	25	
1,1,1,2-Tetrachloroethane	19.3	0.40	0.50	ug/L	20.0	ND	96.6	58-146	1.75	25	
1,1,2,2-Tetrachloroethane	16.2	0.30	0.50	ug/L	20.0	ND	81.2	73-127	0.494	25	
Tetrachloroethene	20.0	0.40	0.50	ug/L	20.0	ND	99.8	49-148	1.39	25	
Tetrahydrofuran	16.6	0.40	5.0	ug/L	20.0	ND	82.9	70-130	6.31	25	
Toluene	19.0	0.30	0.30	ug/L	20.0	ND	94.8	59-147	1.57	25	
1,2,4-Trichlorobenzene	19.8	0.50	0.50	ug/L	20.0	ND	99.2	50-150	1.75	25	
1,2,3-Trichlorobenzene	17.4	0.50	0.50	ug/L	20.0	ND	86.8	50-161	1.37	25	
1,1,1-Trichloroethane	23.1	0.40	0.50	ug/L	20.0	ND	115	38-164	1.72	25	
1,1,2-Trichloroethane	16.7	0.40	0.50	ug/L	20.0	ND	83.4	46-136	2.31	25	
Trichloroethene	18.9	0.40	0.50	ug/L	20.0	ND	94.4	58-140	2.72	25	
Trichlorofluoromethane	23.9	0.20	0.50	ug/L	20.0	ND	119	56-144	2.03	25	
1,2,3-Trichloropropane	16.6	0.40	0.50	ug/L	20.0	ND	82.8	61-139	1.46	25	
Trichlorotrifluoroethane	26.2	0.20	0.50	ug/L	20.0	ND	131	59-139	6.17	25	
1,2,4-Trimethylbenzene	20.6	0.40	0.50	ug/L	20.0	ND	103	58-152	0.340	25	
1,3,5-Trimethylbenzene	22.3	0.30	0.50	ug/L	20.0	ND	111	58-148	0.270	25	
Vinyl acetate	39.6	0.80	1.0	ug/L	40.0	ND	98.9	70-130	1.43	25	
Vinyl chloride	23.1	0.40	0.50	ug/L	20.0	ND	116	53-160	10.7	25	
m,p-Xylene	40.6	0.50	0.50	ug/L	40.0	ND	102	53-147	2.97	25	
o-Xylene	20.8	0.40	0.50	ug/L	20.0	ND	104	55-148	2.48	25	
Xylenes (total)	61.4	0.50	0.50	ug/L	60.0	ND	102	49-153	2.81	25	
Surrogate: Bromofluorobenzene	27.9			ug/L	25.0		112	70-130			
Surrogate: Dibromofluoromethane	27.9			ug/L	25.0		112	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

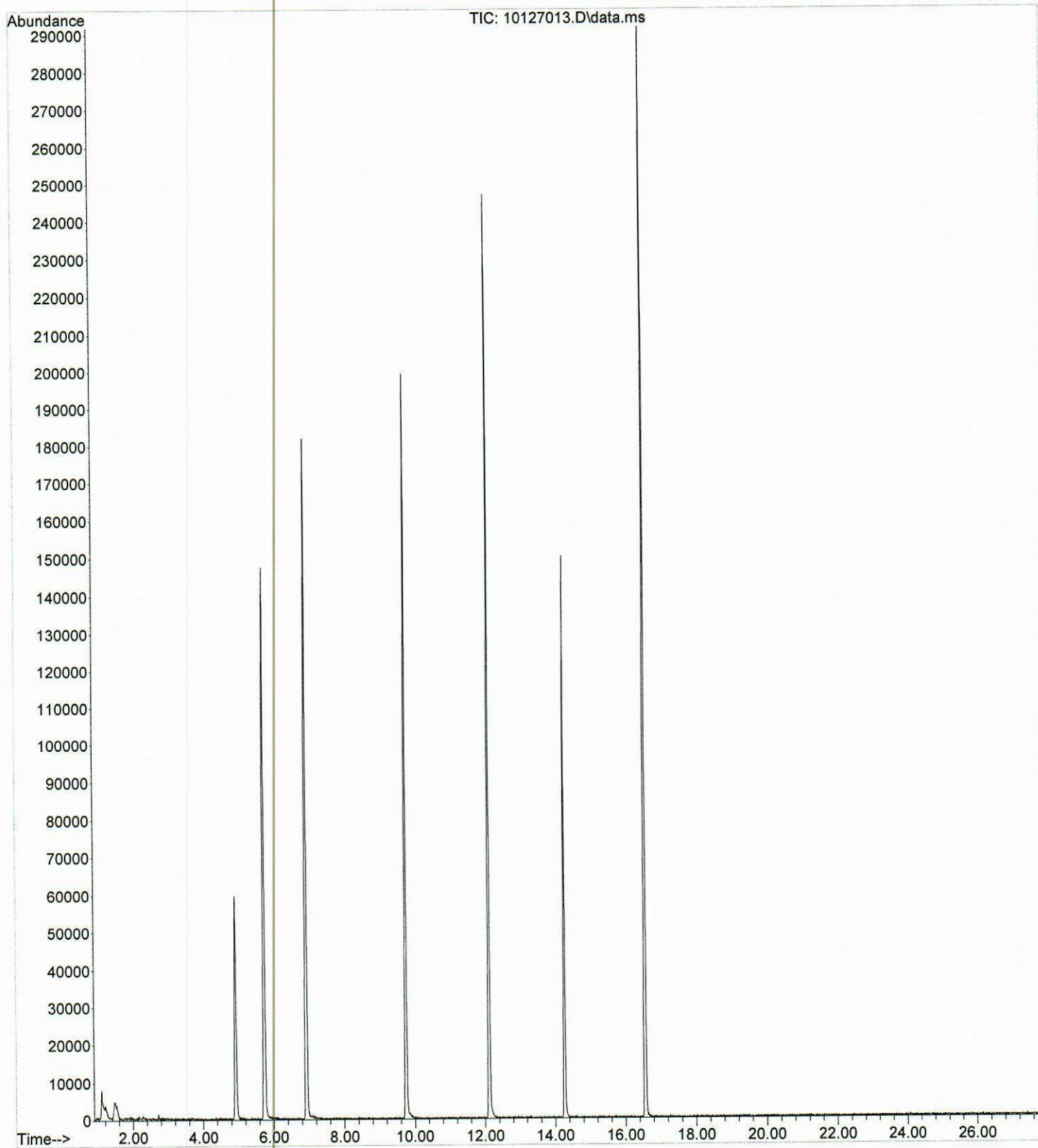
Project Manager: Quality Control Manager  
Project: QC- 40ml Amber VOA (NP)  
Project Number: Silicone Batch #2020093003

Reported:  
02/03/21 09:43

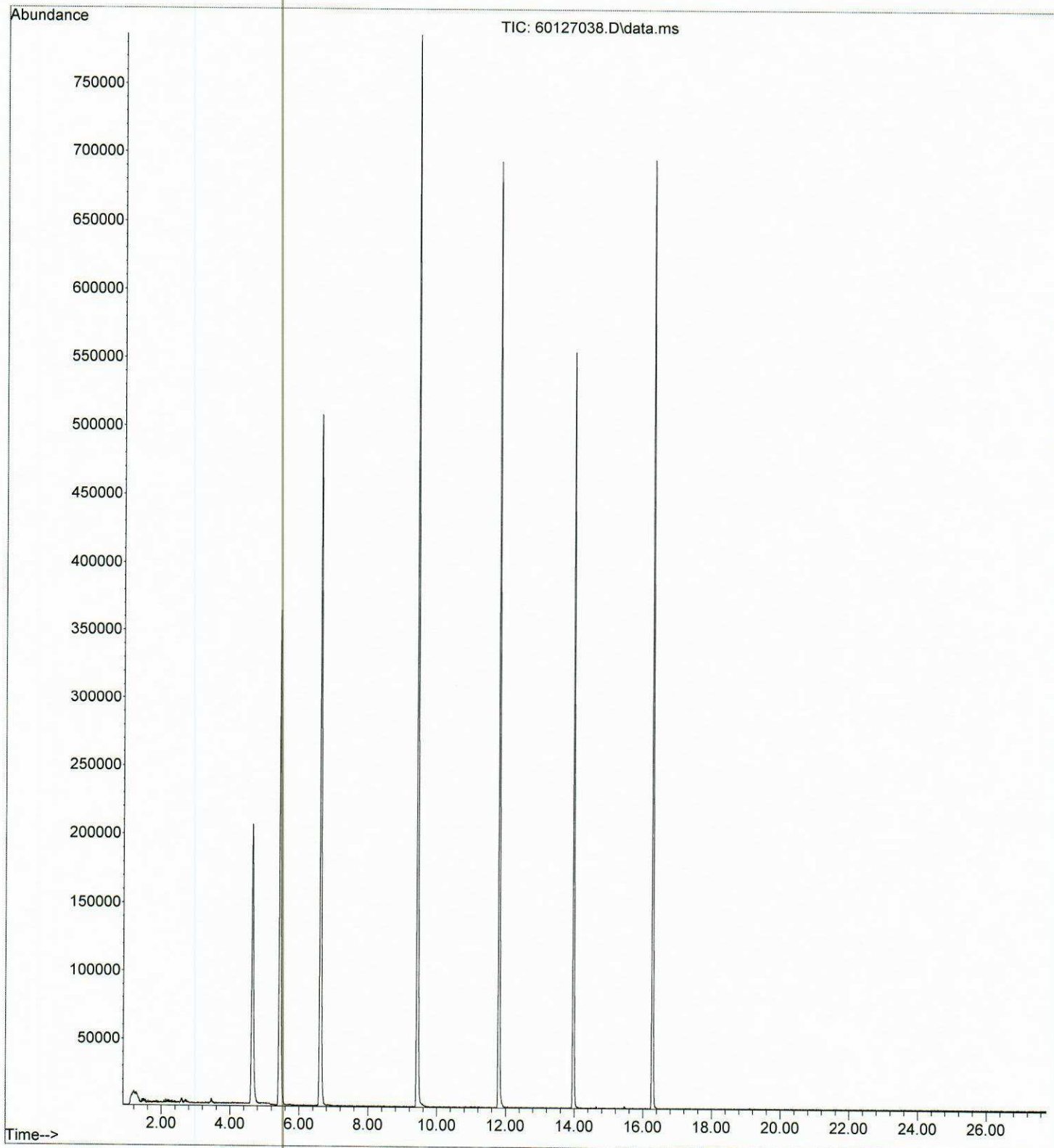
### Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- 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\012721\10127013.D  
Operator : JV  
Acquired : 27 Jan 2021 4:59 pm using AcqMethod MS1INS.M  
Instrument : GCMS1  
Sample Name: 21A1996-01  
Misc Info :  
Vial Number: 13



File :D:\MassHunter\GCMS\1\data\012721\60127038.D  
Operator : LJJ/JV  
Acquired : 28 Jan 2021 12:39 pm using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 21A1996-02  
Misc Info :  
Vial Number: 38





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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. 21A1996 Page      of     

<b>Report to:</b> Company: <u>Sample Traps LLC</u> Attn: <u>Quality Control Manager</u> Address: <u>    </u> Phone/Fax: <u>    </u> Email Address: <u>admin@sampletraps.com</u>		<b>Invoice to (if different):</b> Company: <u>    </u> Attn: <u>    </u> Address: <u>    </u> Phone/Fax: <u>    </u> Email Address: <u>    </u>		<b>Project Info for Report:</b> Project ID: <u>QC- 40ml Amber VOA Vial (NP)</u> Project No: <u>Silicone Batch Number 2020093003</u> PO/Reference : <u>    </u>		Signature below authorizes work under terms stated on reverse side.																			
<b>Samplers Signature:</b> Print: <u>    </u>		<b>Container:</b> 40ml VOA <input type="checkbox"/> Poly <input type="checkbox"/> Glass bottle <input type="checkbox"/> Glass Jar <input type="checkbox"/>		<b>Preservative:</b> HCL <input type="checkbox"/> Methanol <input type="checkbox"/> Na Bisulfate <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/>		<b>Matrix:</b> Water <input type="checkbox"/> Container <input type="checkbox"/>		: Total Number of Containers		8260 Sample Traps <input checked="" type="checkbox"/>		524.2 Sample Traps <input checked="" type="checkbox"/>		j-flags <input checked="" type="checkbox"/>		include chromatograph with report <input checked="" type="checkbox"/>		TOC <input type="checkbox"/>		TAT 10 days <input type="checkbox"/> 5 days <input type="checkbox"/> 48 hours <input type="checkbox"/> Other: <input type="checkbox"/> days		Lab Approval Required For Rush TATs		Sample Notes (lab use only) Temperature: <u>    </u> deg. C Shipment Method: <u>    </u> Custody Seals: <u>Y / N</u>	
<b>Sample Identification</b>		<b>Sampled:</b> Date <u>1/14</u> Time <u>    </u>																							
A1006CUBS - 01								2		x		x		x											
A1006CUBS - 02								2		x															
please use Ukiah reagent water for the analysis																									
<b>Relinquished by:</b> <u>Via BAL</u>		<b>Received by:</b> <u>    </u>		<b>Date:</b> <u>1-14-21</u>		<b>Time:</b> <u>0900</u>		<b>CDPH Write On EDT Transmission?</b> <input type="radio"/> Yes <input type="radio"/> No State System Number: <u>    </u> 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: <u>    </u>												Sampling Company Log Code: <u>    </u>													
EDF to (Email Address): <u>    </u>												Travel and Site Time: <u>    </u> Mileage: <u>    </u> Misc. Supplies: <u>    </u>													