



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

24 March 2020

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Clear VOA- HCl

Work Order: 20C0941

Enclosed are the results of analyses for samples received by the laboratory on 03/06/20 12:00. 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
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 Clear VOA- HCl
Project Number: Silicone Batch Number 2019052002

Reported:
03/24/20 09:02

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 Service Center: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B0051CVBS - 01	20C0941-01	Water	03/06/20 00:00	03/06/20 12:00
B0051CVBS - 02	20C0941-02	Water	03/06/20 00:00	03/06/20 12:00



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 Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
B0051CVBS - 02 (20C0941-02) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00												
Acetone	ND	2.0	5.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Benzene	ND	0.10	0.30	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
sec-Butylbenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Chloroethane	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Chloroform	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2-Dichloroethane	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	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 Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
B0051CVBS - 02 (20C0941-02) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00												
1,3-Dichloropropane	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1-Dichloropropene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Ethylbenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Isopropylbenzene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Methyl ethyl ketone	ND	0.20	1.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Methyl isobutyl ketone	ND	0.30	1.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Styrene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Tetrachloroethene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Toluene	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Trichloroethene	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2,3-Trichloropropane	ND	0.10	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
o-Xylene	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Xylenes (total)	ND	0.20	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U

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 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 Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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
B0051CVBS - 02 (20C0941-02) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00												
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	U
Surrogate: Bromofluorobenzene		90.0 %	70-130			AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	
Surrogate: Dibromofluoromethane		114 %	70-130			AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	
Surrogate: Toluene-d8		98.5 %	70-130			AC04229	03/19/20 07:30	03/19/20 14:42	EPA 524.2	SFS	1551	



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
B0051CVBS - 01 (20C0941-01) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00												
Acetone	ND	3.0	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Acetonitrile	ND	50	100	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Allyl chloride	ND	0.40	10	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Benzene	ND	0.30	0.30	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Chloroethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Chloroform	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Chloroprene	ND	0.40	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1-Dichloroethane	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U

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 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 Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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
B0051CVBS - 01 (20C0941-01) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00												
1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
2,2-Dichloropropane	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Ethanol	ND	20	50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Isobutanol	ND	40	100	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Propionitrile	ND	20	50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Styrene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Toluene	ND	0.30	0.30	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	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 Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

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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B0051CVBS - 01 (20C0941-01) Water Sampled: 03/06/20 00:00 Received: 03/06/20 12:00

1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
o-Xylene	ND	0.40	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	U
Surrogate: Bromofluorobenzene		97.9 %	70-130			AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	
Surrogate: Dibromofluoromethane		89.4 %	70-130			AC04168	03/18/20 07:00	03/18/20 21:11	EPA 8260B	JV	1551	
Surrogate: Toluene-d8		101 %	70-130			AC04168	03/18/20 07:00	03/18/20 21:11	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 Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

Blank (AC04229-BLK1)

Prepared & Analyzed: 03/19/20

Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.10	0.30	ug/L							U
Bromobenzene	ND	0.20	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.20	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.50	0.50	ug/L							U
sec-Butylbenzene	ND	0.20	0.50	ug/L							U
tert-Butylbenzene	ND	0.50	0.50	ug/L							U
Carbon disulfide	ND	0.40	0.50	ug/L							U
Carbon tetrachloride	ND	0.30	0.50	ug/L							U
Chlorobenzene	ND	0.20	0.50	ug/L							U
Chloroethane	ND	0.30	0.50	ug/L							U
Chloroform	ND	0.30	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.20	0.50	ug/L							U
4-Chlorotoluene	ND	0.20	0.50	ug/L							U
Dibromochloromethane	ND	0.30	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L							U
Dibromomethane	ND	0.20	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L							U
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 Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

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 AC04229 - VOAs in Water GCMS

Blank (AC04229-BLK1)

Prepared & Analyzed: 03/19/20

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

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

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 AC04229 - VOAs in Water GCMS

Blank (AC04229-BLK1)

Prepared & Analyzed: 03/19/20

Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	22.3			ug/L	25.0		89.0	70-130			
Surrogate: Dibromofluoromethane	27.3			ug/L	25.0		109	70-130			
Surrogate: Toluene-d8	24.7			ug/L	25.0		98.8	70-130			

LCS (AC04229-BS1)

Prepared & Analyzed: 03/19/20

Acetone	22.6	2.0	5.0	ug/L	20.0		113	70-130			
Acrylonitrile	6.24	0.40	5.0	ug/L	5.00		125	70-130			
Benzene	5.15	0.10	0.30	ug/L	5.00		103	70-130			
Bromobenzene	4.70	0.20	0.50	ug/L	5.00		94.0	70-130			
Bromochloromethane	6.25	0.40	0.50	ug/L	5.00		125	70-130			
Bromodichloromethane	4.11	0.20	0.50	ug/L	5.00		82.2	70-130			
Bromoform	3.68	0.30	0.50	ug/L	5.00		73.6	70-130			
Bromomethane	4.53	0.40	0.50	ug/L	5.00		90.6	70-130			
n-Butylbenzene	4.78	0.50	0.50	ug/L	5.00		95.6	70-130			
sec-Butylbenzene	4.65	0.20	0.50	ug/L	5.00		93.0	70-130			
tert-Butylbenzene	4.57	0.50	0.50	ug/L	5.00		91.4	70-130			
Carbon disulfide	4.27	0.40	0.50	ug/L	5.00		85.4	70-130			
Carbon tetrachloride	3.62	0.30	0.50	ug/L	5.00		72.4	70-130			
Chlorobenzene	5.14	0.20	0.50	ug/L	5.00		103	70-130			
Chloroethane	4.02	0.30	0.50	ug/L	5.00		80.4	70-130			
Chloroform	5.39	0.30	0.50	ug/L	5.00		108	70-130			
Chloromethane	5.29	0.40	0.50	ug/L	5.00		106	70-130			
2-Chlorotoluene	4.91	0.20	0.50	ug/L	5.00		98.2	70-130			
4-Chlorotoluene	4.85	0.20	0.50	ug/L	5.00		97.0	70-130			
Dibromochloromethane	3.89	0.30	0.50	ug/L	5.00		77.8	70-130			
1,2-Dibromo-3-chloropropane	3.85	0.50	0.50	ug/L	5.00		77.0	70-130			
1,2-Dibromoethane (EDB)	4.84	0.20	0.50	ug/L	5.00		96.8	70-130			
Dibromomethane	4.79	0.20	0.50	ug/L	5.00		95.8	70-130			
1,2-Dichlorobenzene	4.90	0.20	0.50	ug/L	5.00		98.0	70-130			
1,3-Dichlorobenzene	4.76	0.20	0.50	ug/L	5.00		95.2	70-130			
1,4-Dichlorobenzene	4.90	0.20	0.50	ug/L	5.00		98.0	70-130			
trans-1,4-Dichloro-2-butene	4.11	0.90	5.0	ug/L	5.00		82.2	70-130			J
Dichlorodifluoromethane	6.05	0.50	0.50	ug/L	5.00		121	70-130			
1,1-Dichloroethane	5.97	0.20	0.50	ug/L	5.00		119	70-130			
1,2-Dichloroethane	6.25	0.10	0.50	ug/L	5.00		125	70-130			

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Silicone Batch Number 2019052002

Reported:
 03/24/20 09:02

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 AC04229 - VOAs in Water GCMS

LCS (AC04229-BS1)

Prepared & Analyzed: 03/19/20

1,1-Dichloroethene	5.30	0.30	0.30	ug/L	5.00		106	70-130			
cis-1,2-Dichloroethene	5.83	0.10	0.50	ug/L	5.00		117	70-130			
trans-1,2-Dichloroethene	5.46	0.10	0.50	ug/L	5.00		109	70-130			
1,2-Dichloropropane	5.03	0.20	0.50	ug/L	5.00		101	70-130			
1,3-Dichloropropane	5.43	0.10	0.50	ug/L	5.00		109	70-130			
2,2-Dichloropropane	4.71	0.30	0.50	ug/L	5.00		94.2	70-130			
1,1-Dichloropropene	5.17	0.20	0.50	ug/L	5.00		103	70-130			
cis-1,3-Dichloropropene	3.51	0.30	0.50	ug/L	5.00		70.2	70-130			
trans-1,3-Dichloropropene	3.54	0.30	0.50	ug/L	5.00		70.8	70-130			
Ethylbenzene	4.74	0.20	0.50	ug/L	5.00		94.8	70-130			
2-Hexanone	4.32	0.50	5.0	ug/L	5.00		86.4	70-130			J
Hexachlorobutadiene	4.85	0.40	0.50	ug/L	5.00		97.0	70-130			
Isopropylbenzene	5.05	0.20	0.50	ug/L	5.00		101	70-130			
p-Isopropyltoluene	4.69	0.50	0.50	ug/L	5.00		93.8	70-130			
Methyl ethyl ketone	11.4	0.20	1.0	ug/L	10.0		114	70-130			
Methyl iodide	6.13	0.40	2.0	ug/L	5.00		123	70-130			
Methyl isobutyl ketone	8.94	0.30	1.0	ug/L	10.0		89.4	70-130			
Methylene chloride	5.67	0.40	0.50	ug/L	5.00		113	70-130			
Naphthalene	4.15	0.50	0.50	ug/L	5.00		83.0	70-130			
n-Propylbenzene	4.60	0.50	0.50	ug/L	5.00		92.0	70-130			
Styrene	4.97	0.20	0.50	ug/L	5.00		99.4	70-130			
1,1,1,2-Tetrachloroethane	3.85	0.40	0.50	ug/L	5.00		77.0	70-130			
1,1,1,2,2-Tetrachloroethane	5.28	0.20	0.50	ug/L	5.00		106	70-130			
Tetrachloroethene	4.71	0.20	0.50	ug/L	5.00		94.2	70-130			
Toluene	5.06	0.30	0.50	ug/L	5.00		101	70-130			
1,2,3-Trichlorobenzene	4.56	0.40	0.50	ug/L	5.00		91.2	70-130			
1,2,4-Trichlorobenzene	4.22	0.40	0.50	ug/L	5.00		84.4	70-130			
1,1,1-Trichloroethane	4.75	0.40	0.50	ug/L	5.00		95.0	70-130			
1,1,2-Trichloroethane	5.04	0.20	0.50	ug/L	5.00		101	70-130			
Trichloroethene	4.65	0.10	0.50	ug/L	5.00		93.0	70-130			
Trichlorofluoromethane	5.40	0.50	0.50	ug/L	5.00		108	70-130			
Trichlorotrifluoroethane	6.44	0.40	0.50	ug/L	5.00		129	70-130			
1,2,3-Trichloropropane	4.78	0.10	0.50	ug/L	5.00		95.6	70-130			
1,2,4-Trimethylbenzene	4.52	0.50	0.50	ug/L	5.00		90.4	70-130			
1,3,5-Trimethylbenzene	4.53	0.50	0.50	ug/L	5.00		90.6	70-130			
Vinyl chloride	4.42	0.50	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 Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

LCS (AC04229-BS1)

Prepared & Analyzed: 03/19/20

m,p-Xylene	9.65	0.20	0.50	ug/L	10.0		96.5	70-130			
o-Xylene	4.64	0.20	0.50	ug/L	5.00		92.8	70-130			
Xylenes (total)	14.3	0.20	0.50	ug/L	15.0		95.3	70-130			
Methyl tert-butyl ether	6.27	0.50	3.0	ug/L	5.00		125	70-130			
Ethyl tert-butyl ether	5.66	0.40	0.50	ug/L	5.00		113	70-130			
Tert-amyl methyl ether	3.54	0.30	0.50	ug/L	5.00		70.8	70-130			
Surrogate: Bromofluorobenzene	24.1			ug/L	25.0		96.3	70-130			
Surrogate: Dibromofluoromethane	28.9			ug/L	25.0		115	70-130			
Surrogate: Toluene-d8	25.2			ug/L	25.0		101	70-130			

LCS Dup (AC04229-BSD1)

Prepared & Analyzed: 03/19/20

Acetone	23.6	2.0	5.0	ug/L	20.0		118	70-130	4.59	30	
Acrylonitrile	6.34	0.40	5.0	ug/L	5.00		127	70-130	1.59	30	
Benzene	5.18	0.10	0.30	ug/L	5.00		104	70-130	0.581	30	
Bromobenzene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130	1.48	30	
Bromochloromethane	6.21	0.40	0.50	ug/L	5.00		124	70-130	0.642	30	
Bromodichloromethane	4.40	0.20	0.50	ug/L	5.00		88.0	70-130	6.82	30	
Bromoform	3.64	0.30	0.50	ug/L	5.00		72.8	70-130	1.09	30	
Bromomethane	4.66	0.40	0.50	ug/L	5.00		93.2	70-130	2.83	30	
n-Butylbenzene	4.93	0.50	0.50	ug/L	5.00		98.6	70-130	3.09	30	
sec-Butylbenzene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130	2.55	30	
tert-Butylbenzene	4.71	0.50	0.50	ug/L	5.00		94.2	70-130	3.02	30	
Carbon disulfide	4.52	0.40	0.50	ug/L	5.00		90.4	70-130	5.69	30	
Carbon tetrachloride	3.68	0.30	0.50	ug/L	5.00		73.6	70-130	1.64	30	
Chlorobenzene	5.25	0.20	0.50	ug/L	5.00		105	70-130	2.12	30	
Chloroethane	4.01	0.30	0.50	ug/L	5.00		80.2	70-130	0.249	30	
Chloroform	5.51	0.30	0.50	ug/L	5.00		110	70-130	2.20	30	
Chloromethane	4.74	0.40	0.50	ug/L	5.00		94.8	70-130	11.0	30	
2-Chlorotoluene	4.98	0.20	0.50	ug/L	5.00		99.6	70-130	1.42	30	
4-Chlorotoluene	4.93	0.20	0.50	ug/L	5.00		98.6	70-130	1.64	30	
Dibromochloromethane	4.08	0.30	0.50	ug/L	5.00		81.6	70-130	4.77	30	
1,2-Dibromo-3-chloropropane	4.00	0.50	0.50	ug/L	5.00		80.0	70-130	3.82	25	
1,2-Dibromoethane (EDB)	5.13	0.20	0.50	ug/L	5.00		103	70-130	5.82	25	
Dibromomethane	4.96	0.20	0.50	ug/L	5.00		99.2	70-130	3.49	30	
1,2-Dichlorobenzene	5.08	0.20	0.50	ug/L	5.00		102	70-130	3.61	30	
1,3-Dichlorobenzene	4.82	0.20	0.50	ug/L	5.00		96.4	70-130	1.25	30	
trans-1,4-Dichloro-2-butene	4.23	0.90	5.0	ug/L	5.00		84.6	70-130	2.88	25	J

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

LCS Dup (AC04229-BSD1)

Prepared & Analyzed: 03/19/20

1,4-Dichlorobenzene	5.08	0.20	0.50	ug/L	5.00	102	70-130	3.61	30	
Dichlorodifluoromethane	6.02	0.50	0.50	ug/L	5.00	120	70-130	0.497	30	
1,1-Dichloroethane	5.92	0.20	0.50	ug/L	5.00	118	70-130	0.841	30	
1,2-Dichloroethane	6.26	0.10	0.50	ug/L	5.00	125	70-130	0.160	30	
1,1-Dichloroethene	5.31	0.30	0.30	ug/L	5.00	106	70-130	0.188	30	
cis-1,2-Dichloroethene	6.11	0.10	0.50	ug/L	5.00	122	70-130	4.69	30	
trans-1,2-Dichloroethene	5.43	0.10	0.50	ug/L	5.00	109	70-130	0.551	30	
1,2-Dichloropropane	5.27	0.20	0.50	ug/L	5.00	105	70-130	4.66	30	
1,3-Dichloropropane	5.58	0.10	0.50	ug/L	5.00	112	70-130	2.72	30	
2,2-Dichloropropane	4.91	0.30	0.50	ug/L	5.00	98.2	70-130	4.16	30	
1,1-Dichloropropene	5.37	0.20	0.50	ug/L	5.00	107	70-130	3.80	30	
cis-1,3-Dichloropropene	4.39	0.30	0.50	ug/L	5.00	87.8	70-130	22.3	30	
trans-1,3-Dichloropropene	3.75	0.30	0.50	ug/L	5.00	75.0	70-130	5.76	30	
Ethylbenzene	4.90	0.20	0.50	ug/L	5.00	98.0	70-130	3.32	30	
2-Hexanone	4.56	0.50	5.0	ug/L	5.00	91.2	70-130	5.41	25	J
Hexachlorobutadiene	5.22	0.40	0.50	ug/L	5.00	104	70-130	7.35	30	
Isopropylbenzene	5.08	0.20	0.50	ug/L	5.00	102	70-130	0.592	30	
p-Isopropyltoluene	4.78	0.50	0.50	ug/L	5.00	95.6	70-130	1.90	30	
Methyl ethyl ketone	12.7	0.20	1.0	ug/L	10.0	127	70-130	10.9	30	
Methyl iodide	5.95	0.40	2.0	ug/L	5.00	119	70-130	2.98	25	
Methyl isobutyl ketone	8.96	0.30	1.0	ug/L	10.0	89.6	70-130	0.223	30	
Methylene chloride	5.14	0.40	0.50	ug/L	5.00	103	70-130	9.81	30	
Naphthalene	4.48	0.50	0.50	ug/L	5.00	89.6	70-130	7.65	30	
n-Propylbenzene	4.65	0.50	0.50	ug/L	5.00	93.0	70-130	1.08	30	
Styrene	4.86	0.20	0.50	ug/L	5.00	97.2	70-130	2.24	30	
1,1,1,2-Tetrachloroethane	3.95	0.40	0.50	ug/L	5.00	79.0	70-130	2.56	30	
1,1,2,2-Tetrachloroethane	5.46	0.20	0.50	ug/L	5.00	109	70-130	3.35	30	
Tetrachloroethene	4.79	0.20	0.50	ug/L	5.00	95.8	70-130	1.68	30	
Toluene	5.24	0.30	0.50	ug/L	5.00	105	70-130	3.50	30	
1,2,3-Trichlorobenzene	4.76	0.40	0.50	ug/L	5.00	95.2	70-130	4.29	30	
1,2,4-Trichlorobenzene	4.51	0.40	0.50	ug/L	5.00	90.2	70-130	6.64	30	
1,1,1-Trichloroethane	4.92	0.40	0.50	ug/L	5.00	98.4	70-130	3.52	30	
1,1,2-Trichloroethane	5.21	0.20	0.50	ug/L	5.00	104	70-130	3.32	30	
Trichloroethene	4.77	0.10	0.50	ug/L	5.00	95.4	70-130	2.55	30	
Trichlorofluoromethane	5.55	0.50	0.50	ug/L	5.00	111	70-130	2.74	30	
Trichlorotrifluoroethane	6.30	0.40	0.50	ug/L	5.00	126	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 Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

LCS Dup (AC04229-BSD1)

Prepared & Analyzed: 03/19/20

1,2,3-Trichloropropane	5.02	0.10	0.50	ug/L	5.00		100	70-130	4.90	25	
1,2,4-Trimethylbenzene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130	0.881	30	
1,3,5-Trimethylbenzene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130	0.660	30	
Vinyl chloride	4.39	0.50	0.50	ug/L	5.00		87.8	70-130	0.681	30	
m,p-Xylene	9.72	0.20	0.50	ug/L	10.0		97.2	70-130	0.723	30	
o-Xylene	4.72	0.20	0.50	ug/L	5.00		94.4	70-130	1.71	30	
Xylenes (total)	14.4	0.20	0.50	ug/L	15.0		96.3	70-130	1.04	30	
Methyl tert-butyl ether	5.81	0.50	3.0	ug/L	5.00		116	70-130	7.62	30	
Ethyl tert-butyl ether	5.68	0.40	0.50	ug/L	5.00		114	70-130	0.353	30	
Tert-amyl methyl ether	3.67	0.30	0.50	ug/L	5.00		73.4	70-130	3.61	30	
Surrogate: Bromofluorobenzene	23.4			ug/L	25.0		93.6	70-130			
Surrogate: Dibromofluoromethane	28.5			ug/L	25.0		114	70-130			
Surrogate: Toluene-d8	24.6			ug/L	25.0		98.2	70-130			

Matrix Spike (AC04229-MS1)

Source: 20C1836-01

Prepared & Analyzed: 03/19/20

Acetone	25.6	2.0	5.0	ug/L	20.0	ND	128	70-130			
Acrylonitrile	5.40	0.40	5.0	ug/L	5.00	ND	108	70-130			
Benzene	5.83	0.10	0.30	ug/L	5.00	ND	117	70-130			
Bromobenzene	5.22	0.20	0.50	ug/L	5.00	ND	104	70-130			
Bromochloromethane	5.99	0.40	0.50	ug/L	5.00	ND	120	70-130			
Bromodichloromethane	5.05	0.20	0.50	ug/L	5.00	ND	101	70-130			
Bromoform	4.93	0.30	0.50	ug/L	5.00	1.30	72.6	70-130			
Bromomethane	3.63	0.40	0.50	ug/L	5.00	ND	72.6	70-130			
n-Butylbenzene	5.58	0.50	0.50	ug/L	5.00	ND	112	70-130			
sec-Butylbenzene	5.30	0.20	0.50	ug/L	5.00	ND	106	70-130			
tert-Butylbenzene	5.33	0.50	0.50	ug/L	5.00	ND	107	70-130			
Carbon disulfide	5.45	0.40	0.50	ug/L	5.00	ND	109	70-130			
Carbon tetrachloride	4.21	0.30	0.50	ug/L	5.00	ND	84.2	70-130			
Chlorobenzene	5.68	0.20	0.50	ug/L	5.00	ND	114	70-130			
Chloroethane	5.17	0.30	0.50	ug/L	5.00	ND	103	70-130			
Chloroform	7.18	0.30	0.50	ug/L	5.00	ND	144	70-130			QM-05
Chloromethane	5.83	0.40	0.50	ug/L	5.00	ND	117	70-130			
2-Chlorotoluene	5.53	0.20	0.50	ug/L	5.00	ND	111	70-130			
4-Chlorotoluene	5.32	0.20	0.50	ug/L	5.00	ND	106	70-130			
Dibromochloromethane	4.99	0.30	0.50	ug/L	5.00	ND	99.8	70-130			
1,2-Dibromo-3-chloropropane	4.03	0.50	0.50	ug/L	5.00	ND	80.6	70-130			
1,2-Dibromoethane (EDB)	5.04	0.20	0.50	ug/L	5.00	ND	101	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

Matrix Spike (AC04229-MS1)	Source: 20C1836-01			Prepared & Analyzed: 03/19/20							
Dibromomethane	5.67	0.20	0.50	ug/L	5.00	ND	113	70-130			
1,2-Dichlorobenzene	5.36	0.20	0.50	ug/L	5.00	ND	107	70-130			
1,3-Dichlorobenzene	5.22	0.20	0.50	ug/L	5.00	ND	104	70-130			
1,4-Dichlorobenzene	5.36	0.20	0.50	ug/L	5.00	ND	107	70-130			
trans-1,4-Dichloro-2-butene	3.90	0.90	5.0	ug/L	5.00	ND	78.0	70-130			J
Dichlorodifluoromethane	6.18	0.50	0.50	ug/L	5.00	ND	124	70-130			
1,1-Dichloroethane	6.74	0.20	0.50	ug/L	5.00	ND	135	70-130			QM-05
1,2-Dichloroethane	6.34	0.10	0.50	ug/L	5.00	ND	127	70-130			
1,1-Dichloroethene	5.68	0.30	0.30	ug/L	5.00	ND	114	70-130			
cis-1,2-Dichloroethene	5.87	0.10	0.50	ug/L	5.00	ND	117	70-130			
trans-1,2-Dichloroethene	5.45	0.10	0.50	ug/L	5.00	ND	109	70-130			
1,2-Dichloropropane	5.65	0.20	0.50	ug/L	5.00	ND	113	70-130			
1,3-Dichloropropane	5.71	0.10	0.50	ug/L	5.00	ND	114	70-130			
2,2-Dichloropropane	5.61	0.30	0.50	ug/L	5.00	ND	112	70-130			
1,1-Dichloropropene	6.10	0.20	0.50	ug/L	5.00	ND	122	70-130			
cis-1,3-Dichloropropene	3.54	0.30	0.50	ug/L	5.00	ND	70.8	70-130			
trans-1,3-Dichloropropene	2.77	0.30	0.50	ug/L	5.00	ND	55.4	70-130			QM-05
2-Hexanone	4.42	0.50	5.0	ug/L	5.00	ND	88.4	70-130			J
Ethylbenzene	5.51	0.20	0.50	ug/L	5.00	ND	110	70-130			
Hexachlorobutadiene	5.67	0.40	0.50	ug/L	5.00	ND	113	70-130			
Isopropylbenzene	5.81	0.20	0.50	ug/L	5.00	ND	116	70-130			
p-Isopropyltoluene	5.45	0.50	0.50	ug/L	5.00	ND	109	70-130			
Methyl ethyl ketone	11.5	0.20	1.0	ug/L	10.0	ND	115	70-130			
Methyl iodide	5.20	0.40	2.0	ug/L	5.00	ND	104	70-130			
Methyl isobutyl ketone	12.8	0.30	1.0	ug/L	10.0	ND	128	70-130			
Methylene chloride	6.39	0.40	0.50	ug/L	5.00	ND	128	70-130			
Naphthalene	4.29	0.50	0.50	ug/L	5.00	ND	85.8	70-130			
n-Propylbenzene	5.37	0.50	0.50	ug/L	5.00	ND	107	70-130			
Styrene	5.18	0.20	0.50	ug/L	5.00	ND	104	70-130			
1,1,1,2-Tetrachloroethane	4.19	0.40	0.50	ug/L	5.00	ND	83.8	70-130			
1,1,2,2-Tetrachloroethane	1.37	0.20	0.50	ug/L	5.00	ND	27.4	70-130			QM-05
Tetrachloroethene	5.46	0.20	0.50	ug/L	5.00	ND	109	70-130			
Toluene	5.76	0.30	0.50	ug/L	5.00	ND	115	70-130			
1,2,3-Trichlorobenzene	4.75	0.40	0.50	ug/L	5.00	ND	95.0	70-130			
1,2,4-Trichlorobenzene	4.47	0.40	0.50	ug/L	5.00	ND	89.4	70-130			
1,1,1-Trichloroethane	5.94	0.40	0.50	ug/L	5.00	ND	119	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

Matrix Spike (AC04229-MS1)	Source: 20C1836-01			Prepared & Analyzed: 03/19/20							
1,1,2-Trichloroethane	8.31	0.20	0.50	ug/L	5.00	ND	166	70-130			QM-05
Trichloroethene	7.84	0.10	0.50	ug/L	5.00	ND	157	70-130			QM-05
Trichlorofluoromethane	5.90	0.50	0.50	ug/L	5.00	ND	118	70-130			
Trichlorotrifluoroethane	7.00	0.40	0.50	ug/L	5.00	ND	140	70-130			QM-05
1,2,3-Trichloropropane	5.15	0.10	0.50	ug/L	5.00	ND	103	70-130			
1,2,4-Trimethylbenzene	5.16	0.50	0.50	ug/L	5.00	ND	103	70-130			
1,3,5-Trimethylbenzene	5.17	0.50	0.50	ug/L	5.00	ND	103	70-130			
Vinyl chloride	5.38	0.50	0.50	ug/L	5.00	ND	108	70-130			
m,p-Xylene	11.0	0.20	0.50	ug/L	10.0	ND	110	70-130			
o-Xylene	5.32	0.20	0.50	ug/L	5.00	ND	106	70-130			
Xylenes (total)	16.3	0.20	0.50	ug/L	15.0	ND	109	70-130			
Methyl tert-butyl ether	6.27	0.50	3.0	ug/L	5.00	ND	125	70-130			
Ethyl tert-butyl ether	6.12	0.40	0.50	ug/L	5.00	ND	122	70-130			
Tert-amyl methyl ether	3.77	0.30	0.50	ug/L	5.00	ND	75.4	70-130			
Surrogate: Bromofluorobenzene	23.5			ug/L	25.0		93.9	70-130			
Surrogate: Dibromofluoromethane	30.3			ug/L	25.0		121	70-130			
Surrogate: Toluene-d8	24.4			ug/L	25.0		97.4	70-130			

Matrix Spike (AC04229-MS2)	Source: 20C0937-01			Prepared & Analyzed: 03/19/20							
Acetone	23.1	2.0	5.0	ug/L	20.0	ND	116	70-130			
Acrylonitrile	6.47	0.40	5.0	ug/L	5.00	ND	129	70-130			
Benzene	5.19	0.10	0.30	ug/L	5.00	ND	104	70-130			
Bromobenzene	4.60	0.20	0.50	ug/L	5.00	ND	92.0	70-130			
Bromochloromethane	6.19	0.40	0.50	ug/L	5.00	ND	124	70-130			
Bromodichloromethane	8.72	0.20	0.50	ug/L	5.00	3.19	111	70-130			
Bromoform	4.09	0.30	0.50	ug/L	5.00	ND	81.8	70-130			
Bromomethane	3.57	0.40	0.50	ug/L	5.00	ND	71.4	70-130			
n-Butylbenzene	4.83	0.50	0.50	ug/L	5.00	ND	96.6	70-130			
sec-Butylbenzene	4.68	0.20	0.50	ug/L	5.00	ND	93.6	70-130			
tert-Butylbenzene	4.64	0.50	0.50	ug/L	5.00	ND	92.8	70-130			
Carbon disulfide	4.66	0.40	0.50	ug/L	5.00	ND	93.2	70-130			
Carbon tetrachloride	3.91	0.30	0.50	ug/L	5.00	ND	78.2	70-130			
Chlorobenzene	5.09	0.20	0.50	ug/L	5.00	ND	102	70-130			
Chloroethane	4.92	0.30	0.50	ug/L	5.00	ND	98.4	70-130			
Chloroform	10.1	0.30	0.50	ug/L	5.00	4.21	118	70-130			
Chloromethane	4.52	0.40	0.50	ug/L	5.00	ND	90.4	70-130			
2-Chlorotoluene	4.82	0.20	0.50	ug/L	5.00	ND	96.4	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

Matrix Spike (AC04229-MS2)	Source: 20C0937-01			Prepared & Analyzed: 03/19/20							
4-Chlorotoluene	4.84	0.20	0.50	ug/L	5.00	ND	96.8	70-130			
Dibromochloromethane	7.52	0.30	0.50	ug/L	5.00	3.01	90.2	70-130			
1,2-Dibromo-3-chloropropane	3.76	0.50	0.50	ug/L	5.00	ND	75.2	70-130			
1,2-Dibromoethane (EDB)	4.63	0.20	0.50	ug/L	5.00	ND	92.6	70-130			
Dibromomethane	4.69	0.20	0.50	ug/L	5.00	ND	93.8	70-130			
1,2-Dichlorobenzene	4.82	0.20	0.50	ug/L	5.00	ND	96.4	70-130			
1,3-Dichlorobenzene	4.73	0.20	0.50	ug/L	5.00	ND	94.6	70-130			
1,4-Dichlorobenzene	4.82	0.20	0.50	ug/L	5.00	ND	96.4	70-130			
trans-1,4-Dichloro-2-butene	3.55	0.90	5.0	ug/L	5.00	ND	71.0	70-130			J
Dichlorodifluoromethane	5.97	0.50	0.50	ug/L	5.00	ND	119	70-130			
1,1-Dichloroethane	6.37	0.20	0.50	ug/L	5.00	ND	127	70-130			
1,2-Dichloroethane	6.34	0.10	0.50	ug/L	5.00	ND	127	70-130			
1,1-Dichloroethene	5.59	0.30	0.30	ug/L	5.00	ND	112	70-130			
cis-1,2-Dichloroethene	6.24	0.10	0.50	ug/L	5.00	ND	125	70-130			
trans-1,2-Dichloroethene	5.89	0.10	0.50	ug/L	5.00	ND	118	70-130			
1,2-Dichloropropane	5.14	0.20	0.50	ug/L	5.00	ND	103	70-130			
1,3-Dichloropropane	5.03	0.10	0.50	ug/L	5.00	ND	101	70-130			
2,2-Dichloropropane	5.08	0.30	0.50	ug/L	5.00	ND	102	70-130			
1,1-Dichloropropene	5.45	0.20	0.50	ug/L	5.00	ND	109	70-130			
cis-1,3-Dichloropropene	2.52	0.30	0.50	ug/L	5.00	ND	50.4	70-130			QM-05
trans-1,3-Dichloropropene	2.55	0.30	0.50	ug/L	5.00	ND	51.0	70-130			QM-05
2-Hexanone	4.12	0.50	5.0	ug/L	5.00	ND	82.4	70-130			J
Ethylbenzene	4.85	0.20	0.50	ug/L	5.00	ND	97.0	70-130			
Hexachlorobutadiene	5.19	0.40	0.50	ug/L	5.00	ND	104	70-130			
Isopropylbenzene	5.08	0.20	0.50	ug/L	5.00	ND	102	70-130			
p-Isopropyltoluene	4.82	0.50	0.50	ug/L	5.00	ND	96.4	70-130			
Methyl ethyl ketone	11.7	0.20	1.0	ug/L	10.0	ND	117	70-130			
Methyl iodide	4.14	0.40	2.0	ug/L	5.00	ND	82.8	70-130			
Methyl isobutyl ketone	8.23	0.30	1.0	ug/L	10.0	ND	82.3	70-130			
Methylene chloride	6.15	0.40	0.50	ug/L	5.00	ND	123	70-130			
Naphthalene	3.92	0.50	0.50	ug/L	5.00	ND	78.4	70-130			
n-Propylbenzene	4.77	0.50	0.50	ug/L	5.00	ND	95.4	70-130			
Styrene	4.50	0.20	0.50	ug/L	5.00	ND	90.0	70-130			
1,1,1,2-Tetrachloroethane	3.78	0.40	0.50	ug/L	5.00	ND	75.6	70-130			
1,1,2,2-Tetrachloroethane	4.96	0.20	0.50	ug/L	5.00	ND	99.2	70-130			
Tetrachloroethene	4.79	0.20	0.50	ug/L	5.00	ND	95.8	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04229 - VOAs in Water GCMS

Matrix Spike (AC04229-MS2)	Source: 20C0937-01			Prepared & Analyzed: 03/19/20							
Toluene	5.04	0.30	0.50	ug/L	5.00	ND	101	70-130			
1,2,3-Trichlorobenzene	4.38	0.40	0.50	ug/L	5.00	ND	87.6	70-130			
1,2,4-Trichlorobenzene	4.07	0.40	0.50	ug/L	5.00	ND	81.4	70-130			
1,1,1-Trichloroethane	5.02	0.40	0.50	ug/L	5.00	ND	100	70-130			
1,1,2-Trichloroethane	5.25	0.20	0.50	ug/L	5.00	ND	105	70-130			
Trichloroethene	4.83	0.10	0.50	ug/L	5.00	ND	96.6	70-130			
Trichlorofluoromethane	6.05	0.50	0.50	ug/L	5.00	ND	121	70-130			
Trichlorotrifluoroethane	6.43	0.40	0.50	ug/L	5.00	ND	129	70-130			
1,2,3-Trichloropropane	4.64	0.10	0.50	ug/L	5.00	ND	92.8	70-130			
1,2,4-Trimethylbenzene	4.52	0.50	0.50	ug/L	5.00	ND	90.4	70-130			
1,3,5-Trimethylbenzene	4.52	0.50	0.50	ug/L	5.00	ND	90.4	70-130			
Vinyl chloride	4.61	0.50	0.50	ug/L	5.00	ND	92.2	70-130			
m,p-Xylene	9.96	0.20	0.50	ug/L	10.0	ND	99.6	70-130			
o-Xylene	4.63	0.20	0.50	ug/L	5.00	ND	92.6	70-130			
Xylenes (total)	14.6	0.20	0.50	ug/L	15.0	ND	97.3	70-130			
Methyl tert-butyl ether	5.60	0.50	3.0	ug/L	5.00	ND	112	70-130			
Ethyl tert-butyl ether	5.80	0.40	0.50	ug/L	5.00	ND	116	70-130			
Tert-amyl methyl ether	3.59	0.30	0.50	ug/L	5.00	ND	71.8	70-130			
Surrogate: Bromofluorobenzene	23.8			ug/L	25.0		95.2	70-130			
Surrogate: Dibromofluoromethane	30.2			ug/L	25.0		121	70-130			
Surrogate: Toluene-d8	24.9			ug/L	25.0		99.6	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Blank (AC04168-BLK1)

Prepared: 03/17/20 Analyzed: 03/18/20

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

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AC04168 - VOAs in Water GCMS

Blank (AC04168-BLK1)

Prepared: 03/17/20 Analyzed: 03/18/20

trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
1,2-Dichloropropane	ND	0.40	0.50	ug/L							U
1,3-Dichloropropane	ND	0.40	0.50	ug/L							U
2,2-Dichloropropane	ND	0.50	0.50	ug/L							U
1,1-Dichloropropene	ND	0.40	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
Diethyl ether	ND	0.20	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethyl methacrylate	ND	0.70	10	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Ethanol	ND	20	50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Hexachlorobutadiene	ND	0.50	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 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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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 AC04168 - VOAs in Water GCMS

Blank (AC04168-BLK1)

Prepared: 03/17/20 Analyzed: 03/18/20

Toluene	ND	0.30	0.30	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.20	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	25.7			ug/L	25.0		103	70-130			
Surrogate: Dibromofluoromethane	23.5			ug/L	25.0		93.9	70-130			
Surrogate: Toluene-d8	24.9			ug/L	25.0		99.7	70-130			

LCS (AC04168-BS1)

Prepared: 03/17/20 Analyzed: 03/18/20

Acetone	67.1	3.0	5.0	ug/L	80.0		83.8	48-124			
Acetonitrile	1720	50	100	ug/L	2000		85.9	70-130			
Allyl chloride	22.2	0.40	10	ug/L	20.0		111	70-130			
Acrylonitrile	19.6	0.40	5.0	ug/L	20.0		98.2	70-130			
Benzene	20.4	0.30	0.30	ug/L	20.0		102	82-122			
Bromobenzene	21.3	0.40	0.50	ug/L	20.0		107	83-122			
Bromochloromethane	21.8	0.40	0.50	ug/L	20.0		109	83-124			
Bromodichloromethane	20.4	0.40	0.50	ug/L	20.0		102	86-135			
Bromoform	21.8	0.30	0.50	ug/L	20.0		109	76-144			
Bromomethane	22.8	0.40	0.50	ug/L	20.0		114	69-145			
n-Butylbenzene	19.2	0.40	0.50	ug/L	20.0		96.2	79-132			
sec-Butylbenzene	21.6	0.40	0.50	ug/L	20.0		108	86-132			
tert-Butylbenzene	20.0	0.30	0.50	ug/L	20.0		99.8	82-126			
Carbon disulfide	22.5	0.40	5.0	ug/L	20.0		113	70-130			
Carbon tetrachloride	25.4	0.40	0.50	ug/L	20.0		127	77-134			
Chlorobenzene	20.6	0.30	0.50	ug/L	20.0		103	84-119			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

LCS (AC04168-BS1)

Prepared: 03/17/20 Analyzed: 03/18/20

Chloroethane	18.4	0.40	0.50	ug/L	20.0		92.2	68-133			
2-Chloroethylvinyl ether	42.5	0.70	1.0	ug/L	40.0		106	75-130			
Chloroform	21.1	0.40	0.50	ug/L	20.0		105	81-122			
Chloromethane	20.2	0.40	0.50	ug/L	20.0		101	63-129			
Chloroprene	22.4	0.40	1.0	ug/L	20.0		112	70-130			
2-Chlorotoluene	21.8	0.40	0.50	ug/L	20.0		109	79-132			
4-Chlorotoluene	22.0	0.30	0.50	ug/L	20.0		110	80-122			
Dibromochloromethane	21.9	0.40	0.50	ug/L	20.0		109	83-135			
1,2-Dibromo-3-chloropropane	20.5	0.60	2.0	ug/L	20.0		103	73-128			
1,2-Dibromoethane (EDB)	22.4	0.40	0.50	ug/L	20.0		112	80-120			
Dibromomethane	21.1	0.40	0.50	ug/L	20.0		106	82-124			
1,2-Dichlorobenzene	21.1	0.40	0.50	ug/L	20.0		105	84-121			
1,3-Dichlorobenzene	20.2	0.40	0.50	ug/L	20.0		101	80-120			
1,4-Dichlorobenzene	20.2	0.10	0.50	ug/L	20.0		101	84-120			
trans-1,4-Dichloro-2-butene	21.5	0.50	5.0	ug/L	20.0		108	70-130			
Dichlorodifluoromethane	21.1	0.40	0.50	ug/L	20.0		106	52-142			
1,1-Dichloroethane	20.7	0.30	0.50	ug/L	20.0		104	81-126			
1,2-Dichloroethane	20.0	0.40	0.50	ug/L	20.0		99.8	77-117			
1,1-Dichloroethene	19.3	0.30	0.50	ug/L	20.0		96.4	71-151			
cis-1,2-Dichloroethene	20.1	0.40	0.50	ug/L	20.0		101	84-131			
trans-1,2-Dichloroethene	20.0	0.40	0.50	ug/L	20.0		99.8	79-128			
1,2-Dichloropropane	20.0	0.40	0.50	ug/L	20.0		99.8	82-125			
1,3-Dichloropropane	21.5	0.40	0.50	ug/L	20.0		108	83-120			
2,2-Dichloropropane	19.0	0.50	0.50	ug/L	20.0		95.0	80-125			
1,1-Dichloropropene	23.0	0.40	0.50	ug/L	20.0		115	85-130			
cis-1,3-Dichloropropene	20.1	0.40	0.50	ug/L	20.0		100	83-128			
trans-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0		101	67-129			
Diethyl ether	22.7	0.20	1.0	ug/L	20.0		114	70-130			
Di-isopropyl ether	24.2	0.40	0.50	ug/L	20.0		121	83-132			
Ethyl methacrylate	22.0	0.70	10	ug/L	20.0		110	70-130			
Ethylbenzene	22.4	0.40	0.50	ug/L	20.0		112	84-124			
Ethanol	752	20	50	ug/L	980		76.7	50-150			
Ethyl tert-butyl ether	20.8	0.40	0.50	ug/L	20.0		104	74-127			
Hexachlorobutadiene	18.2	0.50	0.50	ug/L	20.0		91.0	75-135			
Hexachloroethane	21.7	0.40	1.0	ug/L	20.0		108	70-130			
2-Hexanone	20.0	0.50	5.0	ug/L	20.0		100	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

LCS (AC04168-BS1)

Prepared: 03/17/20 Analyzed: 03/18/20

Isopropylbenzene	22.6	0.40	0.50	ug/L	20.0		113	75-116			
Isobutanol	1800	40	100	ug/L	2000		89.9	70-130			
p-Isopropyltoluene	19.1	0.40	0.50	ug/L	20.0		95.4	78-124			
Methylene chloride	20.6	0.50	0.50	ug/L	20.0		103	72-132			
Methacrylonitrile	21.7	0.40	1.0	ug/L	20.0		109	70-130			
Methyl ethyl ketone	38.3	0.70	1.0	ug/L	40.0		95.7	58-157			
Methyl iodide	22.3	0.40	2.0	ug/L	20.0		112	56-167			
Methyl isobutyl ketone	40.5	0.60	1.0	ug/L	40.0		101	70-130			
Methyl methacrylate	24.9	0.40	1.0	ug/L	20.0		124	70-130			
Methyl tert-butyl ether	21.8	0.50	0.50	ug/L	20.0		109	84-119			
Naphthalene	18.6	0.50	0.50	ug/L	20.0		93.0	84-134			
Propionitrile	935	20	50	ug/L	1000		93.5	70-130			
n-Propylbenzene	19.4	0.40	0.50	ug/L	20.0		97.0	75-127			
Styrene	20.6	0.40	0.50	ug/L	20.0		103	80-125			
Tert-amyl methyl ether	20.7	0.40	0.50	ug/L	20.0		103	74-120			
Tert-butyl alcohol	391	6.0	10	ug/L	400		97.7	66-147			
1,1,1,2-Tetrachloroethane	20.1	0.40	0.50	ug/L	20.0		101	80-132			
1,1,2,2-Tetrachloroethane	21.2	0.30	0.50	ug/L	20.0		106	84-115			
Tetrachloroethene	20.6	0.40	0.50	ug/L	20.0		103	56-156			
Tetrahydrofuran	20.3	0.40	5.0	ug/L	20.0		102	70-130			
Toluene	21.8	0.30	0.30	ug/L	20.0		109	76-137			
1,2,4-Trichlorobenzene	21.4	0.20	0.50	ug/L	20.0		107	84-126			
1,2,3-Trichlorobenzene	20.1	0.50	0.50	ug/L	20.0		100	85-133			
1,1,1-Trichloroethane	22.2	0.40	0.50	ug/L	20.0		111	70-130			
1,1,2-Trichloroethane	21.0	0.40	0.50	ug/L	20.0		105	83-122			
Trichloroethene	20.5	0.40	0.50	ug/L	20.0		103	84-123			
Trichlorofluoromethane	18.8	0.20	0.50	ug/L	20.0		94.1	74-130			
1,2,3-Trichloropropane	20.9	0.40	0.50	ug/L	20.0		105	78-122			
Trichlorotrifluoroethane	20.0	0.20	0.50	ug/L	20.0		99.9	82-125			
1,2,4-Trimethylbenzene	19.9	0.40	0.50	ug/L	20.0		99.7	85-127			
1,3,5-Trimethylbenzene	19.8	0.30	0.50	ug/L	20.0		98.9	80-125			
Vinyl acetate	40.2	0.80	1.0	ug/L	40.0		101	60-140			
Vinyl chloride	21.8	0.40	0.50	ug/L	20.0		109	70-130			
m,p-Xylene	45.1	0.50	0.50	ug/L	40.0		113	81-124			
o-Xylene	21.9	0.40	0.50	ug/L	20.0		109	80-126			
Xylenes (total)	67.0	0.50	0.50	ug/L	60.0		112	81-126			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

LCS (AC04168-BS1)

Prepared: 03/17/20 Analyzed: 03/18/20

Surrogate: Bromofluorobenzene	25.6			ug/L	25.0		102	70-130			
Surrogate: Dibromofluoromethane	23.7			ug/L	25.0		94.8	70-130			
Surrogate: Toluene-d8	24.9			ug/L	25.0		99.8	70-130			

LCS Dup (AC04168-BS1)

Prepared: 03/17/20 Analyzed: 03/18/20

Acetone	74.8	3.0	5.0	ug/L	80.0		93.6	48-124	11.0	25	
Acetonitrile	1770	50	100	ug/L	2000		88.6	70-130	3.04	25	
Allyl chloride	22.1	0.40	10	ug/L	20.0		111	70-130	0.135	25	
Acrylonitrile	22.2	0.40	5.0	ug/L	20.0		111	70-130	12.2	25	
Benzene	20.2	0.30	0.30	ug/L	20.0		101	82-122	0.838	25	
Bromobenzene	21.1	0.40	0.50	ug/L	20.0		105	83-122	1.18	25	
Bromochloromethane	21.7	0.40	0.50	ug/L	20.0		109	83-124	0.505	25	
Bromodichloromethane	20.3	0.40	0.50	ug/L	20.0		102	86-135	0.490	25	
Bromoform	22.0	0.30	0.50	ug/L	20.0		110	76-144	1.14	25	
Bromomethane	24.1	0.40	0.50	ug/L	20.0		121	69-145	5.80	25	
n-Butylbenzene	19.5	0.40	0.50	ug/L	20.0		97.4	79-132	1.19	25	
sec-Butylbenzene	21.7	0.40	0.50	ug/L	20.0		108	86-132	0.323	25	
tert-Butylbenzene	19.9	0.30	0.50	ug/L	20.0		99.3	82-126	0.552	25	
Carbon disulfide	22.4	0.40	5.0	ug/L	20.0		112	70-130	0.267	30	
Carbon tetrachloride	25.4	0.40	0.50	ug/L	20.0		127	77-134	0.118	25	
Chlorobenzene	20.2	0.30	0.50	ug/L	20.0		101	84-119	1.76	25	
Chloroethane	18.3	0.40	0.50	ug/L	20.0		91.4	68-133	0.926	25	
2-Chloroethylvinyl ether	43.6	0.70	1.0	ug/L	40.0		109	75-130	2.67	30	
Chloroform	20.9	0.40	0.50	ug/L	20.0		105	81-122	0.714	25	
Chloroprene	21.9	0.40	1.0	ug/L	20.0		110	70-130	1.99	25	
Chloromethane	18.2	0.40	0.50	ug/L	20.0		91.0	63-129	10.3	25	
2-Chlorotoluene	21.7	0.40	0.50	ug/L	20.0		108	79-132	0.827	25	
4-Chlorotoluene	21.7	0.30	0.50	ug/L	20.0		109	80-122	1.05	25	
Dibromochloromethane	22.0	0.40	0.50	ug/L	20.0		110	83-135	0.638	25	
1,2-Dibromo-3-chloropropane	22.7	0.60	2.0	ug/L	20.0		114	73-128	10.1	25	
1,2-Dibromoethane (EDB)	22.3	0.40	0.50	ug/L	20.0		111	80-120	0.627	25	
Dibromomethane	21.6	0.40	0.50	ug/L	20.0		108	82-124	2.15	25	
1,2-Dichlorobenzene	21.2	0.40	0.50	ug/L	20.0		106	84-121	0.804	25	
1,3-Dichlorobenzene	20.4	0.40	0.50	ug/L	20.0		102	80-120	0.938	25	
1,4-Dichlorobenzene	20.3	0.10	0.50	ug/L	20.0		101	84-120	0.494	25	
trans-1,4-Dichloro-2-butene	22.5	0.50	5.0	ug/L	20.0		113	70-130	4.72	25	
Dichlorodifluoromethane	20.6	0.40	0.50	ug/L	20.0		103	52-142	2.54	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

LCS Dup (AC04168-BSD1)

Prepared: 03/17/20 Analyzed: 03/18/20

1,1-Dichloroethane	20.4	0.30	0.50	ug/L	20.0	102	81-126	1.75	25	
1,2-Dichloroethane	19.7	0.40	0.50	ug/L	20.0	98.5	77-117	1.36	25	
1,1-Dichloroethene	19.2	0.30	0.50	ug/L	20.0	96.2	71-151	0.312	25	
cis-1,2-Dichloroethene	19.9	0.40	0.50	ug/L	20.0	99.4	84-131	1.30	25	
trans-1,2-Dichloroethene	19.9	0.40	0.50	ug/L	20.0	99.6	79-128	0.150	25	
1,2-Dichloropropane	19.7	0.40	0.50	ug/L	20.0	98.6	82-125	1.26	25	
1,3-Dichloropropane	21.2	0.40	0.50	ug/L	20.0	106	83-120	1.26	25	
2,2-Dichloropropane	19.0	0.50	0.50	ug/L	20.0	94.8	80-125	0.105	25	
1,1-Dichloropropene	22.9	0.40	0.50	ug/L	20.0	114	85-130	0.480	25	
cis-1,3-Dichloropropene	20.6	0.40	0.50	ug/L	20.0	103	83-128	2.51	25	
trans-1,3-Dichloropropene	20.5	0.40	0.50	ug/L	20.0	103	67-129	1.62	25	
Diethyl ether	21.7	0.20	1.0	ug/L	20.0	109	70-130	4.41	25	
Di-isopropyl ether	24.0	0.40	0.50	ug/L	20.0	120	83-132	0.540	25	
Ethylbenzene	22.1	0.40	0.50	ug/L	20.0	111	84-124	1.35	25	
Ethyl methacrylate	22.4	0.70	10	ug/L	20.0	112	70-130	1.94	25	
Ethanol	844	20	50	ug/L	980	86.1	50-150	11.5	25	
Ethyl tert-butyl ether	21.5	0.40	0.50	ug/L	20.0	107	74-127	3.17	25	
Hexachlorobutadiene	19.8	0.50	0.50	ug/L	20.0	98.8	75-135	8.22	25	
Hexachloroethane	22.4	0.40	1.0	ug/L	20.0	112	70-130	3.04	25	
2-Hexanone	20.5	0.50	5.0	ug/L	20.0	102	70-130	2.47	30	
Isobutanol	2110	40	100	ug/L	2000	106	70-130	16.2	25	
Isopropylbenzene	22.4	0.40	0.50	ug/L	20.0	112	75-116	0.710	25	
p-Isopropyltoluene	19.4	0.40	0.50	ug/L	20.0	96.9	78-124	1.56	25	
Methylene chloride	20.4	0.50	0.50	ug/L	20.0	102	72-132	0.585	25	
Methacrylonitrile	21.8	0.40	1.0	ug/L	20.0	109	70-130	0.505	25	
Methyl ethyl ketone	38.6	0.70	1.0	ug/L	40.0	96.6	58-157	0.884	25	
Methyl iodide	22.6	0.40	2.0	ug/L	20.0	113	56-167	1.29	30	
Methyl isobutyl ketone	42.4	0.60	1.0	ug/L	40.0	106	70-130	4.56	25	
Methyl methacrylate	25.8	0.40	1.0	ug/L	20.0	129	70-130	3.40	25	
Naphthalene	20.8	0.50	0.50	ug/L	20.0	104	84-134	11.2	25	
Methyl tert-butyl ether	22.4	0.50	0.50	ug/L	20.0	112	84-119	2.94	25	
Propionitrile	1010	20	50	ug/L	1000	101	70-130	7.54	25	
n-Propylbenzene	19.4	0.40	0.50	ug/L	20.0	96.8	75-127	0.310	25	
Styrene	20.3	0.40	0.50	ug/L	20.0	102	80-125	1.08	25	
Tert-amyl methyl ether	21.1	0.40	0.50	ug/L	20.0	106	74-120	2.10	25	
Tert-butyl alcohol	444	6.0	10	ug/L	400	111	66-147	12.6	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

LCS Dup (AC04168-BSD1)

Prepared: 03/17/20 Analyzed: 03/18/20

1,1,1,2-Tetrachloroethane	19.8	0.40	0.50	ug/L	20.0		98.9	80-132	1.75	25	
1,1,2,2-Tetrachloroethane	21.6	0.30	0.50	ug/L	20.0		108	84-115	1.59	25	
Tetrachloroethene	20.3	0.40	0.50	ug/L	20.0		101	56-156	1.47	25	
Tetrahydrofuran	21.5	0.40	5.0	ug/L	20.0		107	70-130	5.41	25	
Toluene	21.3	0.30	0.30	ug/L	20.0		106	76-137	2.64	25	
1,2,3-Trichlorobenzene	22.5	0.50	0.50	ug/L	20.0		113	85-133	11.4	25	
1,2,4-Trichlorobenzene	23.5	0.20	0.50	ug/L	20.0		117	84-126	9.04	25	
1,1,1-Trichloroethane	22.3	0.40	0.50	ug/L	20.0		111	70-130	0.270	25	
1,1,2-Trichloroethane	20.7	0.40	0.50	ug/L	20.0		104	83-122	1.63	25	
Trichloroethene	20.1	0.40	0.50	ug/L	20.0		100	84-123	2.07	25	
Trichlorofluoromethane	18.6	0.20	0.50	ug/L	20.0		93.2	74-130	0.961	25	
1,2,3-Trichloropropane	21.3	0.40	0.50	ug/L	20.0		106	78-122	1.61	25	
Trichlorotrifluoroethane	20.0	0.20	0.50	ug/L	20.0		100	82-125	0.200	25	
1,2,4-Trimethylbenzene	20.0	0.40	0.50	ug/L	20.0		100	85-127	0.450	25	
1,3,5-Trimethylbenzene	19.7	0.30	0.50	ug/L	20.0		98.4	80-125	0.456	25	
Vinyl acetate	40.3	0.80	1.0	ug/L	40.0		101	60-140	0.124	25	
Vinyl chloride	20.3	0.40	0.50	ug/L	20.0		102	70-130	6.84	25	
m,p-Xylene	44.4	0.50	0.50	ug/L	40.0		111	81-124	1.52	25	
o-Xylene	21.7	0.40	0.50	ug/L	20.0		108	80-126	0.827	25	
Xylenes (total)	66.1	0.50	0.50	ug/L	60.0		110	81-126	1.29	25	
Surrogate: Bromofluorobenzene	25.6			ug/L	25.0		103	70-130			
Surrogate: Dibromofluoromethane	24.1			ug/L	25.0		96.4	70-130			
Surrogate: Toluene-d8	24.8			ug/L	25.0		99.2	70-130			

Matrix Spike (AC04168-MS1)

Source: 20C1757-02

Prepared: 03/17/20 Analyzed: 03/18/20

Acetone	71.9	3.0	5.0	ug/L	80.0	ND	89.9	32-164			
Acetonitrile	1660	50	100	ug/L	2000	ND	83.0	70-130			
Acrylonitrile	21.1	0.40	5.0	ug/L	20.0	ND	105	70-130			
Allyl chloride	20.6	0.40	10	ug/L	20.0	ND	103	70-130			
Benzene	21.0	0.30	0.30	ug/L	20.0	ND	105	58-139			
Bromobenzene	21.0	0.40	0.50	ug/L	20.0	ND	105	63-143			
Bromochloromethane	20.8	0.40	0.50	ug/L	20.0	ND	104	60-141			
Bromodichloromethane	20.0	0.40	0.50	ug/L	20.0	ND	100	62-140			
Bromoform	20.4	0.30	0.50	ug/L	20.0	ND	102	47-165			
Bromomethane	18.0	0.40	0.50	ug/L	20.0	ND	90.2	30-163			
n-Butylbenzene	22.1	0.40	0.50	ug/L	20.0	ND	111	57-147			
sec-Butylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	64-155			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Matrix Spike (AC04168-MS1)	Source: 20C1757-02			Prepared: 03/17/20 Analyzed: 03/18/20							
tert-Butylbenzene	20.6	0.30	0.50	ug/L	20.0	ND	103	57-150			
Carbon disulfide	22.9	0.40	5.0	ug/L	20.0	ND	114	70-130			
Carbon tetrachloride	24.9	0.40	0.50	ug/L	20.0	ND	125	65-153			
Chlorobenzene	21.0	0.30	0.50	ug/L	20.0	ND	105	58-137			
Chloroethane	17.4	0.40	0.50	ug/L	20.0	ND	87.0	59-141			
2-Chloroethylvinyl ether	43.5	0.70	1.0	ug/L	40.0	ND	109	73-107			QM-05
Chloroform	21.1	0.40	0.50	ug/L	20.0	ND	105	36-151			
Chloromethane	15.4	0.40	0.50	ug/L	20.0	ND	77.0	69-149			
Chloroprene	22.4	0.40	1.0	ug/L	20.0	ND	112	70-130			
2-Chlorotoluene	22.1	0.40	0.50	ug/L	20.0	ND	111	54-150			
4-Chlorotoluene	22.4	0.30	0.50	ug/L	20.0	ND	112	59-140			
Dibromochloromethane	21.0	0.40	0.50	ug/L	20.0	ND	105	54-157			
1,2-Dibromo-3-chloropropane	21.2	0.60	2.0	ug/L	20.0	ND	106	54-137			
1,2-Dibromoethane (EDB)	22.2	0.40	0.50	ug/L	20.0	ND	111	40-147			
Dibromomethane	20.4	0.40	0.50	ug/L	20.0	ND	102	59-139			
1,2-Dichlorobenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	39-145			
1,3-Dichlorobenzene	20.7	0.40	0.50	ug/L	20.0	ND	104	54-137			
1,4-Dichlorobenzene	21.0	0.10	0.50	ug/L	20.0	ND	105	41-142			
trans-1,4-Dichloro-2-butene	22.4	0.50	5.0	ug/L	20.0	ND	112	70-130			
Dichlorodifluoromethane	19.8	0.40	0.50	ug/L	20.0	ND	99.1	39-162			
1,1-Dichloroethane	20.5	0.30	0.50	ug/L	20.0	ND	103	39-146			
1,2-Dichloroethane	19.2	0.40	0.50	ug/L	20.0	ND	96.2	58-133			
1,1-Dichloroethene	20.3	0.30	0.50	ug/L	20.0	ND	102	70-154			
cis-1,2-Dichloroethene	19.9	0.40	0.50	ug/L	20.0	ND	99.5	66-141			
trans-1,2-Dichloroethene	20.0	0.40	0.50	ug/L	20.0	ND	99.8	59-151			
1,2-Dichloropropane	20.3	0.40	0.50	ug/L	20.0	ND	102	41-142			
1,3-Dichloropropane	21.3	0.40	0.50	ug/L	20.0	ND	106	62-139			
2,2-Dichloropropane	19.1	0.50	0.50	ug/L	20.0	ND	95.5	40-167			
1,1-Dichloropropene	23.9	0.40	0.50	ug/L	20.0	ND	120	58-148			
cis-1,3-Dichloropropene	20.3	0.40	0.50	ug/L	20.0	ND	102	50-140			
trans-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0	ND	102	40-144			
Diethyl ether	20.8	0.20	1.0	ug/L	20.0	ND	104	70-130			
Di-isopropyl ether	22.9	0.40	0.50	ug/L	20.0	ND	114	49-143			
Ethanol	1040	20	50	ug/L	980	ND	106	50-150			
Ethyl methacrylate	20.7	0.70	10	ug/L	20.0	ND	104	70-130			
Ethylbenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	59-147			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Matrix Spike (AC04168-MS1)	Source: 20C1757-02			Prepared: 03/17/20		Analyzed: 03/18/20		
Ethyl tert-butyl ether	19.4	0.40	0.50	ug/L	20.0	ND	97.2	44-143
Hexachlorobutadiene	23.2	0.50	0.50	ug/L	20.0	ND	116	56-149
Hexachloroethane	23.4	0.40	1.0	ug/L	20.0	ND	117	70-130
2-Hexanone	20.3	0.50	5.0	ug/L	20.0	ND	102	70-130
Isopropylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	56-134
Isobutanol	2410	40	100	ug/L	2000	ND	120	70-130
p-Isopropyltoluene	20.6	0.40	0.50	ug/L	20.0	ND	103	54-148
Methylene chloride	20.4	0.50	0.50	ug/L	20.0	ND	102	43-143
Methacrylonitrile	21.0	0.40	1.0	ug/L	20.0	ND	105	70-130
Methyl ethyl ketone	39.8	0.70	1.0	ug/L	40.0	ND	99.4	62-126
Methyl iodide	22.3	0.40	2.0	ug/L	20.0	ND	111	70-130
Methyl methacrylate	24.5	0.40	1.0	ug/L	20.0	ND	123	70-130
Methyl isobutyl ketone	38.8	0.60	1.0	ug/L	40.0	ND	97.0	66-127
Naphthalene	21.5	0.50	0.50	ug/L	20.0	ND	107	52-157
Methyl tert-butyl ether	18.3	0.50	0.50	ug/L	20.0	ND	91.4	55-144
Propionitrile	1060	20	50	ug/L	1000	ND	106	70-130
n-Propylbenzene	20.0	0.40	0.50	ug/L	20.0	ND	99.8	55-145
Styrene	20.7	0.40	0.50	ug/L	20.0	ND	104	51-157
Tert-amyl methyl ether	18.3	0.40	0.50	ug/L	20.0	ND	91.4	41-136
Tert-butyl alcohol	413	6.0	10	ug/L	400	ND	103	38-175
1,1,1,2-Tetrachloroethane	19.2	0.40	0.50	ug/L	20.0	ND	96.2	58-146
1,1,2,2-Tetrachloroethane	20.8	0.30	0.50	ug/L	20.0	ND	104	73-127
Tetrachloroethene	21.5	0.40	0.50	ug/L	20.0	ND	108	49-148
Tetrahydrofuran	22.4	0.40	5.0	ug/L	20.0	ND	112	70-130
Toluene	22.6	0.30	0.30	ug/L	20.0	ND	113	59-147
1,2,3-Trichlorobenzene	24.3	0.50	0.50	ug/L	20.0	ND	122	50-161
1,2,4-Trichlorobenzene	24.6	0.20	0.50	ug/L	20.0	ND	123	50-150
1,1,1-Trichloroethane	21.8	0.40	0.50	ug/L	20.0	ND	109	38-164
1,1,2-Trichloroethane	20.7	0.40	0.50	ug/L	20.0	ND	103	46-136
Trichloroethene	21.7	0.40	0.50	ug/L	20.0	0.680	105	58-140
Trichlorofluoromethane	19.8	0.20	0.50	ug/L	20.0	ND	98.8	56-144
1,2,3-Trichloropropane	20.2	0.40	0.50	ug/L	20.0	ND	101	61-139
Trichlorotrifluoroethane	22.3	0.20	0.50	ug/L	20.0	1.53	104	59-139
1,2,4-Trimethylbenzene	20.6	0.40	0.50	ug/L	20.0	ND	103	58-152
1,3,5-Trimethylbenzene	20.3	0.30	0.50	ug/L	20.0	ND	102	58-148
Vinyl acetate	37.3	0.80	1.0	ug/L	40.0	ND	93.2	70-130

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Matrix Spike (AC04168-MS1)	Source: 20C1757-02			Prepared: 03/17/20 Analyzed: 03/18/20						
Vinyl chloride	15.3	0.40	0.50	ug/L	20.0	ND	76.4	53-160		
m,p-Xylene	46.0	0.50	0.50	ug/L	40.0	ND	115	53-147		
o-Xylene	22.1	0.40	0.50	ug/L	20.0	ND	110	55-148		
Xylenes (total)	68.1	0.50	0.50	ug/L	60.0	ND	114	49-153		
Surrogate: Bromofluorobenzene	25.2			ug/L	25.0		101	70-130		
Surrogate: Dibromofluoromethane	22.7			ug/L	25.0		90.8	70-130		
Surrogate: Toluene-d8	24.6			ug/L	25.0		98.2	70-130		

Matrix Spike Dup (AC04168-MSD1)	Source: 20C1757-02			Prepared: 03/17/20 Analyzed: 03/18/20							
Acetone	74.4	3.0	5.0	ug/L	80.0	ND	93.0	32-164	3.42	25	
Acetonitrile	1570	50	100	ug/L	2000	ND	78.4	70-130	5.63	25	
Allyl chloride	24.0	0.40	10	ug/L	20.0	ND	120	70-130	15.4	25	
Acrylonitrile	23.0	0.40	5.0	ug/L	20.0	ND	115	70-130	8.53	25	
Benzene	23.0	0.30	0.30	ug/L	20.0	ND	115	58-139	9.23	25	
Bromobenzene	23.0	0.40	0.50	ug/L	20.0	ND	115	63-143	9.10	25	
Bromochloromethane	23.2	0.40	0.50	ug/L	20.0	ND	116	60-141	10.9	25	
Bromodichloromethane	22.8	0.40	0.50	ug/L	20.0	ND	114	62-140	13.1	25	
Bromoform	23.0	0.30	0.50	ug/L	20.0	ND	115	47-165	12.2	25	
Bromomethane	23.9	0.40	0.50	ug/L	20.0	ND	119	30-163	27.8	25	QM-05
n-Butylbenzene	23.5	0.40	0.50	ug/L	20.0	ND	118	57-147	6.09	25	
sec-Butylbenzene	24.7	0.40	0.50	ug/L	20.0	ND	124	64-155	6.18	25	
tert-Butylbenzene	22.2	0.30	0.50	ug/L	20.0	ND	111	57-150	7.39	25	
Carbon disulfide	25.7	0.40	5.0	ug/L	20.0	ND	128	70-130	11.4	30	
Carbon tetrachloride	29.0	0.40	0.50	ug/L	20.0	ND	145	65-153	15.1	25	
Chlorobenzene	22.9	0.30	0.50	ug/L	20.0	ND	114	58-137	8.53	25	
Chloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.6	59-141	5.21	25	
2-Chloroethylvinyl ether	49.5	0.70	1.0	ug/L	40.0	ND	124	73-107	12.8	30	QM-05
Chloroform	23.2	0.40	0.50	ug/L	20.0	ND	116	36-151	9.75	25	
Chloromethane	16.6	0.40	0.50	ug/L	20.0	ND	83.0	69-149	7.44	25	
Chloroprene	25.4	0.40	1.0	ug/L	20.0	ND	127	70-130	12.3	25	
2-Chlorotoluene	23.9	0.40	0.50	ug/L	20.0	ND	120	54-150	7.82	25	
4-Chlorotoluene	24.2	0.30	0.50	ug/L	20.0	ND	121	59-140	7.80	25	
Dibromochloromethane	23.9	0.40	0.50	ug/L	20.0	ND	119	54-157	12.6	25	
1,2-Dibromo-3-chloropropane	23.8	0.60	2.0	ug/L	20.0	ND	119	54-137	11.9	25	
1,2-Dibromoethane (EDB)	24.4	0.40	0.50	ug/L	20.0	ND	122	40-147	9.53	25	
Dibromomethane	23.2	0.40	0.50	ug/L	20.0	ND	116	59-139	12.7	25	
1,2-Dichlorobenzene	23.7	0.40	0.50	ug/L	20.0	ND	118	39-145	9.15	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Matrix Spike Dup (AC04168-MSD1)	Source: 20C1757-02			Prepared: 03/17/20 Analyzed: 03/18/20							
1,3-Dichlorobenzene	22.2	0.40	0.50	ug/L	20.0	ND	111	54-137	6.85	25	
1,4-Dichlorobenzene	23.2	0.10	0.50	ug/L	20.0	ND	116	41-142	9.73	25	
trans-1,4-Dichloro-2-butene	24.6	0.50	5.0	ug/L	20.0	ND	123	70-130	9.38	25	
Dichlorodifluoromethane	21.7	0.40	0.50	ug/L	20.0	ND	108	39-162	8.96	25	
1,1-Dichloroethane	22.7	0.30	0.50	ug/L	20.0	ND	114	39-146	10.1	25	
1,2-Dichloroethane	21.3	0.40	0.50	ug/L	20.0	ND	106	58-133	10.2	25	
1,1-Dichloroethene	22.2	0.30	0.50	ug/L	20.0	ND	111	70-154	8.70	25	
cis-1,2-Dichloroethene	22.0	0.40	0.50	ug/L	20.0	ND	110	66-141	9.98	25	
trans-1,2-Dichloroethene	22.4	0.40	0.50	ug/L	20.0	ND	112	59-151	11.5	25	
1,2-Dichloropropane	22.5	0.40	0.50	ug/L	20.0	ND	113	41-142	10.4	25	
1,3-Dichloropropane	23.4	0.40	0.50	ug/L	20.0	ND	117	62-139	9.62	25	
2,2-Dichloropropane	22.2	0.50	0.50	ug/L	20.0	ND	111	40-167	14.9	25	
1,1-Dichloropropene	26.5	0.40	0.50	ug/L	20.0	ND	133	58-148	10.4	25	
cis-1,3-Dichloropropene	23.3	0.40	0.50	ug/L	20.0	ND	116	50-140	13.7	25	
trans-1,3-Dichloropropene	23.2	0.40	0.50	ug/L	20.0	ND	116	40-144	12.8	25	
Diethyl ether	22.7	0.20	1.0	ug/L	20.0	ND	114	70-130	9.15	25	
Di-isopropyl ether	25.6	0.40	0.50	ug/L	20.0	ND	128	49-143	11.3	25	
Ethanol	859	20	50	ug/L	980	ND	87.7	50-150	18.8	25	
Ethyl methacrylate	23.5	0.70	10	ug/L	20.0	ND	118	70-130	12.8	25	
Ethylbenzene	25.2	0.40	0.50	ug/L	20.0	ND	126	59-147	10.1	25	
Hexachloroethane	25.5	0.40	1.0	ug/L	20.0	ND	127	70-130	8.43	25	
Hexachlorobutadiene	24.0	0.50	0.50	ug/L	20.0	ND	120	56-149	3.22	25	
Ethyl tert-butyl ether	22.2	0.40	0.50	ug/L	20.0	ND	111	44-143	13.2	25	
2-Hexanone	22.0	0.50	5.0	ug/L	20.0	ND	110	70-130	7.66	30	
Isopropylbenzene	25.2	0.40	0.50	ug/L	20.0	ND	126	56-134	8.48	25	
Isobutanol	2570	40	100	ug/L	2000	ND	128	70-130	6.40	25	
p-Isopropyltoluene	21.8	0.40	0.50	ug/L	20.0	ND	109	54-148	5.75	25	
Methylene chloride	22.0	0.50	0.50	ug/L	20.0	ND	110	43-143	7.74	25	
Methacrylonitrile	23.0	0.40	1.0	ug/L	20.0	ND	115	70-130	9.36	25	
Methyl ethyl ketone	44.1	0.70	1.0	ug/L	40.0	ND	110	62-126	10.4	25	
Methyl iodide	24.2	0.40	2.0	ug/L	20.0	ND	121	70-130	8.43	30	
Methyl isobutyl ketone	43.4	0.60	1.0	ug/L	40.0	ND	108	66-127	11.1	25	
Methyl methacrylate	28.1	0.40	1.0	ug/L	20.0	ND	140	70-130	13.6	25	QM-05
Propionitrile	1130	20	50	ug/L	1000	ND	113	70-130	6.63	25	
Methyl tert-butyl ether	21.8	0.50	0.50	ug/L	20.0	ND	109	55-144	17.5	25	
Naphthalene	23.6	0.50	0.50	ug/L	20.0	ND	118	52-157	9.33	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Silicone Batch Number 2019052002	Reported: 03/24/20 09:02
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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 AC04168 - VOAs in Water GCMS

Matrix Spike Dup (AC04168-MSD1)	Source: 20C1757-02			Prepared: 03/17/20 Analyzed: 03/18/20							
n-Propylbenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	55-145	7.85	25	
Styrene	22.6	0.40	0.50	ug/L	20.0	ND	113	51-157	8.59	25	
Tert-amyl methyl ether	21.0	0.40	0.50	ug/L	20.0	ND	105	41-136	13.8	25	
Tert-butyl alcohol	480	6.0	10	ug/L	400	ND	120	38-175	14.9	25	
1,1,1,2-Tetrachloroethane	21.1	0.40	0.50	ug/L	20.0	ND	106	58-146	9.27	25	
1,1,2,2-Tetrachloroethane	22.7	0.30	0.50	ug/L	20.0	ND	113	73-127	8.75	25	
Tetrachloroethene	23.6	0.40	0.50	ug/L	20.0	ND	118	49-148	9.26	25	
Tetrahydrofuran	21.6	0.40	5.0	ug/L	20.0	ND	108	70-130	3.72	25	
Toluene	24.8	0.30	0.30	ug/L	20.0	ND	124	59-147	9.46	25	
1,2,4-Trichlorobenzene	26.6	0.20	0.50	ug/L	20.0	ND	133	50-150	7.86	25	
1,2,3-Trichlorobenzene	25.7	0.50	0.50	ug/L	20.0	ND	128	50-161	5.44	25	
1,1,1-Trichloroethane	25.4	0.40	0.50	ug/L	20.0	ND	127	38-164	15.3	25	
1,1,2-Trichloroethane	23.1	0.40	0.50	ug/L	20.0	ND	116	46-136	11.2	25	
Trichloroethene	24.2	0.40	0.50	ug/L	20.0	0.680	118	58-140	10.6	25	
Trichlorofluoromethane	21.3	0.20	0.50	ug/L	20.0	ND	106	56-144	7.50	25	
1,2,3-Trichloropropane	22.0	0.40	0.50	ug/L	20.0	ND	110	61-139	8.25	25	
Trichlorotrifluoroethane	25.5	0.20	0.50	ug/L	20.0	1.53	120	59-139	13.3	25	
1,2,4-Trimethylbenzene	22.1	0.40	0.50	ug/L	20.0	ND	111	58-152	7.07	25	
1,3,5-Trimethylbenzene	21.8	0.30	0.50	ug/L	20.0	ND	109	58-148	6.99	25	
Vinyl acetate	42.1	0.80	1.0	ug/L	40.0	ND	105	70-130	12.2	25	
Vinyl chloride	20.1	0.40	0.50	ug/L	20.0	ND	100	53-160	27.1	25	QM-05
m,p-Xylene	50.2	0.50	0.50	ug/L	40.0	ND	126	53-147	8.65	25	
o-Xylene	23.8	0.40	0.50	ug/L	20.0	ND	119	55-148	7.46	25	
Xylenes (total)	74.0	0.50	0.50	ug/L	60.0	ND	123	49-153	8.26	25	
Surrogate: Bromofluorobenzene	24.8			ug/L	25.0		99.3	70-130			
Surrogate: Dibromofluoromethane	22.8			ug/L	25.0		91.2	70-130			
Surrogate: Toluene-d8	24.0			ug/L	25.0		95.9	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

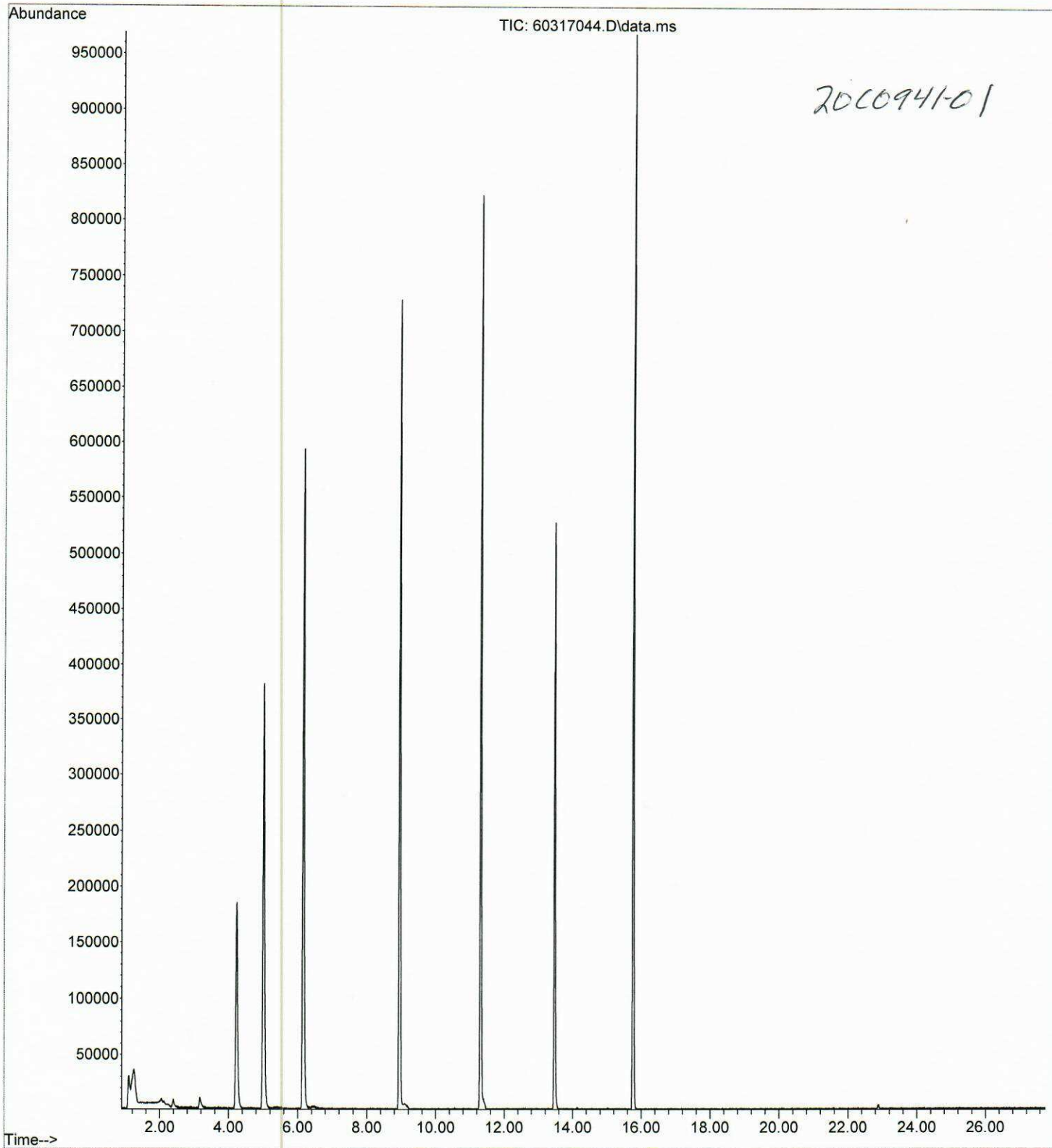
Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2019052002

Reported:
03/24/20 09:02

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:\MassHunter\GCMS\1\data\031720\60317044.D
Operator : JV
Acquired : 18 Mar 2020 09:11 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 20C0941-01
Misc Info :
Vial Number: 44



File :D:\MassHunter\GCMS\1\data\031920\60319014.D
Operator : SFS
Acquired : 19 Mar 2020 02:42 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 20C0941-02
Misc Info :
Vial Number: 14

