



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

28 February 2022

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA- HCl

Work Order: 22B0773

Enclosed are the results of analyses for samples received by the laboratory on 02/07/22 07:30. 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
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- HCl
Project Number: Silicone Batch Number 2021071503

Reported:
02/28/22 09:51

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
A2033CVBS - 01	22B0773-01	Water	02/07/22 00:00	02/07/22 07:30
A2033CVBS - 02	22B0773-02	Water	02/07/22 00:00	02/07/22 07:30



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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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
AZ033CVBS - 02 (22B0773-02) Water Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
Acetone	ND	2.0	5.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Benzene	ND	0.10	0.30	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
sec-Butylbenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Chloroethane	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Chloroform	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2-Dichloroethane	ND	0.10	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
trans-1,2-Dichloroethene	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,3-Dichloropropane	ND	0.10	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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
A2033CVBS - 02 (22B0773-02) Water Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1-Dichloropropene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
trans-1,3-Dichloropropene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Ethylbenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Isopropylbenzene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Methyl ethyl ketone	ND	0.20	1.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Methyl isobutyl ketone	ND	0.90	1.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Styrene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Tetrachloroethene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Toluene	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Trichloroethene	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
o-Xylene	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Xylenes (total)	ND	0.20	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	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- HCl
 Project Number: Silicone Batch Number 2021071503

Reported:
 02/28/22 09:51

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
A2033CVBS - 02 (22B0773-02) Water												
Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	U
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130			AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	
<i>Surrogate: Dibromofluoromethane</i>		80.0 %	70-130			AB23664	02/14/22 11:00	02/14/22 12:41	EPA 524.2	JV	1551	
<i>Surrogate: Toluene-d8</i>		105 %	70-130			AB23664	02/14/22 11:00	02/14/22 12:41	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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
A2033CVBS - 01 (22B0773-01) Water Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
Acetone	ND	3.0	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Acetonitrile	ND	50	100	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Allyl chloride	ND	0.40	10	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Benzene	ND	0.30	0.30	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Chloroethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Chloroform	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Chloroprene	ND	0.40	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1-Dichloroethane	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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
A2033CVBS - 01 (22B0773-01) Water Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
2,2-Dichloropropane	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Ethanol	ND	20	50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Ethyl acetate	ND	0.25	2.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Isobutanol	ND	40	100	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Propionitrile	ND	20	50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Styrene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Toluene	ND	0.30	0.30	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	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- HCl
 Project Number: Silicone Batch Number 2021071503

Reported:
 02/28/22 09:51

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
A2033CVBS - 01 (22B0773-01) Water Sampled: 02/07/22 00:00 Received: 02/07/22 07:30												
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2,4-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
o-Xylene	ND	0.40	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	U
Surrogate: Bromofluorobenzene		98.3 %	70-130			AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	
Surrogate: Dibromofluoromethane		87.4 %	70-130			AB23454	02/09/22 15:00	02/09/22 15:22	EPA 8260B	JV	1551	
Surrogate: Toluene-d8		99.1 %	70-130			AB23454	02/09/22 15:00	02/09/22 15:22	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

Blank (AB23664-BLK1)

Prepared: 02/13/22 Analyzed: 02/14/22

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
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	0.30	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
1,1-Dichloropropene	ND	0.20	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

Blank (AB23664-BLK1)

Prepared: 02/13/22 Analyzed: 02/14/22

cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.50	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	0.50	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,1,2,2-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
Ethyl tert-butyl ether	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

Blank (AB23664-BLK1)

Prepared: 02/13/22 Analyzed: 02/14/22

Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	27.5			ug/L	25.0		110	70-130			
Surrogate: Dibromofluoromethane	19.1			ug/L	25.0		76.6	70-130			
Surrogate: Toluene-d8	26.0			ug/L	25.0		104	70-130			

LCS (AB23664-BS1)

Prepared: 02/13/22 Analyzed: 02/14/22

Acetone	17.5	2.0	5.0	ug/L	20.0		87.4	70-130			
Acrylonitrile	4.11	0.40	5.0	ug/L	5.00		82.2	70-130			J
Benzene	4.30	0.10	0.30	ug/L	5.00		86.0	70-130			
Bromobenzene	5.26	0.20	0.50	ug/L	5.00		105	70-130			
Bromochloromethane	4.00	0.40	0.50	ug/L	5.00		80.0	70-130			
Bromodichloromethane	4.59	0.20	0.50	ug/L	5.00		91.8	70-130			
Bromoform	4.43	0.30	0.50	ug/L	5.00		88.6	70-130			
Bromomethane	4.02	0.40	0.50	ug/L	5.00		80.4	70-130			
n-Butylbenzene	5.05	0.50	0.50	ug/L	5.00		101	70-130			
sec-Butylbenzene	5.03	0.20	0.50	ug/L	5.00		101	70-130			
tert-Butylbenzene	5.05	0.50	0.50	ug/L	5.00		101	70-130			
Carbon disulfide	3.75	0.40	0.50	ug/L	5.00		75.0	70-130			
Carbon tetrachloride	3.85	0.30	0.50	ug/L	5.00		77.0	70-130			
Chlorobenzene	4.93	0.20	0.50	ug/L	5.00		98.6	70-130			
Chloroethane	4.40	0.30	0.50	ug/L	5.00		88.0	70-130			
Chloroform	4.64	0.30	0.50	ug/L	5.00		92.8	70-130			
Chloromethane	4.24	0.40	0.50	ug/L	5.00		84.8	70-130			
2-Chlorotoluene	5.21	0.20	0.50	ug/L	5.00		104	70-130			
4-Chlorotoluene	5.01	0.20	0.50	ug/L	5.00		100	70-130			
Dibromochloromethane	4.80	0.30	0.50	ug/L	5.00		96.0	70-130			
1,2-Dibromo-3-chloropropane	4.88	0.50	0.50	ug/L	5.00		97.6	70-130			
1,2-Dibromoethane (EDB)	4.98	0.50	0.50	ug/L	5.00		99.6	70-130			
Dibromomethane	4.03	0.20	0.50	ug/L	5.00		80.6	70-130			
1,2-Dichlorobenzene	4.95	0.20	0.50	ug/L	5.00		99.0	70-130			
1,3-Dichlorobenzene	4.94	0.20	0.50	ug/L	5.00		98.8	70-130			
1,4-Dichlorobenzene	4.89	0.20	0.50	ug/L	5.00		97.8	70-130			
Dichlorodifluoromethane	4.52	0.50	0.50	ug/L	5.00		90.4	70-130			
1,1-Dichloroethane	4.02	0.20	0.50	ug/L	5.00		80.4	70-130			
1,2-Dichloroethane	3.96	0.10	0.50	ug/L	5.00		79.2	70-130			
1,1-Dichloroethene	3.86	0.30	0.30	ug/L	5.00		77.2	70-130			
cis-1,2-Dichloroethene	4.00	0.10	0.50	ug/L	5.00		80.0	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

LCS (AB23664-BS1)	Prepared: 02/13/22 Analyzed: 02/14/22										
trans-1,2-Dichloroethene	4.00	0.30	0.50	ug/L	5.00		80.0	70-130			
1,2-Dichloropropane	4.22	0.20	0.50	ug/L	5.00		84.4	70-130			
1,3-Dichloropropane	5.03	0.10	0.50	ug/L	5.00		101	70-130			
2,2-Dichloropropane	3.50	0.30	0.50	ug/L	5.00		70.0	70-130			
1,1-Dichloropropene	4.11	0.20	0.50	ug/L	5.00		82.2	70-130			
cis-1,3-Dichloropropene	4.29	0.30	0.50	ug/L	5.00		85.8	70-130			
trans-1,3-Dichloropropene	4.59	0.50	0.50	ug/L	5.00		91.8	70-130			
2-Hexanone	4.98	0.50	5.0	ug/L	5.00		99.6	70-130			J
Ethylbenzene	4.96	0.20	0.50	ug/L	5.00		99.2	70-130			
Hexachlorobutadiene	4.66	0.40	0.50	ug/L	5.00		93.2	70-130			
Isopropylbenzene	5.21	0.20	0.50	ug/L	5.00		104	70-130			
p-Isopropyltoluene	4.95	0.50	0.50	ug/L	5.00		99.0	70-130			
Methyl ethyl ketone	8.53	0.20	1.0	ug/L	10.0		85.3	70-130			
Methyl iodide	4.72	0.40	2.0	ug/L	5.00		94.4	70-130			
Methyl isobutyl ketone	9.14	0.90	1.0	ug/L	10.0		91.4	70-130			
Methylene chloride	4.07	0.40	0.50	ug/L	5.00		81.4	70-130			
Naphthalene	4.54	0.50	0.50	ug/L	5.00		90.8	70-130			
n-Propylbenzene	5.14	0.50	0.50	ug/L	5.00		103	70-130			
Styrene	5.34	0.50	0.50	ug/L	5.00		107	70-130			
1,1,1,2-Tetrachloroethane	4.37	0.40	0.50	ug/L	5.00		87.4	70-130			
1,1,2,2-Tetrachloroethane	4.74	0.20	0.50	ug/L	5.00		94.8	70-130			
Tetrachloroethene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130			
Toluene	5.24	0.30	0.50	ug/L	5.00		105	70-130			
1,2,3-Trichlorobenzene	4.99	0.40	0.50	ug/L	5.00		99.8	70-130			
1,2,4-Trichlorobenzene	4.79	0.40	0.50	ug/L	5.00		95.8	70-130			
1,1,1-Trichloroethane	3.88	0.40	0.50	ug/L	5.00		77.6	70-130			
1,1,2-Trichloroethane	4.92	0.20	0.50	ug/L	5.00		98.4	70-130			
Trichloroethene	4.26	0.30	0.50	ug/L	5.00		85.2	70-130			
Trichlorofluoromethane	4.48	0.50	0.50	ug/L	5.00		89.6	70-130			
Trichlorotrifluoroethane	4.83	0.40	0.50	ug/L	5.00		96.6	70-130			
1,2,3-Trichloropropane	4.77	0.50	0.50	ug/L	5.00		95.4	70-130			
1,2,4-Trimethylbenzene	5.22	0.50	0.50	ug/L	5.00		104	70-130			
1,3,5-Trimethylbenzene	4.90	0.50	0.50	ug/L	5.00		98.0	70-130			
Vinyl chloride	4.12	0.50	0.50	ug/L	5.00		82.4	70-130			
m,p-Xylene	10.3	0.20	0.50	ug/L	10.0		103	70-130			
o-Xylene	5.18	0.20	0.50	ug/L	5.00		104	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

LCS (AB23664-BS1)		Prepared: 02/13/22 Analyzed: 02/14/22									
Xylenes (total)	15.5	0.20	0.50	ug/L	15.0		103	70-130			
Methyl tert-butyl ether	4.56	0.50	3.0	ug/L	5.00		91.2	70-130			
Ethyl tert-butyl ether	5.00	0.40	0.50	ug/L	5.00		100	70-130			
Tert-amyl methyl ether	4.78	0.30	0.50	ug/L	5.00		95.6	70-130			
Surrogate: Bromofluorobenzene	28.3			ug/L	25.0		113	70-130			
Surrogate: Dibromofluoromethane	19.7			ug/L	25.0		79.0	70-130			
Surrogate: Toluene-d8	25.8			ug/L	25.0		103	70-130			

LCS Dup (AB23664-BSD1)		Prepared: 02/13/22 Analyzed: 02/14/22									
Acetone	17.2	2.0	5.0	ug/L	20.0		85.8	70-130	1.85	30	
Acrylonitrile	3.99	0.40	5.0	ug/L	5.00		79.8	70-130	2.96	30	J
Benzene	4.28	0.10	0.30	ug/L	5.00		85.6	70-130	0.466	30	
Bromobenzene	5.15	0.20	0.50	ug/L	5.00		103	70-130	2.11	30	
Bromochloromethane	3.95	0.40	0.50	ug/L	5.00		79.0	70-130	1.26	30	
Bromodichloromethane	4.49	0.20	0.50	ug/L	5.00		89.8	70-130	2.20	30	
Bromoform	4.34	0.30	0.50	ug/L	5.00		86.8	70-130	2.05	30	
Bromomethane	3.86	0.40	0.50	ug/L	5.00		77.2	70-130	4.06	30	
n-Butylbenzene	5.26	0.50	0.50	ug/L	5.00		105	70-130	4.07	30	
sec-Butylbenzene	5.29	0.20	0.50	ug/L	5.00		106	70-130	5.04	30	
tert-Butylbenzene	5.19	0.50	0.50	ug/L	5.00		104	70-130	2.73	30	
Carbon disulfide	3.76	0.40	0.50	ug/L	5.00		75.2	70-130	0.266	30	
Carbon tetrachloride	4.01	0.30	0.50	ug/L	5.00		80.2	70-130	4.07	30	
Chlorobenzene	4.80	0.20	0.50	ug/L	5.00		96.0	70-130	2.67	30	
Chloroethane	4.01	0.30	0.50	ug/L	5.00		80.2	70-130	9.27	30	
Chloroform	4.71	0.30	0.50	ug/L	5.00		94.2	70-130	1.50	30	
Chloromethane	4.82	0.40	0.50	ug/L	5.00		96.4	70-130	12.8	30	
2-Chlorotoluene	5.17	0.20	0.50	ug/L	5.00		103	70-130	0.771	30	
4-Chlorotoluene	5.08	0.20	0.50	ug/L	5.00		102	70-130	1.39	30	
Dibromochloromethane	4.55	0.30	0.50	ug/L	5.00		91.0	70-130	5.35	30	
1,2-Dibromo-3-chloropropane	4.55	0.50	0.50	ug/L	5.00		91.0	70-130	7.00	25	
1,2-Dibromoethane (EDB)	4.91	0.50	0.50	ug/L	5.00		98.2	70-130	1.42	25	
Dibromomethane	4.05	0.20	0.50	ug/L	5.00		81.0	70-130	0.495	30	
1,2-Dichlorobenzene	4.94	0.20	0.50	ug/L	5.00		98.8	70-130	0.202	30	
1,3-Dichlorobenzene	4.95	0.20	0.50	ug/L	5.00		99.0	70-130	0.202	30	
1,4-Dichlorobenzene	4.78	0.20	0.50	ug/L	5.00		95.6	70-130	2.28	30	
Dichlorodifluoromethane	4.40	0.50	0.50	ug/L	5.00		88.0	70-130	2.69	30	
1,1-Dichloroethane	4.03	0.20	0.50	ug/L	5.00		80.6	70-130	0.248	30	

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Amber VOA- HCl
 Project Number: Silicone Batch Number 2021071503

Reported:
 02/28/22 09:51

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 AB23664 - VOAs in Water GCMS

LCS Dup (AB23664-BSD1)

Prepared: 02/13/22 Analyzed: 02/14/22

1,2-Dichloroethane	4.14	0.10	0.50	ug/L	5.00		82.8	70-130	4.44	30	
1,1-Dichloroethene	3.77	0.30	0.30	ug/L	5.00		75.4	70-130	2.36	30	
cis-1,2-Dichloroethene	3.95	0.10	0.50	ug/L	5.00		79.0	70-130	1.26	30	
trans-1,2-Dichloroethene	3.83	0.30	0.50	ug/L	5.00		76.6	70-130	4.34	30	
1,2-Dichloropropane	4.24	0.20	0.50	ug/L	5.00		84.8	70-130	0.473	30	
1,3-Dichloropropane	4.89	0.10	0.50	ug/L	5.00		97.8	70-130	2.82	30	
2,2-Dichloropropane	3.58	0.30	0.50	ug/L	5.00		71.6	70-130	2.26	30	
1,1-Dichloropropene	4.13	0.20	0.50	ug/L	5.00		82.6	70-130	0.485	30	
cis-1,3-Dichloropropene	4.28	0.30	0.50	ug/L	5.00		85.6	70-130	0.233	30	
trans-1,3-Dichloropropene	4.55	0.50	0.50	ug/L	5.00		91.0	70-130	0.875	30	
Ethylbenzene	5.01	0.20	0.50	ug/L	5.00		100	70-130	1.00	30	
2-Hexanone	4.64	0.50	5.0	ug/L	5.00		92.8	70-130	7.07	25	J
Hexachlorobutadiene	5.15	0.40	0.50	ug/L	5.00		103	70-130	9.99	30	
Isopropylbenzene	5.41	0.20	0.50	ug/L	5.00		108	70-130	3.77	30	
p-Isopropyltoluene	5.22	0.50	0.50	ug/L	5.00		104	70-130	5.31	30	
Methyl ethyl ketone	8.01	0.20	1.0	ug/L	10.0		80.1	70-130	6.29	30	
Methyl iodide	4.52	0.40	2.0	ug/L	5.00		90.4	70-130	4.33	25	
Methyl isobutyl ketone	9.11	0.90	1.0	ug/L	10.0		91.1	70-130	0.329	30	
Methylene chloride	4.20	0.40	0.50	ug/L	5.00		84.0	70-130	3.14	30	
Naphthalene	4.83	0.50	0.50	ug/L	5.00		96.6	70-130	6.19	30	
n-Propylbenzene	5.36	0.50	0.50	ug/L	5.00		107	70-130	4.19	30	
Styrene	5.30	0.50	0.50	ug/L	5.00		106	70-130	0.752	30	
1,1,1,2-Tetrachloroethane	4.50	0.40	0.50	ug/L	5.00		90.0	70-130	2.93	30	
1,1,2,2-Tetrachloroethane	4.68	0.20	0.50	ug/L	5.00		93.6	70-130	1.27	30	
Tetrachloroethene	4.88	0.20	0.50	ug/L	5.00		97.6	70-130	2.28	30	
Toluene	5.07	0.30	0.50	ug/L	5.00		101	70-130	3.30	30	
1,2,3-Trichlorobenzene	5.35	0.40	0.50	ug/L	5.00		107	70-130	6.96	30	
1,2,4-Trichlorobenzene	5.03	0.40	0.50	ug/L	5.00		101	70-130	4.89	30	
1,1,1-Trichloroethane	4.04	0.40	0.50	ug/L	5.00		80.8	70-130	4.04	30	
1,1,2-Trichloroethane	4.77	0.20	0.50	ug/L	5.00		95.4	70-130	3.10	30	
Trichloroethene	4.15	0.30	0.50	ug/L	5.00		83.0	70-130	2.62	30	
Trichlorofluoromethane	4.42	0.50	0.50	ug/L	5.00		88.4	70-130	1.35	30	
Trichlorotrifluoroethane	4.63	0.40	0.50	ug/L	5.00		92.6	70-130	4.23	30	
1,2,3-Trichloropropane	4.79	0.50	0.50	ug/L	5.00		95.8	70-130	0.418	25	
1,2,4-Trimethylbenzene	5.31	0.50	0.50	ug/L	5.00		106	70-130	1.71	30	
1,3,5-Trimethylbenzene	5.13	0.50	0.50	ug/L	5.00		103	70-130	4.59	30	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

LCS Dup (AB23664-BSD1)

Prepared: 02/13/22 Analyzed: 02/14/22

Vinyl chloride	4.06	0.50	0.50	ug/L	5.00		81.2	70-130	1.47	30	
m,p-Xylene	10.3	0.20	0.50	ug/L	10.0		103	70-130	0.194	30	
o-Xylene	5.24	0.20	0.50	ug/L	5.00		105	70-130	1.15	30	
Xylenes (total)	15.6	0.20	0.50	ug/L	15.0		104	70-130	0.515	30	
Methyl tert-butyl ether	4.79	0.50	3.0	ug/L	5.00		95.8	70-130	4.92	30	
Ethyl tert-butyl ether	4.32	0.40	0.50	ug/L	5.00		86.4	70-130	14.6	30	
Tert-amyl methyl ether	4.69	0.30	0.50	ug/L	5.00		93.8	70-130	1.90	30	
Surrogate: Bromofluorobenzene	28.6			ug/L	25.0		115	70-130			
Surrogate: Dibromofluoromethane	19.7			ug/L	25.0		78.7	70-130			
Surrogate: Toluene-d8	25.4			ug/L	25.0		102	70-130			

Matrix Spike (AB23664-MS1)

Source: 22B1445-01

Prepared: 02/13/22 Analyzed: 02/14/22

Acetone	18.0	2.0	5.0	ug/L	20.0	ND	90.0	70-130			
Acrylonitrile	4.59	0.40	5.0	ug/L	5.00	ND	91.8	70-130			J
Benzene	4.89	0.10	0.30	ug/L	5.00	ND	97.8	70-130			
Bromobenzene	5.85	0.20	0.50	ug/L	5.00	ND	117	70-130			
Bromochloromethane	4.14	0.40	0.50	ug/L	5.00	ND	82.8	70-130			
Bromodichloromethane	26.8	0.20	0.50	ug/L	5.00	17.8	179	70-130			QM-05
Bromoform	6.09	0.30	0.50	ug/L	5.00	ND	122	70-130			
Bromomethane	3.88	0.40	0.50	ug/L	5.00	ND	77.6	70-130			
n-Butylbenzene	6.39	0.50	0.50	ug/L	5.00	ND	128	70-130			
sec-Butylbenzene	6.42	0.20	0.50	ug/L	5.00	ND	128	70-130			
tert-Butylbenzene	6.25	0.50	0.50	ug/L	5.00	ND	125	70-130			
Carbon disulfide	4.58	0.40	0.50	ug/L	5.00	ND	91.6	70-130			
Carbon tetrachloride	5.00	0.30	0.50	ug/L	5.00	ND	100	70-130			
Chlorobenzene	5.57	0.20	0.50	ug/L	5.00	ND	111	70-130			
Chloroethane	4.95	0.30	0.50	ug/L	5.00	ND	99.0	70-130			
Chloroform	47.7	0.30	0.50	ug/L	5.00	42.7	101	70-130			
Chloromethane	5.02	0.40	0.50	ug/L	5.00	ND	100	70-130			
2-Chlorotoluene	6.13	0.20	0.50	ug/L	5.00	ND	123	70-130			
4-Chlorotoluene	6.03	0.20	0.50	ug/L	5.00	ND	121	70-130			
Dibromochloromethane	10.2	0.30	0.50	ug/L	5.00	3.75	130	70-130			
1,2-Dibromo-3-chloropropane	5.22	0.50	0.50	ug/L	5.00	ND	104	70-130			
1,2-Dibromoethane (EDB)	5.43	0.50	0.50	ug/L	5.00	ND	109	70-130			
Dibromomethane	4.36	0.20	0.50	ug/L	5.00	ND	87.2	70-130			
1,2-Dichlorobenzene	5.59	0.20	0.50	ug/L	5.00	ND	112	70-130			
1,3-Dichlorobenzene	5.67	0.20	0.50	ug/L	5.00	ND	113	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

Matrix Spike (AB23664-MS1)	Source: 22B1445-01			Prepared: 02/13/22 Analyzed: 02/14/22							
1,4-Dichlorobenzene	5.56	0.20	0.50	ug/L	5.00	ND	111	70-130			
Dichlorodifluoromethane	5.68	0.50	0.50	ug/L	5.00	ND	114	70-130			
1,1-Dichloroethane	4.58	0.20	0.50	ug/L	5.00	ND	91.6	70-130			
1,2-Dichloroethane	4.41	0.10	0.50	ug/L	5.00	ND	88.2	70-130			
1,1-Dichloroethene	4.61	0.30	0.30	ug/L	5.00	ND	92.2	70-130			
cis-1,2-Dichloroethene	4.43	0.10	0.50	ug/L	5.00	ND	88.6	70-130			
trans-1,2-Dichloroethene	4.52	0.30	0.50	ug/L	5.00	ND	90.4	70-130			
1,2-Dichloropropane	4.77	0.20	0.50	ug/L	5.00	ND	95.4	70-130			
1,3-Dichloropropane	5.50	0.10	0.50	ug/L	5.00	ND	110	70-130			
2,2-Dichloropropane	4.82	0.30	0.50	ug/L	5.00	ND	96.4	70-130			
1,1-Dichloropropene	4.94	0.20	0.50	ug/L	5.00	ND	98.8	70-130			
cis-1,3-Dichloropropene	4.79	0.30	0.50	ug/L	5.00	ND	95.8	70-130			
trans-1,3-Dichloropropene	5.55	0.50	0.50	ug/L	5.00	ND	111	70-130			
2-Hexanone	5.27	0.50	5.0	ug/L	5.00	ND	105	70-130			
Ethylbenzene	5.83	0.20	0.50	ug/L	5.00	ND	117	70-130			
Hexachlorobutadiene	6.45	0.40	0.50	ug/L	5.00	ND	129	70-130			
Isopropylbenzene	6.41	0.20	0.50	ug/L	5.00	ND	128	70-130			
p-Isopropyltoluene	6.41	0.50	0.50	ug/L	5.00	ND	128	70-130			
Methyl ethyl ketone	9.69	0.20	1.0	ug/L	10.0	ND	96.9	70-130			
Methyl iodide	5.13	0.40	2.0	ug/L	5.00	ND	103	70-130			
Methyl isobutyl ketone	9.84	0.90	1.0	ug/L	10.0	ND	98.4	70-130			
Methylene chloride	4.11	0.40	0.50	ug/L	5.00	ND	82.2	70-130			
Naphthalene	5.12	0.50	0.50	ug/L	5.00	ND	102	70-130			
n-Propylbenzene	6.30	0.50	0.50	ug/L	5.00	ND	126	70-130			
Styrene	5.76	0.50	0.50	ug/L	5.00	ND	115	70-130			
1,1,1,2-Tetrachloroethane	5.52	0.40	0.50	ug/L	5.00	ND	110	70-130			
1,1,2,2-Tetrachloroethane	5.26	0.20	0.50	ug/L	5.00	ND	105	70-130			
Tetrachloroethene	5.83	0.20	0.50	ug/L	5.00	ND	117	70-130			
Toluene	5.95	0.30	0.50	ug/L	5.00	ND	119	70-130			
1,2,3-Trichlorobenzene	5.89	0.40	0.50	ug/L	5.00	ND	118	70-130			
1,2,4-Trichlorobenzene	5.75	0.40	0.50	ug/L	5.00	ND	115	70-130			
1,1,1-Trichloroethane	4.78	0.40	0.50	ug/L	5.00	ND	95.6	70-130			
1,1,2-Trichloroethane	5.39	0.20	0.50	ug/L	5.00	ND	108	70-130			
Trichloroethene	4.89	0.30	0.50	ug/L	5.00	ND	97.8	70-130			
Trichlorofluoromethane	5.18	0.50	0.50	ug/L	5.00	ND	104	70-130			
Trichlorotrifluoroethane	5.14	0.40	0.50	ug/L	5.00	ND	103	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- HCl
 Project Number: Silicone Batch Number 2021071503

Reported:
 02/28/22 09:51

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 AB23664 - VOAs in Water GCMS

Matrix Spike (AB23664-MS1)	Source: 22B1445-01			Prepared: 02/13/22 Analyzed: 02/14/22							
1,2,3-Trichloropropane	5.29	0.50	0.50	ug/L	5.00	ND	106	70-130			
1,2,4-Trimethylbenzene	6.29	0.50	0.50	ug/L	5.00	ND	126	70-130			
1,3,5-Trimethylbenzene	6.22	0.50	0.50	ug/L	5.00	ND	124	70-130			
Vinyl chloride	5.25	0.50	0.50	ug/L	5.00	ND	105	70-130			
m,p-Xylene	12.3	0.20	0.50	ug/L	10.0	ND	123	70-130			
o-Xylene	6.08	0.20	0.50	ug/L	5.00	ND	122	70-130			
Xylenes (total)	18.3	0.20	0.50	ug/L	15.0	ND	122	70-130			
Methyl tert-butyl ether	3.84	0.50	3.0	ug/L	5.00	ND	76.8	70-130			
Ethyl tert-butyl ether	5.30	0.40	0.50	ug/L	5.00	ND	106	70-130			
Tert-amyl methyl ether	5.04	0.30	0.50	ug/L	5.00	ND	101	70-130			
Surrogate: Bromofluorobenzene	27.8			ug/L	25.0		111	70-130			
Surrogate: Dibromofluoromethane	20.8			ug/L	25.0		83.2	70-130			
Surrogate: Toluene-d8	26.4			ug/L	25.0		106	70-130			

Matrix Spike Dup (AB23664-MSD1)	Source: 22B1445-01			Prepared: 02/13/22 Analyzed: 02/14/22							
Acetone	16.9	2.0	5.0	ug/L	20.0	ND	84.3	70-130	6.48	30	
Acrylonitrile	4.51	0.40	5.0	ug/L	5.00	ND	90.2	70-130	1.76	30	J
Benzene	5.05	0.10	0.30	ug/L	5.00	ND	101	70-130	3.22	30	
Bromobenzene	5.92	0.20	0.50	ug/L	5.00	ND	118	70-130	1.19	30	
Bromochloromethane	4.38	0.40	0.50	ug/L	5.00	ND	87.6	70-130	5.63	30	
Bromodichloromethane	27.3	0.20	0.50	ug/L	5.00	17.8	189	70-130	1.81	30	QM-05
Bromoform	6.16	0.30	0.50	ug/L	5.00	ND	123	70-130	1.14	30	
Bromomethane	3.95	0.40	0.50	ug/L	5.00	ND	79.0	70-130	1.79	30	
n-Butylbenzene	6.38	0.50	0.50	ug/L	5.00	ND	128	70-130	0.157	30	
sec-Butylbenzene	6.49	0.20	0.50	ug/L	5.00	ND	130	70-130	1.08	30	
tert-Butylbenzene	6.41	0.50	0.50	ug/L	5.00	ND	128	70-130	2.53	30	
Carbon disulfide	4.80	0.40	0.50	ug/L	5.00	ND	96.0	70-130	4.69	30	
Carbon tetrachloride	5.00	0.30	0.50	ug/L	5.00	ND	100	70-130	0.00	30	
Chlorobenzene	5.72	0.20	0.50	ug/L	5.00	ND	114	70-130	2.66	30	
Chloroethane	4.91	0.30	0.50	ug/L	5.00	ND	98.2	70-130	0.811	30	
Chloroform	48.3	0.30	0.50	ug/L	5.00	42.7	112	70-130	1.10	30	
Chloromethane	5.55	0.40	0.50	ug/L	5.00	ND	111	70-130	10.0	30	
2-Chlorotoluene	6.12	0.20	0.50	ug/L	5.00	ND	122	70-130	0.163	30	
4-Chlorotoluene	5.99	0.20	0.50	ug/L	5.00	ND	120	70-130	0.666	30	
Dibromochloromethane	10.4	0.30	0.50	ug/L	5.00	3.75	132	70-130	1.17	30	QM-05
1,2-Dibromo-3-chloropropane	5.34	0.50	0.50	ug/L	5.00	ND	107	70-130	2.27	25	
1,2-Dibromoethane (EDB)	5.62	0.50	0.50	ug/L	5.00	ND	112	70-130	3.44	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23664 - VOAs in Water GCMS

Matrix Spike Dup (AB23664-MSD1)	Source: 22B1445-01			Prepared: 02/13/22 Analyzed: 02/14/22							
Dibromomethane	4.52	0.20	0.50	ug/L	5.00	ND	90.4	70-130	3.60	30	
1,2-Dichlorobenzene	5.79	0.20	0.50	ug/L	5.00	ND	116	70-130	3.51	30	
1,3-Dichlorobenzene	5.86	0.20	0.50	ug/L	5.00	ND	117	70-130	3.30	30	
1,4-Dichlorobenzene	5.78	0.20	0.50	ug/L	5.00	ND	116	70-130	3.88	30	
Dichlorodifluoromethane	5.83	0.50	0.50	ug/L	5.00	ND	117	70-130	2.61	30	
1,1-Dichloroethane	4.67	0.20	0.50	ug/L	5.00	ND	93.4	70-130	1.95	30	
1,2-Dichloroethane	4.37	0.10	0.50	ug/L	5.00	ND	87.4	70-130	0.911	30	
1,1-Dichloroethene	4.57	0.30	0.30	ug/L	5.00	ND	91.4	70-130	0.871	30	
cis-1,2-Dichloroethene	4.59	0.10	0.50	ug/L	5.00	ND	91.8	70-130	3.55	30	
trans-1,2-Dichloroethene	4.67	0.30	0.50	ug/L	5.00	ND	93.4	70-130	3.26	30	
1,2-Dichloropropane	4.92	0.20	0.50	ug/L	5.00	ND	98.4	70-130	3.10	30	
1,3-Dichloropropane	5.50	0.10	0.50	ug/L	5.00	ND	110	70-130	0.00	30	
2,2-Dichloropropane	5.15	0.30	0.50	ug/L	5.00	ND	103	70-130	6.62	30	
1,1-Dichloropropene	5.11	0.20	0.50	ug/L	5.00	ND	102	70-130	3.38	30	
cis-1,3-Dichloropropene	5.04	0.30	0.50	ug/L	5.00	ND	101	70-130	5.09	30	
trans-1,3-Dichloropropene	5.73	0.50	0.50	ug/L	5.00	ND	115	70-130	3.19	30	
Ethylbenzene	6.05	0.20	0.50	ug/L	5.00	ND	121	70-130	3.70	30	
2-Hexanone	5.39	0.50	5.0	ug/L	5.00	ND	108	70-130	2.25	25	
Hexachlorobutadiene	6.29	0.40	0.50	ug/L	5.00	ND	126	70-130	2.51	30	
Isopropylbenzene	6.35	0.20	0.50	ug/L	5.00	ND	127	70-130	0.940	30	
p-Isopropyltoluene	6.38	0.50	0.50	ug/L	5.00	ND	128	70-130	0.469	30	
Methyl ethyl ketone	8.86	0.20	1.0	ug/L	10.0	ND	88.6	70-130	8.95	30	
Methyl iodide	5.25	0.40	2.0	ug/L	5.00	ND	105	70-130	2.31	25	
Methyl isobutyl ketone	9.95	0.90	1.0	ug/L	10.0	ND	99.5	70-130	1.11	30	
Methylene chloride	4.46	0.40	0.50	ug/L	5.00	ND	89.2	70-130	8.17	30	
Naphthalene	5.43	0.50	0.50	ug/L	5.00	ND	109	70-130	5.88	30	
n-Propylbenzene	6.37	0.50	0.50	ug/L	5.00	ND	127	70-130	1.10	30	
Styrene	5.79	0.50	0.50	ug/L	5.00	ND	116	70-130	0.519	30	
1,1,1,2-Tetrachloroethane	5.65	0.40	0.50	ug/L	5.00	ND	113	70-130	2.33	30	
1,1,2,2-Tetrachloroethane	5.30	0.20	0.50	ug/L	5.00	ND	106	70-130	0.758	30	
Tetrachloroethene	6.12	0.20	0.50	ug/L	5.00	ND	122	70-130	4.85	30	
Toluene	6.13	0.30	0.50	ug/L	5.00	ND	123	70-130	2.98	30	
1,2,3-Trichlorobenzene	6.15	0.40	0.50	ug/L	5.00	ND	123	70-130	4.32	30	
1,2,4-Trichlorobenzene	6.07	0.40	0.50	ug/L	5.00	ND	121	70-130	5.41	30	
1,1,1-Trichloroethane	4.66	0.40	0.50	ug/L	5.00	ND	93.2	70-130	2.54	30	
1,1,2-Trichloroethane	5.51	0.20	0.50	ug/L	5.00	ND	110	70-130	2.20	30	

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Amber VOA- HCl
 Project Number: Silicone Batch Number 2021071503

Reported:
 02/28/22 09:51

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 AB23664 - VOAs in Water GCMS

Matrix Spike Dup (AB23664-MSD1)

Source: 22B1445-01

Prepared: 02/13/22 Analyzed: 02/14/22

Trichloroethene	5.14	0.30	0.50	ug/L	5.00	ND	103	70-130	4.99	30	
Trichlorofluoromethane	5.08	0.50	0.50	ug/L	5.00	ND	102	70-130	1.95	30	
Trichlorotrifluoroethane	5.39	0.40	0.50	ug/L	5.00	ND	108	70-130	4.75	30	
1,2,3-Trichloropropane	5.34	0.50	0.50	ug/L	5.00	ND	107	70-130	0.941	25	
1,2,4-Trimethylbenzene	6.29	0.50	0.50	ug/L	5.00	ND	126	70-130	0.00	30	
1,3,5-Trimethylbenzene	6.05	0.50	0.50	ug/L	5.00	ND	121	70-130	2.77	30	
Vinyl chloride	5.48	0.50	0.50	ug/L	5.00	ND	110	70-130	4.29	30	
m,p-Xylene	12.3	0.20	0.50	ug/L	10.0	ND	123	70-130	0.407	30	
o-Xylene	6.22	0.20	0.50	ug/L	5.00	ND	124	70-130	2.28	30	
Xylenes (total)	18.5	0.20	0.50	ug/L	15.0	ND	124	70-130	1.03	30	
Methyl tert-butyl ether	4.08	0.50	3.0	ug/L	5.00	ND	81.6	70-130	6.06	30	
Ethyl tert-butyl ether	5.39	0.40	0.50	ug/L	5.00	ND	108	70-130	1.68	30	
Tert-amyl methyl ether	5.25	0.30	0.50	ug/L	5.00	ND	105	70-130	4.08	30	
Surrogate: Bromofluorobenzene	26.8			ug/L	25.0		107	70-130			
Surrogate: Dibromofluoromethane	20.6			ug/L	25.0		82.2	70-130			
Surrogate: Toluene-d8	25.8			ug/L	25.0		103	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- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Blank (AB23454-BLK1)

Prepared & Analyzed: 02/09/22

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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Blank (AB23454-BLK1)

Prepared & Analyzed: 02/09/22

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
Ethyl acetate	ND	0.25	2.0	ug/L							U
Ethanol	ND	20	50	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Hexachlorobutadiene	ND	0.50	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
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
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

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Blank (AB23454-BLK1)

Prepared & Analyzed: 02/09/22

Tetrahydrofuran	ND	0.40	5.0	ug/L							U
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
<i>Surrogate: Bromofluorobenzene</i>	24.0			ug/L	25.0		95.9	70-130			
<i>Surrogate: Dibromofluoromethane</i>	21.2			ug/L	25.0		84.7	70-130			
<i>Surrogate: Toluene-d8</i>	24.1			ug/L	25.0		96.5	70-130			

LCS (AB23454-BS1)

Prepared & Analyzed: 02/09/22

Acetone	79.6	3.0	5.0	ug/L	80.0		99.5	48-124			
Acetonitrile	2090	50	100	ug/L	2000		104	70-130			
Allyl chloride	21.3	0.40	10	ug/L	20.0		106	70-130			
Acrylonitrile	22.6	0.40	5.0	ug/L	20.0		113	70-130			
Benzene	20.7	0.30	0.30	ug/L	20.0		104	82-122			
Bromobenzene	21.6	0.40	0.50	ug/L	20.0		108	83-122			
Bromochloromethane	20.4	0.40	0.50	ug/L	20.0		102	83-124			
Bromodichloromethane	19.7	0.40	0.50	ug/L	20.0		98.3	86-135			
Bromoform	20.8	0.30	0.50	ug/L	20.0		104	76-144			
Bromomethane	19.4	0.40	0.50	ug/L	20.0		97.0	69-145			
n-Butylbenzene	21.8	0.40	0.50	ug/L	20.0		109	79-132			
sec-Butylbenzene	21.2	0.40	0.50	ug/L	20.0		106	86-132			
tert-Butylbenzene	21.9	0.30	0.50	ug/L	20.0		110	82-126			
Carbon disulfide	21.6	0.40	5.0	ug/L	20.0		108	70-130			
Carbon tetrachloride	19.9	0.40	0.50	ug/L	20.0		99.6	77-134			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

LCS (AB23454-BS1)

Prepared & Analyzed: 02/09/22

Chlorobenzene	19.6	0.30	0.50	ug/L	20.0		97.8	84-119			
Chloroethane	21.6	0.40	0.50	ug/L	20.0		108	68-133			
2-Chloroethylvinyl ether	39.7	0.70	1.0	ug/L	40.0		99.2	75-130			
Chloroform	20.5	0.40	0.50	ug/L	20.0		102	81-122			
Chloromethane	20.9	0.40	0.50	ug/L	20.0		104	63-129			
Chloroprene	22.1	0.40	1.0	ug/L	20.0		111	70-130			
2-Chlorotoluene	21.4	0.40	0.50	ug/L	20.0		107	79-132			
4-Chlorotoluene	21.2	0.30	0.50	ug/L	20.0		106	80-122			
Dibromochloromethane	20.9	0.40	0.50	ug/L	20.0		104	83-135			
1,2-Dibromo-3-chloropropane	21.7	0.60	2.0	ug/L	20.0		108	73-128			
1,2-Dibromoethane (EDB)	20.9	0.40	0.50	ug/L	20.0		104	80-120			
Dibromomethane	20.9	0.40	0.50	ug/L	20.0		104	82-124			
1,2-Dichlorobenzene	22.8	0.40	0.50	ug/L	20.0		114	84-121			
1,3-Dichlorobenzene	19.6	0.40	0.50	ug/L	20.0		98.0	80-120			
1,4-Dichlorobenzene	20.7	0.10	0.50	ug/L	20.0		104	84-120			
trans-1,4-Dichloro-2-butene	19.8	0.50	5.0	ug/L	20.0		98.8	70-130			
Dichlorodifluoromethane	23.4	0.40	0.50	ug/L	20.0		117	52-142			
1,1-Dichloroethane	20.8	0.30	0.50	ug/L	20.0		104	81-126			
1,2-Dichloroethane	19.1	0.40	0.50	ug/L	20.0		95.4	77-117			
1,1-Dichloroethene	19.5	0.30	0.50	ug/L	20.0		97.6	71-151			
cis-1,2-Dichloroethene	20.4	0.40	0.50	ug/L	20.0		102	84-131			
trans-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0		101	79-128			
1,2-Dichloropropane	20.8	0.40	0.50	ug/L	20.0		104	82-125			
1,3-Dichloropropane	21.2	0.40	0.50	ug/L	20.0		106	83-120			
2,2-Dichloropropane	21.3	0.50	0.50	ug/L	20.0		106	80-125			
1,1-Dichloropropene	20.7	0.40	0.50	ug/L	20.0		104	85-130			
cis-1,3-Dichloropropene	21.7	0.40	0.50	ug/L	20.0		108	83-128			
trans-1,3-Dichloropropene	19.0	0.40	0.50	ug/L	20.0		95.0	67-129			
Diethyl ether	24.4	0.20	1.0	ug/L	20.0		122	70-130			
Di-isopropyl ether	25.2	0.40	0.50	ug/L	20.0		126	83-132			
Ethylbenzene	21.6	0.40	0.50	ug/L	20.0		108	84-124			
Ethanol	1040	20	50	ug/L	980		106	50-150			
Ethyl acetate	24.0	0.25	2.0	ug/L	20.0		120	70-150			
Ethyl methacrylate	19.8	0.70	10	ug/L	20.0		98.9	70-130			
Hexachloroethane	23.8	0.40	1.0	ug/L	20.0		119	70-130			
Hexachlorobutadiene	23.1	0.50	0.50	ug/L	20.0		115	75-135			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

LCS (AB23454-BS1)		Prepared & Analyzed: 02/09/22									
Ethyl tert-butyl ether	25.4	0.40	0.50	ug/L	20.0		127	74-127			
2-Hexanone	21.6	0.50	5.0	ug/L	20.0		108	70-130			
Isobutanol	2160	40	100	ug/L	2000		108	70-130			
Isopropylbenzene	21.7	0.40	0.50	ug/L	20.0		108	75-116			
p-Isopropyltoluene	21.4	0.40	0.50	ug/L	20.0		107	78-124			
Methylene chloride	20.6	0.50	0.50	ug/L	20.0		103	72-132			
Methacrylonitrile	25.2	0.40	1.0	ug/L	20.0		126	70-130			
Methyl ethyl ketone	44.6	0.70	1.0	ug/L	40.0		112	58-157			
Methyl iodide	23.2	0.40	2.0	ug/L	20.0		116	56-167			
Methyl methacrylate	24.2	0.40	1.0	ug/L	20.0		121	70-130			
Methyl isobutyl ketone	42.5	0.60	1.0	ug/L	40.0		106	70-130			
Methyl tert-butyl ether	23.8	0.50	0.50	ug/L	20.0		119	84-119			
Naphthalene	21.2	0.50	0.50	ug/L	20.0		106	84-134			
Propionitrile	1140	20	50	ug/L	1000		114	70-130			
n-Propylbenzene	22.4	0.40	0.50	ug/L	20.0		112	75-127			
Styrene	22.6	0.40	0.50	ug/L	20.0		113	80-125			
Tert-amyl methyl ether	21.3	0.40	0.50	ug/L	20.0		106	74-120			
Tert-butyl alcohol	454	6.0	10	ug/L	400		113	66-147			
1,1,1,2-Tetrachloroethane	21.3	0.40	0.50	ug/L	20.0		106	80-132			
1,1,2,2-Tetrachloroethane	20.7	0.30	0.50	ug/L	20.0		104	84-115			
Tetrachloroethene	19.6	0.40	0.50	ug/L	20.0		97.8	56-156			
Tetrahydrofuran	23.6	0.40	5.0	ug/L	20.0		118	70-130			
Toluene	21.3	0.30	0.30	ug/L	20.0		106	76-137			
1,2,4-Trichlorobenzene	25.7	0.50	0.50	ug/L	20.0		129	84-126			QL-03
1,2,3-Trichlorobenzene	21.3	0.50	0.50	ug/L	20.0		106	85-133			
1,1,1-Trichloroethane	21.0	0.40	0.50	ug/L	20.0		105	70-130			
1,1,2-Trichloroethane	20.6	0.40	0.50	ug/L	20.0		103	83-122			
Trichloroethene	20.2	0.40	0.50	ug/L	20.0		101	84-123			
Trichlorofluoromethane	23.3	0.20	0.50	ug/L	20.0		117	74-130			
1,2,3-Trichloropropane	20.8	0.40	0.50	ug/L	20.0		104	78-122			
Trichlorotrifluoroethane	23.4	0.20	0.50	ug/L	20.0		117	82-125			
1,2,4-Trimethylbenzene	22.7	0.40	0.50	ug/L	20.0		114	85-127			
1,3,5-Trimethylbenzene	19.9	0.30	0.50	ug/L	20.0		99.4	80-125			
Vinyl acetate	49.8	0.80	1.0	ug/L	40.0		124	60-140			
Vinyl chloride	17.9	0.40	0.50	ug/L	20.0		89.3	70-130			
m,p-Xylene	42.7	0.50	0.50	ug/L	40.0		107	81-124			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

LCS (AB23454-BS1)		Prepared & Analyzed: 02/09/22									
o-Xylene	21.4	0.40	0.50	ug/L	20.0	107	80-126				
Xylenes (total)	64.1	0.50	0.50	ug/L	60.0	107	81-126				
Surrogate: Bromofluorobenzene	24.8			ug/L	25.0	99.1	70-130				
Surrogate: Dibromofluoromethane	22.4			ug/L	25.0	89.8	70-130				
Surrogate: Toluene-d8	24.0			ug/L	25.0	95.9	70-130				

LCS Dup (AB23454-BSD1)		Prepared & Analyzed: 02/09/22									
Acetone	80.4	3.0	5.0	ug/L	80.0	100	48-124	0.963	25		
Acetonitrile	2210	50	100	ug/L	2000	110	70-130	5.56	25		
Acrylonitrile	22.9	0.40	5.0	ug/L	20.0	114	70-130	1.36	25		
Allyl chloride	21.2	0.40	10	ug/L	20.0	106	70-130	0.141	25		
Benzene	20.5	0.30	0.30	ug/L	20.0	103	82-122	0.921	25		
Bromobenzene	22.5	0.40	0.50	ug/L	20.0	113	83-122	4.13	25		
Bromochloromethane	21.9	0.40	0.50	ug/L	20.0	110	83-124	7.18	25		
Bromodichloromethane	19.8	0.40	0.50	ug/L	20.0	99.2	86-135	0.911	25		
Bromoform	21.5	0.30	0.50	ug/L	20.0	108	76-144	3.35	25		
Bromomethane	19.8	0.40	0.50	ug/L	20.0	99.0	69-145	1.99	25		
n-Butylbenzene	21.0	0.40	0.50	ug/L	20.0	105	79-132	3.70	25		
sec-Butylbenzene	22.1	0.40	0.50	ug/L	20.0	110	86-132	3.98	25		
tert-Butylbenzene	22.9	0.30	0.50	ug/L	20.0	115	82-126	4.59	25		
Carbon disulfide	22.1	0.40	5.0	ug/L	20.0	110	70-130	2.06	30		
Carbon tetrachloride	20.4	0.40	0.50	ug/L	20.0	102	77-134	2.38	25		
Chlorobenzene	19.6	0.30	0.50	ug/L	20.0	98.0	84-119	0.153	25		
Chloroethane	21.8	0.40	0.50	ug/L	20.0	109	68-133	1.29	25		
2-Chloroethylvinyl ether	39.8	0.70	1.0	ug/L	40.0	99.4	75-130	0.277	30		
Chloroform	20.7	0.40	0.50	ug/L	20.0	103	81-122	0.826	25		
Chloroprene	22.9	0.40	1.0	ug/L	20.0	115	70-130	3.46	25		
Chloromethane	20.3	0.40	0.50	ug/L	20.0	101	63-129	3.01	25		
2-Chlorotoluene	21.9	0.40	0.50	ug/L	20.0	110	79-132	2.35	25		
4-Chlorotoluene	22.3	0.30	0.50	ug/L	20.0	112	80-122	4.87	25		
Dibromochloromethane	21.2	0.40	0.50	ug/L	20.0	106	83-135	1.47	25		
1,2-Dibromo-3-chloropropane	21.5	0.60	2.0	ug/L	20.0	107	73-128	0.788	25		
1,2-Dibromoethane (EDB)	21.6	0.40	0.50	ug/L	20.0	108	80-120	3.34	25		
Dibromomethane	20.8	0.40	0.50	ug/L	20.0	104	82-124	0.672	25		
1,2-Dichlorobenzene	21.6	0.40	0.50	ug/L	20.0	108	84-121	5.22	25		
1,3-Dichlorobenzene	21.0	0.40	0.50	ug/L	20.0	105	80-120	6.89	25		
1,4-Dichlorobenzene	18.7	0.10	0.50	ug/L	20.0	93.6	84-120	9.99	25		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

LCS Dup (AB23454-BSD1)

Prepared & Analyzed: 02/09/22

trans-1,4-Dichloro-2-butene	20.0	0.50	5.0	ug/L	20.0	100	70-130	1.11	25	
Dichlorodifluoromethane	23.5	0.40	0.50	ug/L	20.0	118	52-142	0.768	25	
1,1-Dichloroethane	21.1	0.30	0.50	ug/L	20.0	106	81-126	1.48	25	
1,2-Dichloroethane	19.2	0.40	0.50	ug/L	20.0	96.0	77-117	0.575	25	
1,1-Dichloroethene	20.0	0.30	0.50	ug/L	20.0	99.8	71-151	2.13	25	
cis-1,2-Dichloroethene	20.7	0.40	0.50	ug/L	20.0	104	84-131	1.56	25	
trans-1,2-Dichloroethene	20.1	0.40	0.50	ug/L	20.0	100	79-128	0.842	25	
1,2-Dichloropropane	20.4	0.40	0.50	ug/L	20.0	102	82-125	1.99	25	
1,3-Dichloropropane	21.0	0.40	0.50	ug/L	20.0	105	83-120	1.23	25	
2,2-Dichloropropane	22.1	0.50	0.50	ug/L	20.0	111	80-125	3.91	25	
1,1-Dichloropropene	20.5	0.40	0.50	ug/L	20.0	102	85-130	0.971	25	
cis-1,3-Dichloropropene	22.2	0.40	0.50	ug/L	20.0	111	83-128	2.51	25	
trans-1,3-Dichloropropene	20.1	0.40	0.50	ug/L	20.0	101	67-129	5.88	25	
Diethyl ether	25.3	0.20	1.0	ug/L	20.0	127	70-130	3.90	25	
Di-isopropyl ether	25.4	0.40	0.50	ug/L	20.0	127	83-132	0.750	25	
Ethyl acetate	24.7	0.25	2.0	ug/L	20.0	123	70-150	2.88	25	
Ethyl methacrylate	20.7	0.70	10	ug/L	20.0	103	70-130	4.40	25	
Ethylbenzene	21.9	0.40	0.50	ug/L	20.0	110	84-124	1.70	25	
Ethanol	1220	20	50	ug/L	980	124	50-150	15.6	25	
Ethyl tert-butyl ether	25.0	0.40	0.50	ug/L	20.0	125	74-127	1.83	25	
Hexachlorobutadiene	23.2	0.50	0.50	ug/L	20.0	116	75-135	0.303	25	
Hexachloroethane	23.4	0.40	1.0	ug/L	20.0	117	70-130	1.87	25	
2-Hexanone	21.8	0.50	5.0	ug/L	20.0	109	70-130	1.06	30	
Isobutanol	2300	40	100	ug/L	2000	115	70-130	6.31	25	
Isopropylbenzene	22.2	0.40	0.50	ug/L	20.0	111	75-116	2.69	25	
p-Isopropyltoluene	22.1	0.40	0.50	ug/L	20.0	110	78-124	2.99	25	
Methylene chloride	21.1	0.50	0.50	ug/L	20.0	105	72-132	2.45	25	
Methacrylonitrile	25.6	0.40	1.0	ug/L	20.0	128	70-130	1.46	25	
Methyl ethyl ketone	42.3	0.70	1.0	ug/L	40.0	106	58-157	5.48	25	
Methyl iodide	23.4	0.40	2.0	ug/L	20.0	117	56-167	0.901	30	
Methyl isobutyl ketone	42.8	0.60	1.0	ug/L	40.0	107	70-130	0.657	25	
Methyl methacrylate	24.3	0.40	1.0	ug/L	20.0	122	70-130	0.578	25	
Propionitrile	1170	20	50	ug/L	1000	117	70-130	2.81	25	
Methyl tert-butyl ether	25.5	0.50	0.50	ug/L	20.0	128	84-119	6.84	25	QL-03
Naphthalene	25.6	0.50	0.50	ug/L	20.0	128	84-134	19.1	25	
n-Propylbenzene	23.2	0.40	0.50	ug/L	20.0	116	75-127	3.60	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

LCS Dup (AB23454-BSD1)

Prepared & Analyzed: 02/09/22

Styrene	23.1	0.40	0.50	ug/L	20.0	116	80-125	2.36	25	
Tert-amyl methyl ether	22.6	0.40	0.50	ug/L	20.0	113	74-120	6.19	25	
Tert-butyl alcohol	503	6.0	10	ug/L	400	126	66-147	10.2	25	
1,1,1,2-Tetrachloroethane	22.0	0.40	0.50	ug/L	20.0	110	80-132	3.60	25	
1,1,2,2-Tetrachloroethane	21.1	0.30	0.50	ug/L	20.0	106	84-115	1.77	25	
Tetrachloroethene	20.6	0.40	0.50	ug/L	20.0	103	56-156	5.23	25	
Tetrahydrofuran	21.2	0.40	5.0	ug/L	20.0	106	70-130	10.5	25	
Toluene	21.5	0.30	0.30	ug/L	20.0	108	76-137	1.31	25	
1,2,4-Trichlorobenzene	25.9	0.50	0.50	ug/L	20.0	130	84-126	0.658	25	QL-03
1,2,3-Trichlorobenzene	25.0	0.50	0.50	ug/L	20.0	125	85-133	16.2	25	
1,1,1-Trichloroethane	21.4	0.40	0.50	ug/L	20.0	107	70-130	1.56	25	
1,1,2-Trichloroethane	20.2	0.40	0.50	ug/L	20.0	101	83-122	1.86	25	
Trichloroethene	19.9	0.40	0.50	ug/L	20.0	99.6	84-123	1.64	25	
Trichlorofluoromethane	23.1	0.20	0.50	ug/L	20.0	116	74-130	0.818	25	
1,2,3-Trichloropropane	20.9	0.40	0.50	ug/L	20.0	104	78-122	0.240	25	
Trichlorotrifluoroethane	23.6	0.20	0.50	ug/L	20.0	118	82-125	1.02	25	
1,2,4-Trimethylbenzene	23.9	0.40	0.50	ug/L	20.0	119	85-127	5.02	25	
1,3,5-Trimethylbenzene	20.3	0.30	0.50	ug/L	20.0	102	80-125	2.14	25	
Vinyl acetate	50.7	0.80	1.0	ug/L	40.0	127	60-140	1.71	25	
Vinyl chloride	17.9	0.40	0.50	ug/L	20.0	89.6	70-130	0.280	25	
m,p-Xylene	43.6	0.50	0.50	ug/L	40.0	109	81-124	2.04	25	
o-Xylene	22.0	0.40	0.50	ug/L	20.0	110	80-126	3.04	25	
Xylenes (total)	65.6	0.50	0.50	ug/L	60.0	109	81-126	2.37	25	
Surrogate: Bromofluorobenzene	25.7			ug/L	25.0	103	70-130			
Surrogate: Dibromofluoromethane	22.1			ug/L	25.0	88.5	70-130			
Surrogate: Toluene-d8	24.8			ug/L	25.0	99.4	70-130			

Matrix Spike (AB23454-MS1)

Source: 22B0734-01

Prepared: 02/09/22 Analyzed: 02/10/22

QM-05

Acetone	92.3	3.0	5.0	ug/L	80.0	ND	115	32-164		
Acetonitrile	3050	50	100	ug/L	2000	ND	153	70-130		
Allyl chloride	25.2	0.40	10	ug/L	20.0	ND	126	70-130		
Acrylonitrile	27.6	0.40	5.0	ug/L	20.0	ND	138	70-130		
Benzene	23.6	0.30	0.30	ug/L	20.0	ND	118	58-139		
Bromobenzene	22.2	0.40	0.50	ug/L	20.0	ND	111	63-143		
Bromochloromethane	24.3	0.40	0.50	ug/L	20.0	ND	122	60-141		
Bromodichloromethane	22.0	0.40	0.50	ug/L	20.0	ND	110	62-140		
Bromoform	22.1	0.30	0.50	ug/L	20.0	ND	111	47-165		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Matrix Spike (AB23454-MS1)	Source: 22B0734-01		Prepared: 02/09/22		Analyzed: 02/10/22		QM-05				
Bromomethane	25.4	0.40	0.50	ug/L	20.0	ND	127	30-163			
n-Butylbenzene	22.4	0.40	0.50	ug/L	20.0	ND	112	57-147			
sec-Butylbenzene	22.2	0.40	0.50	ug/L	20.0	ND	111	64-155			
tert-Butylbenzene	22.8	0.30	0.50	ug/L	20.0	ND	114	57-150			
Carbon disulfide	28.2	0.40	5.0	ug/L	20.0	ND	141	70-130			
Carbon tetrachloride	24.2	0.40	0.50	ug/L	20.0	ND	121	65-153			
Chlorobenzene	20.4	0.30	0.50	ug/L	20.0	ND	102	58-137			
Chloroethane	29.0	0.40	0.50	ug/L	20.0	ND	145	59-141			
2-Chloroethylvinyl ether	42.7	0.70	1.0	ug/L	40.0	ND	107	73-107			
Chloroform	24.9	0.40	0.50	ug/L	20.0	ND	124	36-151			
Chloroprene	28.7	0.40	1.0	ug/L	20.0	ND	144	70-130			
Chloromethane	22.8	0.40	0.50	ug/L	20.0	ND	114	69-149			
2-Chlorotoluene	22.0	0.40	0.50	ug/L	20.0	ND	110	54-150			
4-Chlorotoluene	21.8	0.30	0.50	ug/L	20.0	ND	109	59-140			
Dibromochloromethane	22.5	0.40	0.50	ug/L	20.0	ND	112	54-157			
1,2-Dibromo-3-chloropropane	23.9	0.60	2.0	ug/L	20.0	ND	119	54-137			
1,2-Dibromoethane (EDB)	21.9	0.40	0.50	ug/L	20.0	ND	110	40-147			
Dibromomethane	22.4	0.40	0.50	ug/L	20.0	ND	112	59-139			
1,2-Dichlorobenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	39-145			
1,3-Dichlorobenzene	20.2	0.40	0.50	ug/L	20.0	ND	101	54-137			
1,4-Dichlorobenzene	20.6	0.10	0.50	ug/L	20.0	ND	103	41-142			
trans-1,4-Dichloro-2-butene	21.6	0.50	5.0	ug/L	20.0	ND	108	70-130			
Dichlorodifluoromethane	32.8	0.40	0.50	ug/L	20.0	ND	164	39-162			
1,1-Dichloroethane	25.8	0.30	0.50	ug/L	20.0	ND	129	39-146			
1,2-Dichloroethane	22.4	0.40	0.50	ug/L	20.0	ND	112	58-133			
1,1-Dichloroethene	27.1	0.30	0.50	ug/L	20.0	0.460	133	70-154			
cis-1,2-Dichloroethene	25.2	0.40	0.50	ug/L	20.0	0.580	123	66-141			
trans-1,2-Dichloroethene	25.4	0.40	0.50	ug/L	20.0	ND	127	59-151			
1,2-Dichloropropane	22.4	0.40	0.50	ug/L	20.0	ND	112	41-142			
1,3-Dichloropropane	22.2	0.40	0.50	ug/L	20.0	ND	111	62-139			
2,2-Dichloropropane	25.6	0.50	0.50	ug/L	20.0	ND	128	40-167			
1,1-Dichloropropene	24.4	0.40	0.50	ug/L	20.0	ND	122	58-148			
cis-1,3-Dichloropropene	24.8	0.40	0.50	ug/L	20.0	ND	124	50-140			
trans-1,3-Dichloropropene	20.8	0.40	0.50	ug/L	20.0	ND	104	40-144			
Diethyl ether	31.3	0.20	1.0	ug/L	20.0	ND	156	70-130			
Di-isopropyl ether	29.7	0.40	0.50	ug/L	20.0	ND	149	49-143			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Matrix Spike (AB23454-MS1)	Source: 22B0734-01			Prepared: 02/09/22		Analyzed: 02/10/22		QM-05
Ethyl methacrylate	20.6	0.70	10	ug/L	20.0	ND	103	70-130
Ethylbenzene	22.9	0.40	0.50	ug/L	20.0	ND	115	59-147
Ethyl acetate	25.6	0.25	2.0	ug/L	20.0	ND	128	70-150
Ethanol	1380	20	50	ug/L	980	ND	141	50-150
Ethyl tert-butyl ether	31.0	0.40	0.50	ug/L	20.0	ND	155	44-143
Hexachlorobutadiene	25.3	0.50	0.50	ug/L	20.0	ND	126	56-149
Hexachloroethane	26.2	0.40	1.0	ug/L	20.0	ND	131	70-130
2-Hexanone	22.2	0.50	5.0	ug/L	20.0	ND	111	70-130
Isopropylbenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	56-134
Isobutanol	2420	40	100	ug/L	2000	ND	121	70-130
p-Isopropyltoluene	22.1	0.40	0.50	ug/L	20.0	ND	111	54-148
Methylene chloride	25.2	0.50	0.50	ug/L	20.0	ND	126	43-143
Methacrylonitrile	30.2	0.40	1.0	ug/L	20.0	ND	151	70-130
Methyl ethyl ketone	53.3	0.70	1.0	ug/L	40.0	ND	133	62-126
Methyl iodide	29.9	0.40	2.0	ug/L	20.0	ND	149	70-130
Methyl isobutyl ketone	48.5	0.60	1.0	ug/L	40.0	ND	121	66-127
Methyl methacrylate	25.6	0.40	1.0	ug/L	20.0	ND	128	70-130
Methyl tert-butyl ether	25.7	0.50	0.50	ug/L	20.0	ND	128	55-144
Naphthalene	22.3	0.50	0.50	ug/L	20.0	ND	112	52-157
Propionitrile	1370	20	50	ug/L	1000	ND	137	70-130
n-Propylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	55-145
Styrene	23.4	0.40	0.50	ug/L	20.0	ND	117	51-157
Tert-amyl methyl ether	24.1	0.40	0.50	ug/L	20.0	ND	120	41-136
Tert-butyl alcohol	619	6.0	10	ug/L	400	ND	155	38-175
1,1,1,2-Tetrachloroethane	21.9	0.40	0.50	ug/L	20.0	ND	109	58-146
1,1,2,2-Tetrachloroethane	21.2	0.30	0.50	ug/L	20.0	ND	106	73-127
Tetrachloroethene	23.1	0.40	0.50	ug/L	20.0	1.67	107	49-148
Tetrahydrofuran	26.0	0.40	5.0	ug/L	20.0	ND	130	70-130
Toluene	22.9	0.30	0.30	ug/L	20.0	ND	115	59-147
1,2,3-Trichlorobenzene	20.5	0.50	0.50	ug/L	20.0	ND	102	50-161
1,2,4-Trichlorobenzene	29.7	0.50	0.50	ug/L	20.0	ND	148	50-150
1,1,1-Trichloroethane	25.6	0.40	0.50	ug/L	20.0	ND	128	38-164
1,1,2-Trichloroethane	21.7	0.40	0.50	ug/L	20.0	ND	109	46-136
Trichloroethene	48.1	0.40	0.50	ug/L	20.0	24.4	119	58-140
Trichlorofluoromethane	31.2	0.20	0.50	ug/L	20.0	ND	156	56-144
1,2,3-Trichloropropane	20.8	0.40	0.50	ug/L	20.0	ND	104	61-139

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Matrix Spike (AB23454-MS1)	Source: 22B0734-01			Prepared: 02/09/22 Analyzed: 02/10/22		QM-05				
Trichlorotrifluoroethane	31.1	0.20	0.50	ug/L	20.0	ND	156	59-139		
1,2,4-Trimethylbenzene	23.6	0.40	0.50	ug/L	20.0	ND	118	58-152		
1,3,5-Trimethylbenzene	20.3	0.30	0.50	ug/L	20.0	ND	101	58-148		
Vinyl acetate	49.9	0.80	1.0	ug/L	40.0	ND	125	70-130		
Vinyl chloride	23.3	0.40	0.50	ug/L	20.0	ND	116	53-160		
m,p-Xylene	45.2	0.50	0.50	ug/L	40.0	ND	113	53-147		
o-Xylene	22.3	0.40	0.50	ug/L	20.0	ND	112	55-148		
Xylenes (total)	67.5	0.50	0.50	ug/L	60.0	ND	113	49-153		
Surrogate: Bromofluorobenzene	25.1			ug/L	25.0		100	70-130		
Surrogate: Dibromofluoromethane	23.9			ug/L	25.0		95.6	70-130		
Surrogate: Toluene-d8	23.7			ug/L	25.0		94.7	70-130		

Matrix Spike Dup (AB23454-MSD1)	Source: 22B0734-01			Prepared: 02/09/22 Analyzed: 02/10/22		QM-05				
Acetone	86.5	3.0	5.0	ug/L	80.0	ND	108	32-164	6.51	25
Acetonitrile	2950	50	100	ug/L	2000	ND	147	70-130	3.54	25
Acrylonitrile	25.4	0.40	5.0	ug/L	20.0	ND	127	70-130	8.53	25
Allyl chloride	24.9	0.40	10	ug/L	20.0	ND	124	70-130	1.32	25
Benzene	23.2	0.30	0.30	ug/L	20.0	ND	116	58-139	1.62	25
Bromobenzene	22.0	0.40	0.50	ug/L	20.0	ND	110	63-143	0.950	25
Bromochloromethane	23.9	0.40	0.50	ug/L	20.0	ND	120	60-141	1.78	25
Bromodichloromethane	21.7	0.40	0.50	ug/L	20.0	ND	109	62-140	1.14	25
Bromoform	22.2	0.30	0.50	ug/L	20.0	ND	111	47-165	0.135	25
Bromomethane	24.5	0.40	0.50	ug/L	20.0	ND	122	30-163	3.73	25
n-Butylbenzene	22.5	0.40	0.50	ug/L	20.0	ND	112	57-147	0.535	25
sec-Butylbenzene	23.0	0.40	0.50	ug/L	20.0	ND	115	64-155	3.40	25
tert-Butylbenzene	23.5	0.30	0.50	ug/L	20.0	ND	117	57-150	2.94	25
Carbon disulfide	27.9	0.40	5.0	ug/L	20.0	ND	139	70-130	1.21	30
Carbon tetrachloride	24.3	0.40	0.50	ug/L	20.0	ND	121	65-153	0.330	25
Chlorobenzene	20.6	0.30	0.50	ug/L	20.0	ND	103	58-137	1.07	25
Chloroethane	27.4	0.40	0.50	ug/L	20.0	ND	137	59-141	5.61	25
2-Chloroethylvinyl ether	40.4	0.70	1.0	ug/L	40.0	ND	101	73-107	5.39	30
Chloroform	24.1	0.40	0.50	ug/L	20.0	ND	120	36-151	3.23	25
Chloromethane	21.6	0.40	0.50	ug/L	20.0	ND	108	69-149	5.81	25
Chloroprene	28.5	0.40	1.0	ug/L	20.0	ND	143	70-130	0.664	25
2-Chlorotoluene	22.4	0.40	0.50	ug/L	20.0	ND	112	54-150	1.84	25
4-Chlorotoluene	22.3	0.30	0.50	ug/L	20.0	ND	111	59-140	2.22	25
Dibromochloromethane	22.7	0.40	0.50	ug/L	20.0	ND	114	54-157	1.15	25

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Matrix Spike Dup (AB23454-MSD1)	Source: 22B0734-01			Prepared: 02/09/22		Analyzed: 02/10/22		QM-05			
1,2-Dibromo-3-chloropropane	25.7	0.60	2.0	ug/L	20.0	ND	129	54-137	7.46	25	
1,2-Dibromoethane (EDB)	22.6	0.40	0.50	ug/L	20.0	ND	113	40-147	2.83	25	
Dibromomethane	22.0	0.40	0.50	ug/L	20.0	ND	110	59-139	1.53	25	
1,2-Dichlorobenzene	22.6	0.40	0.50	ug/L	20.0	ND	113	39-145	2.31	25	
1,3-Dichlorobenzene	21.2	0.40	0.50	ug/L	20.0	ND	106	54-137	4.97	25	
1,4-Dichlorobenzene	19.8	0.10	0.50	ug/L	20.0	ND	99.0	41-142	4.15	25	
trans-1,4-Dichloro-2-butene	21.6	0.50	5.0	ug/L	20.0	ND	108	70-130	0.00	25	
Dichlorodifluoromethane	31.4	0.40	0.50	ug/L	20.0	ND	157	39-162	4.05	25	
1,1-Dichloroethane	25.7	0.30	0.50	ug/L	20.0	ND	129	39-146	0.426	25	
1,2-Dichloroethane	21.7	0.40	0.50	ug/L	20.0	ND	108	58-133	3.04	25	
1,1-Dichloroethene	26.4	0.30	0.50	ug/L	20.0	0.460	130	70-154	2.92	25	
cis-1,2-Dichloroethene	25.5	0.40	0.50	ug/L	20.0	0.580	125	66-141	1.10	25	
trans-1,2-Dichloroethene	25.4	0.40	0.50	ug/L	20.0	ND	127	59-151	0.0394	25	
1,2-Dichloropropane	22.3	0.40	0.50	ug/L	20.0	ND	112	41-142	0.224	25	
1,3-Dichloropropane	22.5	0.40	0.50	ug/L	20.0	ND	112	62-139	1.16	25	
2,2-Dichloropropane	26.4	0.50	0.50	ug/L	20.0	ND	132	40-167	3.00	25	
1,1-Dichloropropene	24.5	0.40	0.50	ug/L	20.0	ND	123	58-148	0.327	25	
cis-1,3-Dichloropropene	24.1	0.40	0.50	ug/L	20.0	ND	121	50-140	2.74	25	
trans-1,3-Dichloropropene	21.8	0.40	0.50	ug/L	20.0	ND	109	40-144	4.93	25	
Diethyl ether	30.6	0.20	1.0	ug/L	20.0	ND	153	70-130	2.07	25	
Di-isopropyl ether	28.1	0.40	0.50	ug/L	20.0	ND	141	49-143	5.50	25	
Ethyl acetate	24.6	0.25	2.0	ug/L	20.0	ND	123	70-150	4.18	25	
Ethylbenzene	23.3	0.40	0.50	ug/L	20.0	ND	116	59-147	1.60	25	
Ethyl methacrylate	20.1	0.70	10	ug/L	20.0	ND	101	70-130	2.26	25	
Ethanol	1500	20	50	ug/L	980	ND	153	50-150	8.32	25	
Ethyl tert-butyl ether	30.2	0.40	0.50	ug/L	20.0	ND	151	44-143	2.55	25	
Hexachloroethane	26.3	0.40	1.0	ug/L	20.0	ND	132	70-130	0.342	25	
Hexachlorobutadiene	27.8	0.50	0.50	ug/L	20.0	ND	139	56-149	9.46	25	
2-Hexanone	22.7	0.50	5.0	ug/L	20.0	ND	113	70-130	2.00	30	
Isobutanol	2560	40	100	ug/L	2000	ND	128	70-130	5.74	25	
Isopropylbenzene	23.1	0.40	0.50	ug/L	20.0	ND	116	56-134	1.53	25	
p-Isopropyltoluene	22.7	0.40	0.50	ug/L	20.0	ND	114	54-148	2.63	25	
Methylene chloride	24.8	0.50	0.50	ug/L	20.0	ND	124	43-143	1.72	25	
Methacrylonitrile	28.6	0.40	1.0	ug/L	20.0	ND	143	70-130	5.38	25	
Methyl ethyl ketone	55.8	0.70	1.0	ug/L	40.0	ND	140	62-126	4.69	25	
Methyl iodide	29.7	0.40	2.0	ug/L	20.0	ND	149	70-130	0.436	30	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Amber VOA- HCl Project Number: Silicone Batch Number 2021071503	Reported: 02/28/22 09:51
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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 AB23454 - VOAs in Water GCMS

Matrix Spike Dup (AB23454-MSD1)	Source: 22B0734-01		Prepared: 02/09/22		Analyzed: 02/10/22		QM-05				
Methyl methacrylate	26.0	0.40	1.0	ug/L	20.0	ND	130	70-130	1.47	25	
Methyl isobutyl ketone	46.3	0.60	1.0	ug/L	40.0	ND	116	66-127	4.60	25	
Propionitrile	1360	20	50	ug/L	1000	ND	136	70-130	0.0256	25	
Naphthalene	32.9	0.50	0.50	ug/L	20.0	ND	165	52-157	38.3	25	
Methyl tert-butyl ether	27.1	0.50	0.50	ug/L	20.0	ND	136	55-144	5.45	25	
n-Propylbenzene	23.6	0.40	0.50	ug/L	20.0	ND	118	55-145	1.75	25	
Styrene	23.4	0.40	0.50	ug/L	20.0	ND	117	51-157	0.0855	25	
Tert-amyl methyl ether	24.3	0.40	0.50	ug/L	20.0	ND	121	41-136	0.786	25	
Tert-butyl alcohol	644	6.0	10	ug/L	400	ND	161	38-175	4.03	25	
1,1,1,2-Tetrachloroethane	23.5	0.40	0.50	ug/L	20.0	ND	118	58-146	7.36	25	
1,1,2,2-Tetrachloroethane	22.5	0.30	0.50	ug/L	20.0	ND	112	73-127	5.63	25	
Tetrachloroethene	23.5	0.40	0.50	ug/L	20.0	1.67	109	49-148	1.97	25	
Tetrahydrofuran	23.2	0.40	5.0	ug/L	20.0	ND	116	70-130	11.2	25	
Toluene	23.3	0.30	0.30	ug/L	20.0	ND	117	59-147	1.77	25	
1,2,4-Trichlorobenzene	34.7	0.50	0.50	ug/L	20.0	ND	174	50-150	15.7	25	
1,2,3-Trichlorobenzene	35.1	0.50	0.50	ug/L	20.0	ND	176	50-161	52.5	25	
1,1,1-Trichloroethane	25.6	0.40	0.50	ug/L	20.0	ND	128	38-164	0.00	25	
1,1,2-Trichloroethane	22.1	0.40	0.50	ug/L	20.0	ND	111	46-136	1.82	25	
Trichloroethene	48.4	0.40	0.50	ug/L	20.0	24.4	120	58-140	0.560	25	
Trichlorofluoromethane	30.9	0.20	0.50	ug/L	20.0	ND	155	56-144	0.901	25	
1,2,3-Trichloropropane	21.4	0.40	0.50	ug/L	20.0	ND	107	61-139	2.70	25	
Trichlorotrifluoroethane	30.3	0.20	0.50	ug/L	20.0	ND	152	59-139	2.51	25	
1,2,4-Trimethylbenzene	24.2	0.40	0.50	ug/L	20.0	ND	121	58-152	2.34	25	
1,3,5-Trimethylbenzene	21.0	0.30	0.50	ug/L	20.0	ND	105	58-148	3.30	25	
Vinyl acetate	47.4	0.80	1.0	ug/L	40.0	ND	119	70-130	5.16	25	
Vinyl chloride	22.1	0.40	0.50	ug/L	20.0	ND	110	53-160	5.42	25	
m,p-Xylene	45.2	0.50	0.50	ug/L	40.0	ND	113	53-147	0.0664	25	
o-Xylene	22.4	0.40	0.50	ug/L	20.0	ND	112	55-148	0.447	25	
Xylenes (total)	67.6	0.50	0.50	ug/L	60.0	ND	113	49-153	0.192	25	
Surrogate: Bromofluorobenzene	24.4			ug/L	25.0		97.5	70-130			
Surrogate: Dibromofluoromethane	23.8			ug/L	25.0		95.3	70-130			
Surrogate: Toluene-d8	24.8			ug/L	25.0		99.0	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- HCl
Project Number: Silicone Batch Number 2021071503

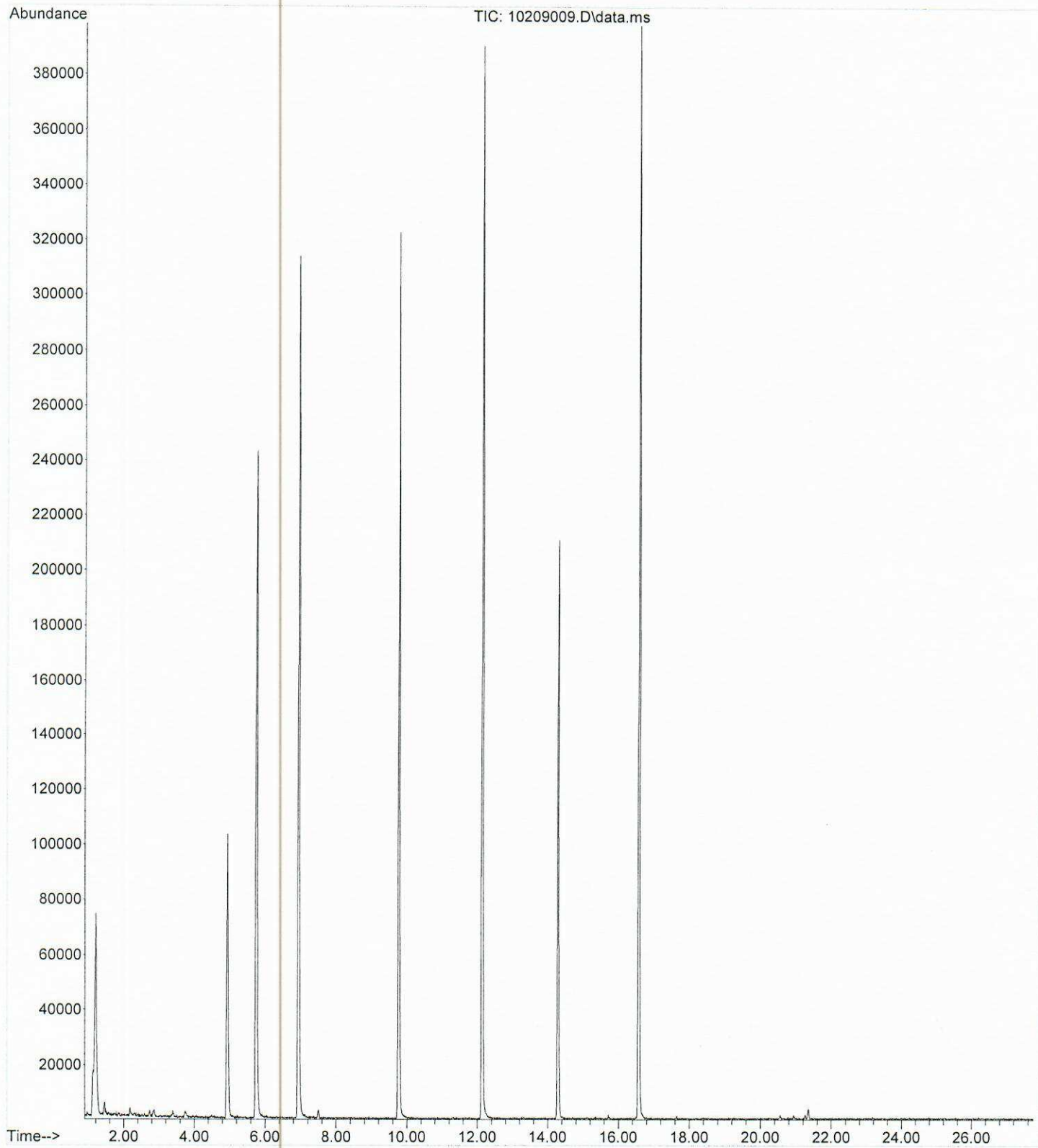
Reported:
02/28/22 09:51

Notes and Definitions

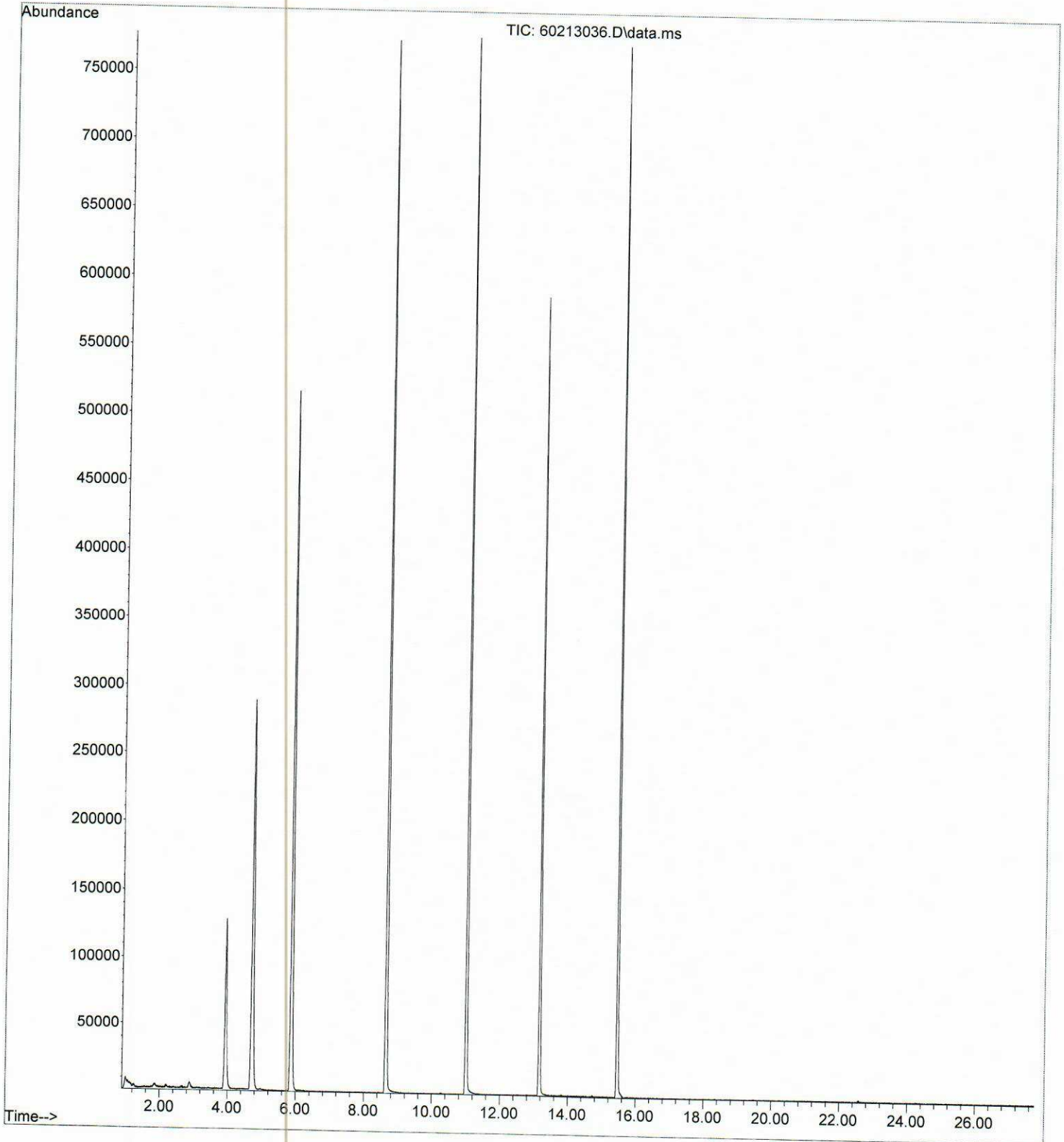
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- QM-05 The spike 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

Non-accredited analytes are reported only when ELAP accreditation for a requested analyte is not available. For a list of accredited analytes, view our certificates at the Company link on our website at www.alpha-labs.com or contact your Project Manager directly.

File :D:\Data\020922\10209009.D
Operator : JV
Acquired : 9 Feb 2022 3:22 pm using AcqMethod MS1INS.M
Instrument : GCMS1
Sample Name: 22B0773-01
Misc Info :
Vial Number: 9



File :D:\MassHunter\GCMS\1\data\2022\021322\60213036.D
Operator : JV
Acquired : 14 Feb 2022 12:41 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 22B0773-02
Misc Info :
Vial Number: 36





Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482
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. 2280773 Page ____ of ____

Report to: Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		Invoice to (if different): Company: Attn: Address: Phone/Fax: Email Address:		Project Info for Report: Project ID: QC- 40ml Amber VOA Vial (HCL) Project No: Silicone Batch Number 2021071503 PO/Reference :		Signature below authorizes work under terms stated on reverse side.										
Samplers Signature: Print:		Container: 40ml VOA Poly Glass bottle Glass Jar		Preservative: HCL Methanol Na Bisulfate Other None		Matrix: Water Container		Total Number of Containers	Analyses Requested		TAT 10 days <input type="radio"/> RUSH: 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: ___ days <input type="radio"/>		Lab Approval Required For Rush TATs	Sample Notes (lab use only) Temperature: _____ deg. C Shipment Method: Custody Seals: Y / N		
Sample Identification		Sampled: Date Time													Sample Notes or CDPH Source Numbers:	
A2033CVBS - 01		2/7		x		x	x		2	x	x	x				
A2033CVBS - 02		11		x		x	x		2	x						
please use Ukiah reagent water for the analysis																
Relinquished by: Per Client		Received by: <i>[Signature]</i>		Date: 2-7-22		Time: 9730		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No State System Number: _____ If "Y" please enter the Source Number(s) in the column above								
								CA Geotracker EDF Report? <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: _____								