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

22 September 2023

Sample Traps, LLC
Attn: Quality Control Manager
262 Rickenbacker Circle
Livermore, CA 94551
RE: QC- 40ml Amber VOA (NP)
Work Order: 23H3214

Enclosed are the results of analyses for samples received by the laboratory on 08/21/23 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chelsea L. Sandelin
Project Manager

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Sample Traps, LLC	Project Manager:	Quality Control Manager	
262 Rickenbacker Circle	Project:	QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number:	Silicone Batch Number 202304703	09/22/23 08:27

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | 925-828-6226 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | 916-686-5190 | ELAP# 2922
North Bay: 737 Southpoint Blvd Unit D| Petaluma, CA 94954 | 707-769-3128 | ELAP# 2303
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | 760-930-2555 | ELAP# 3055
Los Angeles: 1230 E. 223rd Street Suite 205 | Carson, CA 90745 | 424-267-5032 | ELAP# 3091

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A3220CUBS - 01	23H3214-01	Water	08/21/23 00:00	08/21/23 12:00
A3220CUBS - 02	23H3214-02	Water	08/21/23 00:00	08/21/23 12:00

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 02 (23H3214-02) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											**T-17**
Acetone	ND	2.0	5.0	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Acrylonitrile	ND	0.10	5.0	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Benzene	ND	0.10	0.30	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Bromobenzene	ND	0.080	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Bromochloromethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
n-Butylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
sec-Butylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
tert-Butylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Chlorobenzene	ND	0.040	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Chloroethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Chloroform	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2-Dibromoethane (EDB)	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Dibromomethane	ND	0.080	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
1,2-Dichlorobenzene	ND	0.060	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,3-Dichlorobenzene	ND	0.070	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,4-Dichlorobenzene	ND	0.060	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Dichlorodifluoromethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2-Dichloroethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1-Dichloroethene	ND	0.10	0.30	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2-Dichloropropane	ND	0.080	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,3-Dichloropropane	ND	0.070	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 02 (23H3214-02) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											**T-17**
1,1-Dichloropropene	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Ethylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Isopropylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
p-Isopropyltoluene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Methyl ethyl ketone	ND	0.20	1.0	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551*	U
Methyl isobutyl ketone	ND	0.20	1.0	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Naphthalene	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
n-Propylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Styrene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1,2,2-Tetrachloroethane	ND	0.060	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Tetrachloroethene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Toluene	ND	0.090	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,1,2-Trichloroethane	ND	0.060	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Trichloroethene	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Trichlorotrifluoroethane	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Vinyl chloride	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
o-Xylene	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Xylenes (total)	ND	0.20	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Ethyl tert-butyl ether	ND	0.10	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AI33354	09/06/23 17:30	09/06/23 19:41	EPA 524.2	AR	1551	U
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*			*AI33354*	*09/06/23 17:30*	*09/06/23 19:41*	*EPA 524.2*	*AR*	1551	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 02 (23H3214-02) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											**T-17**
Surrogate: Dibromofluoromethane		*83.6 %*	*70-130*			*AI33354*	*09/06/23 17:30*	*09/06/23 19:41*	*EPA 524.2*	*AR*	1551	
Surrogate: Toluene-d8		*96.3 %*	*70-130*			*AI33354*	*09/06/23 17:30*	*09/06/23 19:41*	*EPA 524.2*	*AR*	1551	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 01 (23H3214-01) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											
Acetone	ND	0.70	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Acetonitrile	ND	20	100	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Acrylonitrile	ND	0.10	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Benzene	ND	0.060	0.30	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Bromobenzene	ND	0.070	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Bromochloromethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Bromodichloromethane	ND	0.080	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Bromoform	ND	0.30	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Bromomethane	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Carbon disulfide	ND	0.10	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Carbon tetrachloride	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Chlorobenzene	ND	0.050	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Chloroethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Chloroform	ND	0.060	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Chloromethane	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
2-Chlorotoluene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
4-Chlorotoluene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Dibromochloromethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2-Dibromo-3-chloropropane	ND	0.20	2.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2-Dibromoethane (EDB)	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Dibromomethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2-Dichlorobenzene	ND	0.060	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,3-Dichlorobenzene	ND	0.080	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,4-Dichlorobenzene	ND	0.050	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
trans-1,4-Dichloro-2-butene	ND	0.20	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Dichlorodifluoromethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1-Dichloroethane	ND	0.080	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1-Dichloroethene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
cis-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
trans-1,2-Dichloroethene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,3-Dichloropropane	ND	0.050	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 01 (23H3214-01) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											
2,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
1,1-Dichloropropene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Di-isopropyl ether	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Ethyl acetate	ND	0.10	2.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Ethylbenzene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Hexachlorobutadiene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
2-Hexanone	ND	0.20	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Isobutanol	ND	40	100	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Isopropyl alcohol	ND	30	100	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Isopropylbenzene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
p-Isopropyltoluene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Methylene chloride	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Methyl ethyl ketone	ND	0.30	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Methyl iodide	ND	0.10	2.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Naphthalene	ND	0.50	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Styrene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1,2,2-Tetrachloroethane	ND	0.080	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Tetrachloroethene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Tetrahydrofuran	ND	0.10	5.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Toluene	ND	0.10	0.30	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,2,3-Trichlorobenzene	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
1,1,2-Trichloroethane	ND	0.080	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Trichloroethene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
A3220CUBS - 01 (23H3214-01) Water	**Sampled: 08/21/23 00:00 Received: 08/21/23 12:00**											
1,2,3-Trichloropropane	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Trichlorotrifluoroethane	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Vinyl acetate	ND	0.20	1.0	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551*	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
m,p-Xylene	ND	0.20	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
o-Xylene	ND	0.10	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AH35143	08/30/23 14:00	08/31/23 06:22	EPA 8260B	JV	1551	U
Surrogate: Bromofluorobenzene		*114 %*	*70-130*			*AH35143*	*08/30/23 14:00*	*08/31/23 06:22*	*EPA 8260B*	*JV*	1551	
Surrogate: Dibromofluoromethane		*108 %*	*70-130*			*AH35143*	*08/30/23 14:00*	*08/31/23 06:22*	*EPA 8260B*	*JV*	1551	
Surrogate: Toluene-d8		*122 %*	*70-130*			*AH35143*	*08/30/23 14:00*	*08/31/23 06:22*	*EPA 8260B*	*JV*	1551	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
Blank (AI33354-BLK1)					Prepared & Analyzed: 09/06/23						
Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.10	5.0	ug/L							U
Benzene	ND	0.10	0.30	ug/L							U
Bromobenzene	ND	0.080	0.50	ug/L							U
Bromochloromethane	ND	0.10	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	0.20	0.50	ug/L							U
sec-Butylbenzene	ND	0.20	0.50	ug/L							U
tert-Butylbenzene	ND	0.20	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	0.040	0.50	ug/L							U
Chloroethane	ND	0.10	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-Dibromoethane (EDB)	ND	0.10	0.50	ug/L							U
Dibromomethane	ND	0.080	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.060	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.070	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.060	0.50	ug/L							U
Dichlorodifluoromethane	ND	0.10	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	0.10	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	0.080	0.50	ug/L							U
1,3-Dichloropropane	ND	0.070	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							U
1,1-Dichloropropene	ND	0.10	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
Blank (AI33354-BLK1)					Prepared & Analyzed: 09/06/23						
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L							U
Ethylbenzene	ND	0.20	0.50	ug/L							U
Hexachlorobutadiene	ND	0.40	0.50	ug/L							U
Isopropylbenzene	ND	0.20	0.50	ug/L							U
p-Isopropyltoluene	ND	0.20	0.50	ug/L							U
Methyl ethyl ketone	ND	0.20	1.0	ug/L							U
Methyl isobutyl ketone	ND	0.20	1.0	ug/L							U
Methylene chloride	ND	0.40	0.50	ug/L							U
Naphthalene	ND	0.30	0.50	ug/L							U
n-Propylbenzene	ND	0.20	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	0.060	0.50	ug/L							U
Tetrachloroethene	ND	0.20	0.50	ug/L							U
Toluene	ND	0.090	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	0.10	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.060	0.50	ug/L							U
Trichloroethene	ND	0.10	0.50	ug/L							U
Trichlorofluoromethane	ND	0.20	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.10	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L							U
Vinyl chloride	ND	0.20	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	0.860	0.50	3.0	ug/L							J
Ethyl tert-butyl ether	ND	0.10	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	*24.1*			*ug/L*	*25.0*		*96.4*	*70-130*			
Surrogate: Dibromofluoromethane	*19.2*			*ug/L*	*25.0*		*76.9*	*70-130*			
Surrogate: Toluene-d8	*23.8*			*ug/L*	*25.0*		*95.1*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
LCS (AI33354-BS1)					Prepared & Analyzed: 09/06/23						
Acetone	23.3	2.0	5.0	ug/L	20.0		117	70-130			
Acrylonitrile	5.21	0.10	5.0	ug/L	5.00		104	70-130			
Benzene	5.16	0.10	0.30	ug/L	5.00		103	70-130			
Bromobenzene	5.40	0.080	0.50	ug/L	5.00		108	70-130			
Bromochloromethane	4.93	0.10	0.50	ug/L	5.00		98.6	70-130			
Bromodichloromethane	4.00	0.20	0.50	ug/L	5.00		80.0	70-130			
Bromoform	4.75	0.30	0.50	ug/L	5.00		95.0	70-130			
Bromomethane	5.36	0.40	0.50	ug/L	5.00		107	70-130			
n-Butylbenzene	5.28	0.20	0.50	ug/L	5.00		106	70-130			
sec-Butylbenzene	5.55	0.20	0.50	ug/L	5.00		111	70-130			
tert-Butylbenzene	5.37	0.20	0.50	ug/L	5.00		107	70-130			
Carbon disulfide	4.91	0.40	0.50	ug/L	5.00		98.2	70-130			
Carbon tetrachloride	3.85	0.30	0.50	ug/L	5.00		77.0	70-130			
Chlorobenzene	5.29	0.040	0.50	ug/L	5.00		106	70-130			
Chloroethane	5.67	0.10	0.50	ug/L	5.00		113	70-130			
Chloroform	4.94	0.30	0.50	ug/L	5.00		98.8	70-130			
Chloromethane	5.61	0.40	0.50	ug/L	5.00		112	70-130			
2-Chlorotoluene	5.38	0.20	0.50	ug/L	5.00		108	70-130			
4-Chlorotoluene	5.35	0.20	0.50	ug/L	5.00		107	70-130			
Dibromochloromethane	3.80	0.30	0.50	ug/L	5.00		76.0	70-130			
1,2-Dibromoethane (EDB)	4.61	0.10	0.50	ug/L	5.00		92.2	70-130			
Dibromomethane	4.94	0.080	0.50	ug/L	5.00		98.8	70-130			
1,2-Dichlorobenzene	5.00	0.060	0.50	ug/L	5.00		100	70-130			
1,3-Dichlorobenzene	5.50	0.070	0.50	ug/L	5.00		110	70-130			
1,4-Dichlorobenzene	5.05	0.060	0.50	ug/L	5.00		101	70-130			
Dichlorodifluoromethane	5.67	0.10	0.50	ug/L	5.00		113	70-130			
1,1-Dichloroethane	4.99	0.20	0.50	ug/L	5.00		99.8	70-130			
1,2-Dichloroethane	5.31	0.10	0.50	ug/L	5.00		106	70-130			
1,1-Dichloroethene	4.96	0.10	0.30	ug/L	5.00		99.2	70-130			
cis-1,2-Dichloroethene	5.00	0.10	0.50	ug/L	5.00		100	70-130			
trans-1,2-Dichloroethene	4.89	0.10	0.50	ug/L	5.00		97.8	70-130			
1,2-Dichloropropane	5.02	0.080	0.50	ug/L	5.00		100	70-130			
1,3-Dichloropropane	5.34	0.070	0.50	ug/L	5.00		107	70-130			
2,2-Dichloropropane	4.78	0.30	0.50	ug/L	5.00		95.6	70-130			
1,1-Dichloropropene	4.35	0.10	0.50	ug/L	5.00		87.0	70-130			
cis-1,3-Dichloropropene	4.51	0.30	0.50	ug/L	5.00		90.2	70-130			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
LCS (AI33354-BS1)					Prepared & Analyzed: 09/06/23						
trans-1,3-Dichloropropene	4.91	0.30	0.50	ug/L	5.00		98.2	70-130			
Ethylbenzene	5.41	0.20	0.50	ug/L	5.00		108	70-130			
Hexachlorobutadiene	4.59	0.40	0.50	ug/L	5.00		91.8	70-130			
Isopropylbenzene	5.51	0.20	0.50	ug/L	5.00		110	70-130			
p-Isopropyltoluene	5.29	0.20	0.50	ug/L	5.00		106	70-130			
Methyl ethyl ketone	11.5	0.20	1.0	ug/L	10.0		115	70-130			
Methyl isobutyl ketone	9.27	0.20	1.0	ug/L	10.0		92.7	70-130			
Methylene chloride	4.59	0.40	0.50	ug/L	5.00		91.8	70-130			
Naphthalene	4.71	0.30	0.50	ug/L	5.00		94.2	70-130			
n-Propylbenzene	5.57	0.20	0.50	ug/L	5.00		111	70-130			
Styrene	5.61	0.20	0.50	ug/L	5.00		112	70-130			
1,1,1,2-Tetrachloroethane	4.32	0.40	0.50	ug/L	5.00		86.4	70-130			
1,1,2,2-Tetrachloroethane	5.01	0.060	0.50	ug/L	5.00		100	70-130			
Tetrachloroethene	5.29	0.20	0.50	ug/L	5.00		106	70-130			
Toluene	5.53	0.090	0.50	ug/L	5.00		111	70-130			
1,2,3-Trichlorobenzene	4.73	0.40	0.50	ug/L	5.00		94.6	70-130			
1,2,4-Trichlorobenzene	4.80	0.40	0.50	ug/L	5.00		96.0	70-130			
1,1,1-Trichloroethane	4.58	0.10	0.50	ug/L	5.00		91.6	70-130			
1,1,2-Trichloroethane	5.47	0.060	0.50	ug/L	5.00		109	70-130			
Trichloroethene	4.98	0.10	0.50	ug/L	5.00		99.6	70-130			
Trichlorofluoromethane	4.98	0.20	0.50	ug/L	5.00		99.6	70-130			
Trichlorotrifluoroethane	5.02	0.10	0.50	ug/L	5.00		100	70-130			
1,2,4-Trimethylbenzene	5.59	0.20	0.50	ug/L	5.00		112	70-130			
1,3,5-Trimethylbenzene	5.30	0.30	0.50	ug/L	5.00		106	70-130			
Vinyl chloride	4.87	0.20	0.50	ug/L	5.00		97.4	70-130			
m,p-Xylene	11.2	0.20	0.50	ug/L	10.0		112	70-130			
o-Xylene	5.52	0.20	0.50	ug/L	5.00		110	70-130			
Xylenes (total)	16.8	0.20	0.50	ug/L	15.0		112	70-130			
Methyl tert-butyl ether	4.55	0.50	3.0	ug/L	5.00		91.0	70-130			
Ethyl tert-butyl ether	4.96	0.10	0.50	ug/L	5.00		99.2	70-130			
Tert-amyl methyl ether	5.04	0.30	0.50	ug/L	5.00		101	70-130			
Surrogate: Bromofluorobenzene	*26.3*			*ug/L*	*25.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*21.9*			*ug/L*	*25.0*		*87.6*	*70-130*			
Surrogate: Toluene-d8	*24.0*			*ug/L*	*25.0*		*96.0*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
LCS Dup (AI33354-BSD1)					Prepared & Analyzed: 09/06/23						
Acetone	21.2	2.0	5.0	ug/L	20.0		106	70-130	9.25	30	
Acrylonitrile	5.18	0.10	5.0	ug/L	5.00		104	70-130	0.577	30	
Benzene	4.66	0.10	0.30	ug/L	5.00		93.2	70-130	10.2	30	
Bromobenzene	5.19	0.080	0.50	ug/L	5.00		104	70-130	3.97	30	
Bromochloromethane	4.68	0.10	0.50	ug/L	5.00		93.6	70-130	5.20	30	
Bromodichloromethane	3.77	0.20	0.50	ug/L	5.00		75.4	70-130	5.92	30	
Bromoform	4.88	0.30	0.50	ug/L	5.00		97.6	70-130	2.70	30	
Bromomethane	4.86	0.40	0.50	ug/L	5.00		97.2	70-130	9.78	30	
n-Butylbenzene	4.77	0.20	0.50	ug/L	5.00		95.4	70-130	10.1	30	
sec-Butylbenzene	5.05	0.20	0.50	ug/L	5.00		101	70-130	9.43	30	
tert-Butylbenzene	4.94	0.20	0.50	ug/L	5.00		98.8	70-130	8.34	30	
Carbon disulfide	4.47	0.40	0.50	ug/L	5.00		89.4	70-130	9.38	30	
Carbon tetrachloride	3.77	0.30	0.50	ug/L	5.00		75.4	70-130	2.10	30	
Chlorobenzene	5.07	0.040	0.50	ug/L	5.00		101	70-130	4.25	30	
Chloroethane	5.19	0.10	0.50	ug/L	5.00		104	70-130	8.84	30	
Chloroform	4.66	0.30	0.50	ug/L	5.00		93.2	70-130	5.83	30	
Chloromethane	5.19	0.40	0.50	ug/L	5.00		104	70-130	7.78	30	
2-Chlorotoluene	5.16	0.20	0.50	ug/L	5.00		103	70-130	4.17	30	
4-Chlorotoluene	5.05	0.20	0.50	ug/L	5.00		101	70-130	5.77	30	
Dibromochloromethane	3.74	0.30	0.50	ug/L	5.00		74.8	70-130	1.59	30	
1,2-Dibromoethane (EDB)	4.54	0.10	0.50	ug/L	5.00		90.8	70-130	1.53	25	
Dibromomethane	4.94	0.080	0.50	ug/L	5.00		98.8	70-130	0.00	30	
1,2-Dichlorobenzene	4.87	0.060	0.50	ug/L	5.00		97.4	70-130	2.63	30	
1,3-Dichlorobenzene	5.20	0.070	0.50	ug/L	5.00		104	70-130	5.61	30	
1,4-Dichlorobenzene	4.80	0.060	0.50	ug/L	5.00		96.0	70-130	5.08	30	
Dichlorodifluoromethane	4.94	0.10	0.50	ug/L	5.00		98.8	70-130	13.8	30	
1,1-Dichloroethane	4.59	0.20	0.50	ug/L	5.00		91.8	70-130	8.35	30	
1,2-Dichloroethane	5.19	0.10	0.50	ug/L	5.00		104	70-130	2.29	30	
1,1-Dichloroethene	4.47	0.10	0.30	ug/L	5.00		89.4	70-130	10.4	30	
cis-1,2-Dichloroethene	4.72	0.10	0.50	ug/L	5.00		94.4	70-130	5.76	30	
trans-1,2-Dichloroethene	4.36	0.10	0.50	ug/L	5.00		87.2	70-130	11.5	30	
1,2-Dichloropropane	4.82	0.080	0.50	ug/L	5.00		96.4	70-130	4.07	30	
1,3-Dichloropropane	5.37	0.070	0.50	ug/L	5.00		107	70-130	0.560	30	
2,2-Dichloropropane	4.23	0.30	0.50	ug/L	5.00		84.6	70-130	12.2	30	
1,1-Dichloropropene	3.84	0.10	0.50	ug/L	5.00		76.8	70-130	12.5	30	
cis-1,3-Dichloropropene	4.14	0.30	0.50	ug/L	5.00		82.8	70-130	8.55	30	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
LCS Dup (AI33354-BSD1)					Prepared & Analyzed: 09/06/23						
trans-1,3-Dichloropropene	4.88	0.30	0.50	ug/L	5.00		97.6	70-130	0.613	30	
Ethylbenzene	4.99	0.20	0.50	ug/L	5.00		99.8	70-130	8.08	30	
Hexachlorobutadiene	4.29	0.40	0.50	ug/L	5.00		85.8	70-130	6.76	30	
Isopropylbenzene	5.08	0.20	0.50	ug/L	5.00		102	70-130	8.12	30	
p-Isopropyltoluene	4.87	0.20	0.50	ug/L	5.00		97.4	70-130	8.27	30	
Methyl ethyl ketone	11.1	0.20	1.0	ug/L	10.0		111	70-130	3.45	30	
Methyl isobutyl ketone	10.3	0.20	1.0	ug/L	10.0		103	70-130	10.7	30	
Methylene chloride	4.39	0.40	0.50	ug/L	5.00		87.8	70-130	4.45	30	
Naphthalene	4.56	0.30	0.50	ug/L	5.00		91.2	70-130	3.24	30	
n-Propylbenzene	5.10	0.20	0.50	ug/L	5.00		102	70-130	8.81	30	
Styrene	5.40	0.20	0.50	ug/L	5.00		108	70-130	3.81	30	
1,1,1,2-Tetrachloroethane	4.13	0.40	0.50	ug/L	5.00		82.6	70-130	4.50	30	
1,1,2,2-Tetrachloroethane	5.07	0.060	0.50	ug/L	5.00		101	70-130	1.19	30	
Tetrachloroethene	4.89	0.20	0.50	ug/L	5.00		97.8	70-130	7.86	30	
Toluene	5.08	0.090	0.50	ug/L	5.00		102	70-130	8.48	30	
1,2,3-Trichlorobenzene	4.59	0.40	0.50	ug/L	5.00		91.8	70-130	3.00	30	
1,2,4-Trichlorobenzene	4.49	0.40	0.50	ug/L	5.00		89.8	70-130	6.67	30	
1,1,1-Trichloroethane	4.21	0.10	0.50	ug/L	5.00		84.2	70-130	8.42	30	
1,1,2-Trichloroethane	5.54	0.060	0.50	ug/L	5.00		111	70-130	1.27	30	
Trichloroethene	4.56	0.10	0.50	ug/L	5.00		91.2	70-130	8.81	30	
Trichlorofluoromethane	4.37	0.20	0.50	ug/L	5.00		87.4	70-130	13.0	30	
Trichlorotrifluoroethane	4.49	0.10	0.50	ug/L	5.00		89.8	70-130	11.1	30	
1,2,4-Trimethylbenzene	5.23	0.20	0.50	ug/L	5.00		105	70-130	6.65	30	
1,3,5-Trimethylbenzene	4.95	0.30	0.50	ug/L	5.00		99.0	70-130	6.83	30	
Vinyl chloride	4.07	0.20	0.50	ug/L	5.00		81.4	70-130	17.9	30	
m,p-Xylene	10.5	0.20	0.50	ug/L	10.0		105	70-130	7.09	30	
o-Xylene	5.24	0.20	0.50	ug/L	5.00		105	70-130	5.20	30	
Xylenes (total)	15.7	0.20	0.50	ug/L	15.0		105	70-130	6.47	30	
Methyl tert-butyl ether	4.54	0.50	3.0	ug/L	5.00		90.8	70-130	0.220	30	
Ethyl tert-butyl ether	5.11	0.10	0.50	ug/L	5.00		102	70-130	2.98	30	
Tert-amyl methyl ether	5.00	0.30	0.50	ug/L	5.00		100	70-130	0.797	30	
Surrogate: Bromofluorobenzene	*26.2*			*ug/L*	*25.0*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*			*ug/L*	*25.0*		*87.2*	*70-130*			
Surrogate: Toluene-d8	*24.0*			*ug/L*	*25.0*		*95.8*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
Matrix Spike (AI33354-MS1)		**Source: 23H4082-01**			Prepared & Analyzed: 09/06/23						
Acetone	28.1	2.0	5.0	ug/L	20.0	ND	140	70-130			QM-07
Acrylonitrile	4.82	0.10	5.0	ug/L	5.00	ND	96.4	70-130			J
Benzene	5.47	0.10	0.30	ug/L	5.00	ND	109	70-130			
Bromobenzene	5.76	0.080	0.50	ug/L	5.00	ND	115	70-130			
Bromochloromethane	5.07	0.10	0.50	ug/L	5.00	ND	101	70-130			
Bromodichloromethane	4.08	0.20	0.50	ug/L	5.00	ND	81.6	70-130			
Bromoform	4.31	0.30	0.50	ug/L	5.00	ND	86.2	70-130			
Bromomethane	5.85	0.40	0.50	ug/L	5.00	ND	117	70-130			
n-Butylbenzene	5.81	0.20	0.50	ug/L	5.00	ND	116	70-130			
sec-Butylbenzene	6.43	0.20	0.50	ug/L	5.00	ND	129	70-130			
tert-Butylbenzene	6.17	0.20	0.50	ug/L	5.00	ND	123	70-130			
Carbon disulfide	4.87	0.40	0.50	ug/L	5.00	ND	97.4	70-130			
Carbon tetrachloride	5.02	0.30	0.50	ug/L	5.00	ND	100	70-130			
Chlorobenzene	5.72	0.040	0.50	ug/L	5.00	ND	114	70-130			
Chloroethane	7.08	0.10	0.50	ug/L	5.00	ND	142	70-130			QM-07
Chloroform	7.78	0.30	0.50	ug/L	5.00	2.38	108	70-130			
Chloromethane	5.90	0.40	0.50	ug/L	5.00	ND	118	70-130			
2-Chlorotoluene	6.08	0.20	0.50	ug/L	5.00	ND	122	70-130			
4-Chlorotoluene	5.96	0.20	0.50	ug/L	5.00	ND	119	70-130			
Dibromochloromethane	3.53	0.30	0.50	ug/L	5.00	ND	70.6	70-130			
1,2-Dibromoethane (EDB)	4.26	0.10	0.50	ug/L	5.00	ND	85.2	70-130			
Dibromomethane	4.92	0.080	0.50	ug/L	5.00	ND	98.4	70-130			
1,2-Dichlorobenzene	5.39	0.060	0.50	ug/L	5.00	ND	108	70-130			
1,3-Dichlorobenzene	6.01	0.070	0.50	ug/L	5.00	ND	120	70-130			
1,4-Dichlorobenzene	5.26	0.060	0.50	ug/L	5.00	ND	105	70-130			
Dichlorodifluoromethane	8.19	0.10	0.50	ug/L	5.00	ND	164	70-130			QM-07
1,1-Dichloroethane	5.02	0.20	0.50	ug/L	5.00	ND	100	70-130			
1,2-Dichloroethane	5.53	0.10	0.50	ug/L	5.00	ND	111	70-130			
1,1-Dichloroethene	5.36	0.10	0.30	ug/L	5.00	ND	107	70-130			
cis-1,2-Dichloroethene	5.32	0.10	0.50	ug/L	5.00	ND	106	70-130			
trans-1,2-Dichloroethene	5.02	0.10	0.50	ug/L	5.00	ND	100	70-130			
1,2-Dichloropropane	5.09	0.080	0.50	ug/L	5.00	ND	102	70-130			
1,3-Dichloropropane	5.30	0.070	0.50	ug/L	5.00	ND	106	70-130			
2,2-Dichloropropane	4.72	0.30	0.50	ug/L	5.00	ND	94.4	70-130			
1,1-Dichloropropene	5.45	0.10	0.50	ug/L	5.00	ND	109	70-130			
cis-1,3-Dichloropropene	4.28	0.30	0.50	ug/L	5.00	ND	85.6	70-130			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AI33354 - VOAs in Water GCMS											
Matrix Spike (AI33354-MS1)		**Source: 23H4082-01**			Prepared & Analyzed: 09/06/23						
trans-1,3-Dichloropropene	4.80	0.30	0.50	ug/L	5.00	ND	96.0	70-130			
Ethylbenzene	5.88	0.20	0.50	ug/L	5.00	ND	118	70-130			
Hexachlorobutadiene	4.95	0.40	0.50	ug/L	5.00	ND	99.0	70-130			
Isopropylbenzene	6.11	0.20	0.50	ug/L	5.00	ND	122	70-130			
p-Isopropyltoluene	6.15	0.20	0.50	ug/L	5.00	ND	123	70-130			
Methyl ethyl ketone	9.99	0.20	1.0	ug/L	10.0	ND	99.9	70-130			
Methyl isobutyl ketone	7.20	0.20	1.0	ug/L	10.0	ND	72.0	70-130			
Methylene chloride	4.98	0.40	0.50	ug/L	5.00	ND	99.6	70-130			
Naphthalene	4.77	0.30	0.50	ug/L	5.00	ND	95.4	70-130			
n-Propylbenzene	6.35	0.20	0.50	ug/L	5.00	ND	127	70-130			
Styrene	5.94	0.20	0.50	ug/L	5.00	ND	119	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	4.88	0.060	0.50	ug/L	5.00	ND	97.6	70-130			
Tetrachloroethene	5.81	0.20	0.50	ug/L	5.00	ND	116	70-130			
Toluene	5.99	0.090	0.50	ug/L	5.00	ND	120	70-130			
1,2,3-Trichlorobenzene	5.13	0.40	0.50	ug/L	5.00	ND	103	70-130			
1,2,4-Trichlorobenzene	5.09	0.40	0.50	ug/L	5.00	ND	102	70-130			
1,1,1-Trichloroethane	4.51	0.10	0.50	ug/L	5.00	ND	90.2	70-130			
1,1,2-Trichloroethane	5.53	0.060	0.50	ug/L	5.00	ND	111	70-130			
Trichloroethene	5.45	0.10	0.50	ug/L	5.00	ND	109	70-130			
Trichlorofluoromethane	6.10	0.20	0.50	ug/L	5.00	ND	122	70-130			
Trichlorotrifluoroethane	5.80	0.10	0.50	ug/L	5.00	ND	116	70-130			
1,2,4-Trimethylbenzene	6.37	0.20	0.50	ug/L	5.00	ND	127	70-130			
1,3,5-Trimethylbenzene	6.00	0.30	0.50	ug/L	5.00	ND	120	70-130			
Vinyl chloride	6.64	0.20	0.50	ug/L	5.00	ND	133	70-130			QM-07
m,p-Xylene	12.5	0.20	0.50	ug/L	10.0	ND	125	70-130			
o-Xylene	6.03	0.20	0.50	ug/L	5.00	ND	121	70-130			
Xylenes (total)	18.5	0.20	0.50	ug/L	15.0	ND	123	70-130			
Methyl tert-butyl ether	3.54	0.50	3.0	ug/L	5.00	ND	70.8	70-130			
Ethyl tert-butyl ether	4.76	0.10	0.50	ug/L	5.00	ND	95.2	70-130			
Tert-amyl methyl ether	5.10	0.30	0.50	ug/L	5.00	ND	102	70-130			
Surrogate: Bromofluorobenzene	*26.0*			*ug/L*	*25.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*20.5*			*ug/L*	*25.0*		*82.0*	*70-130*			
Surrogate: Toluene-d8	*23.4*			*ug/L*	*25.0*		*93.6*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Blank (AH35143-BLK1)					Prepared & Analyzed: 08/30/23						
Acetone	ND	0.70	5.0	ug/L							U
Acetonitrile	ND	20	100	ug/L							U
Acrylonitrile	ND	0.10	5.0	ug/L							U
Benzene	ND	0.060	0.30	ug/L							U
Bromobenzene	ND	0.070	0.50	ug/L							U
Bromochloromethane	ND	0.10	0.50	ug/L							U
Bromodichloromethane	ND	0.080	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	0.10	5.0	ug/L							U
Carbon tetrachloride	ND	0.10	0.50	ug/L							U
Chlorobenzene	ND	0.050	0.50	ug/L							U
Chloroethane	ND	0.10	0.50	ug/L							U
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L							U
Chloroform	ND	0.060	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.10	0.50	ug/L							U
4-Chlorotoluene	ND	0.10	0.50	ug/L							U
Dibromochloromethane	ND	0.10	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.20	2.0	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.10	0.50	ug/L							U
Dibromomethane	ND	0.10	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.060	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.080	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.050	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.20	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.10	0.50	ug/L							U
1,1-Dichloroethane	ND	0.080	0.50	ug/L							U
1,2-Dichloroethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethene	ND	0.10	0.50	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	0.40	0.50	ug/L							U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Blank (AH35143-BLK1)					Prepared & Analyzed: 08/30/23						
1,3-Dichloropropane	ND	0.050	0.50	ug/L							U
2,2-Dichloropropane	ND	0.20	0.50	ug/L							U
1,1-Dichloropropene	ND	0.10	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	0.10	0.50	ug/L							U
Ethyl acetate	ND	0.10	2.0	ug/L							U
Ethylbenzene	ND	0.10	0.50	ug/L							U
Hexachlorobutadiene	ND	0.10	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	0.20	5.0	ug/L							U
Isobutanol	ND	40	100	ug/L							U
Isopropyl alcohol	ND	30	100	ug/L							U
Isopropylbenzene	ND	0.10	0.50	ug/L							U
p-Isopropyltoluene	ND	0.10	0.50	ug/L							U
Methylene chloride	ND	0.20	0.50	ug/L							U
Methyl ethyl ketone	ND	0.30	1.0	ug/L							U
Methyl iodide	ND	0.10	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.40	0.50	ug/L							U
Styrene	ND	0.10	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	0.10	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.080	0.50	ug/L							U
Tetrachloroethene	ND	0.10	0.50	ug/L							U
Tetrahydrofuran	ND	0.10	5.0	ug/L							U
Toluene	ND	0.10	0.30	ug/L							U
1,2,3-Trichlorobenzene	ND	0.20	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.080	0.50	ug/L							U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Blank (AH35143-BLK1)					Prepared & Analyzed: 08/30/23						
Trichloroethene	ND	0.10	0.50	ug/L							U
Trichlorofluoromethane	ND	0.20	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.10	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	0.20	1.0	ug/L							U
Vinyl chloride	ND	0.40	0.50	ug/L							U
m,p-Xylene	ND	0.20	0.50	ug/L							U
o-Xylene	ND	0.10	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Surrogate: Bromofluorobenzene	*27.8*			*ug/L*	*25.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*26.2*			*ug/L*	*25.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*30.7*			*ug/L*	*25.0*		*123*	*70-130*			
LCS (AH35143-BS1)					Prepared & Analyzed: 08/30/23						
Acetone	71.0	0.70	5.0	ug/L	80.0		88.8	48-124			
Acetonitrile	2130	20	100	ug/L	2000		106	70-130			
Acrylonitrile	18.0	0.10	5.0	ug/L	20.0		90.2	70-130			
Benzene	21.0	0.060	0.30	ug/L	20.0		105	82-122			
Bromobenzene	22.3	0.070	0.50	ug/L	20.0		111	83-122			
Bromochloromethane	18.6	0.10	0.50	ug/L	20.0		93.2	83-124			
Bromodichloromethane	19.5	0.080	0.50	ug/L	20.0		97.4	86-135			
Bromoform	20.9	0.30	0.50	ug/L	20.0		104	76-144			
Bromomethane	19.0	0.40	0.50	ug/L	20.0		94.8	69-145			
n-Butylbenzene	20.4	0.40	0.50	ug/L	20.0		102	79-132			
sec-Butylbenzene	23.6	0.40	0.50	ug/L	20.0		118	86-132			
tert-Butylbenzene	21.1	0.30	0.50	ug/L	20.0		105	82-126			
Carbon disulfide	16.8	0.10	5.0	ug/L	20.0		83.8	70-130			
Carbon tetrachloride	19.7	0.10	0.50	ug/L	20.0		98.6	77-134			
Chlorobenzene	20.2	0.050	0.50	ug/L	20.0		101	84-119			
Chloroethane	18.3	0.10	0.50	ug/L	20.0		91.4	68-133			
2-Chloroethylvinyl ether	36.9	0.70	1.0	ug/L	40.0		92.2	75-130			
Chloroform	19.1	0.060	0.50	ug/L	20.0		95.3	81-122			
Chloromethane	18.8	0.40	0.50	ug/L	20.0		94.0	63-129			
2-Chlorotoluene	23.0	0.10	0.50	ug/L	20.0		115	79-132			
4-Chlorotoluene	23.7	0.10	0.50	ug/L	20.0		118	80-122			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
LCS (AH35143-BS1)					Prepared & Analyzed: 08/30/23						
Dibromochloromethane	19.5	0.10	0.50	ug/L	20.0		97.6	83-135			
1,2-Dibromo-3-chloropropane	20.7	0.20	2.0	ug/L	20.0		104	73-128			
1,2-Dibromoethane (EDB)	21.1	0.10	0.50	ug/L	20.0		105	80-120			
Dibromomethane	19.1	0.10	0.50	ug/L	20.0		95.4	82-124			
1,2-Dichlorobenzene	21.4	0.060	0.50	ug/L	20.0		107	84-121			
1,3-Dichlorobenzene	21.9	0.080	0.50	ug/L	20.0		110	80-120			
1,4-Dichlorobenzene	20.2	0.050	0.50	ug/L	20.0		101	84-120			
trans-1,4-Dichloro-2-butene	22.4	0.20	5.0	ug/L	20.0		112	70-130			
Dichlorodifluoromethane	20.2	0.10	0.50	ug/L	20.0		101	52-142			
1,1-Dichloroethane	18.6	0.080	0.50	ug/L	20.0		92.8	81-126			
1,2-Dichloroethane	17.9	0.40	0.50	ug/L	20.0		89.6	77-117			
1,1-Dichloroethene	19.5	0.10	0.50	ug/L	20.0		97.5	71-151			
cis-1,2-Dichloroethene	20.7	0.10	0.50	ug/L	20.0		104	84-131			
trans-1,2-Dichloroethene	17.5	0.10	0.50	ug/L	20.0		87.6	79-128			
1,2-Dichloropropane	20.1	0.40	0.50	ug/L	20.0		100	82-125			
1,3-Dichloropropane	20.9	0.050	0.50	ug/L	20.0		105	83-120			
2,2-Dichloropropane	18.0	0.20	0.50	ug/L	20.0		90.0	80-125			
1,1-Dichloropropene	19.9	0.10	0.50	ug/L	20.0		99.7	85-130			
cis-1,3-Dichloropropene	21.0	0.40	0.50	ug/L	20.0		105	83-128			
trans-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0		101	67-129			
Diethyl ether	16.7	0.20	1.0	ug/L	20.0		83.7	70-130			
Di-isopropyl ether	21.7	0.10	0.50	ug/L	20.0		108	83-132			
Ethyl acetate	21.2	0.10	2.0	ug/L	20.0		106	70-150			
Ethylbenzene	22.3	0.10	0.50	ug/L	20.0		111	84-124			
Ethyl tert-butyl ether	21.2	0.40	0.50	ug/L	20.0		106	74-127			
Hexachloroethane	19.0	0.40	1.0	ug/L	20.0		95.0	70-130			
Hexachlorobutadiene	21.5	0.10	0.50	ug/L	20.0		108	75-135			
2-Hexanone	23.8	0.20	5.0	ug/L	20.0		119	70-130			
Isobutanol	2660	40	100	ug/L	2000		133	70-130			QL-11
Isopropylbenzene	24.4	0.10	0.50	ug/L	20.0		122	75-116			QL-03
p-Isopropyltoluene	24.2	0.10	0.50	ug/L	20.0		121	78-124			
Methylene chloride	16.2	0.20	0.50	ug/L	20.0		81.0	72-132			
Methyl ethyl ketone	44.2	0.30	1.0	ug/L	40.0		110	58-157			
Methyl iodide	15.4	0.10	2.0	ug/L	20.0		76.9	56-167			
Methyl isobutyl ketone	40.6	0.60	1.0	ug/L	40.0		102	70-130			
Methyl tert-butyl ether	18.3	0.50	0.50	ug/L	20.0		91.3	84-119			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
LCS (AH35143-BS1)					Prepared & Analyzed: 08/30/23						
Naphthalene	20.4	0.50	0.50	ug/L	20.0		102	84-134			
n-Propylbenzene	23.9	0.40	0.50	ug/L	20.0		119	75-127			
Styrene	23.7	0.10	0.50	ug/L	20.0		119	80-125			
Tert-amyl methyl ether	18.6	0.40	0.50	ug/L	20.0		93.2	74-120			
Tert-butyl alcohol	445	6.0	10	ug/L	400		111	66-147			
1,1,1,2-Tetrachloroethane	19.6	0.10	0.50	ug/L	20.0		98.2	80-132			
1,1,2,2-Tetrachloroethane	20.8	0.080	0.50	ug/L	20.0		104	84-115			
Tetrachloroethene	21.0	0.10	0.50	ug/L	20.0		105	56-156			
Tetrahydrofuran	22.3	0.10	5.0	ug/L	20.0		112	70-130			
Toluene	22.2	0.10	0.30	ug/L	20.0		111	76-137			
1,2,3-Trichlorobenzene	19.8	0.20	0.50	ug/L	20.0		99.2	85-133			
1,2,4-Trichlorobenzene	20.0	0.20	0.50	ug/L	20.0		100	84-126			
1,1,1-Trichloroethane	19.1	0.10	0.50	ug/L	20.0		95.3	70-130			
1,1,2-Trichloroethane	20.7	0.080	0.50	ug/L	20.0		104	83-122			
Trichloroethene	20.2	0.10	0.50	ug/L	20.0		101	84-123			
Trichlorofluoromethane	14.4	0.20	0.50	ug/L	20.0		72.2	74-130			QL-03
1,2,3-Trichloropropane	20.8	0.10	0.50	ug/L	20.0		104	78-122			
Trichlorotrifluoroethane	16.0	0.20	0.50	ug/L	20.0		80.2	82-125			QL-03
1,2,4-Trimethylbenzene	20.6	0.40	0.50	ug/L	20.0		103	85-127			
1,3,5-Trimethylbenzene	20.8	0.30	0.50	ug/L	20.0		104	80-125			
Vinyl acetate	48.9	0.20	1.0	ug/L	40.0		122	60-140			
Vinyl chloride	15.9	0.40	0.50	ug/L	20.0		79.6	70-130			
m,p-Xylene	46.3	0.20	0.50	ug/L	40.0		116	81-124			
o-Xylene	23.3	0.10	0.50	ug/L	20.0		116	80-126			
Xylenes (total)	69.6	0.50	0.50	ug/L	60.0		116	81-126			
Surrogate: Bromofluorobenzene	*30.8*			*ug/L*	*25.0*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*25.7*			*ug/L*	*25.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*29.6*			*ug/L*	*25.0*		*118*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
LCS Dup (AH35143-BSD1)					Prepared & Analyzed: 08/30/23						
Acetone	76.8	0.70	5.0	ug/L	80.0		96.0	48-124	7.82	25	
Acetonitrile	2080	20	100	ug/L	2000		104	70-130	2.49	25	
Acrylonitrile	17.3	0.10	5.0	ug/L	20.0		86.5	70-130	4.19	25	
Benzene	20.4	0.060	0.30	ug/L	20.0		102	82-122	2.86	25	
Bromobenzene	22.3	0.070	0.50	ug/L	20.0		112	83-122	0.0448	25	
Bromochloromethane	18.2	0.10	0.50	ug/L	20.0		91.1	83-124	2.28	25	
Bromodichloromethane	18.9	0.080	0.50	ug/L	20.0		94.4	86-135	3.18	25	
Bromoform	19.9	0.30	0.50	ug/L	20.0		99.7	76-144	4.56	25	
Bromomethane	19.0	0.40	0.50	ug/L	20.0		95.2	69-145	0.526	25	
n-Butylbenzene	19.7	0.40	0.50	ug/L	20.0		98.6	79-132	3.14	25	
sec-Butylbenzene	23.1	0.40	0.50	ug/L	20.0		116	86-132	2.05	25	
tert-Butylbenzene	20.4	0.30	0.50	ug/L	20.0		102	82-126	3.38	25	
Carbon disulfide	17.2	0.10	5.0	ug/L	20.0		86.0	70-130	2.59	30	
Carbon tetrachloride	18.8	0.10	0.50	ug/L	20.0		94.2	77-134	4.62	25	
Chlorobenzene	19.7	0.050	0.50	ug/L	20.0		98.6	84-119	2.16	25	
Chloroethane	17.9	0.10	0.50	ug/L	20.0		89.4	68-133	2.21	25	
2-Chloroethylvinyl ether	37.2	0.70	1.0	ug/L	40.0		92.9	75-130	0.757	30	
Chloroform	18.6	0.060	0.50	ug/L	20.0		93.2	81-122	2.28	25	
Chloromethane	17.8	0.40	0.50	ug/L	20.0		89.2	63-129	5.19	25	
2-Chlorotoluene	23.2	0.10	0.50	ug/L	20.0		116	79-132	0.780	25	
4-Chlorotoluene	23.3	0.10	0.50	ug/L	20.0		116	80-122	1.66	25	
Dibromochloromethane	19.8	0.10	0.50	ug/L	20.0		99.2	83-135	1.68	25	
1,2-Dibromo-3-chloropropane	20.0	0.20	2.0	ug/L	20.0		99.8	73-128	3.83	25	
1,2-Dibromoethane (EDB)	20.9	0.10	0.50	ug/L	20.0		105	80-120	0.666	25	
Dibromomethane	18.5	0.10	0.50	ug/L	20.0		92.3	82-124	3.36	25	
1,2-Dichlorobenzene	21.4	0.060	0.50	ug/L	20.0		107	84-121	0.281	25	
1,3-Dichlorobenzene	21.6	0.080	0.50	ug/L	20.0		108	80-120	1.66	25	
1,4-Dichlorobenzene	20.0	0.050	0.50	ug/L	20.0		100	84-120	0.945	25	
trans-1,4-Dichloro-2-butene	23.0	0.20	5.0	ug/L	20.0		115	70-130	2.56	25	
Dichlorodifluoromethane	18.7	0.10	0.50	ug/L	20.0		93.4	52-142	8.07	25	
1,1-Dichloroethane	18.3	0.080	0.50	ug/L	20.0		91.4	81-126	1.52	25	
1,2-Dichloroethane	17.3	0.40	0.50	ug/L	20.0		86.4	77-117	3.58	25	
1,1-Dichloroethene	19.4	0.10	0.50	ug/L	20.0		97.2	71-151	0.257	25	
cis-1,2-Dichloroethene	20.1	0.10	0.50	ug/L	20.0		101	84-131	2.79	25	
trans-1,2-Dichloroethene	17.7	0.10	0.50	ug/L	20.0		88.4	79-128	0.966	25	
1,2-Dichloropropane	19.6	0.40	0.50	ug/L	20.0		98.0	82-125	2.37	25	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
LCS Dup (AH35143-BSD1)					Prepared & Analyzed: 08/30/23						
1,3-Dichloropropane	21.1	0.050	0.50	ug/L	20.0		105	83-120	0.667	25	
2,2-Dichloropropane	17.4	0.20	0.50	ug/L	20.0		87.2	80-125	3.10	25	
1,1-Dichloropropene	19.3	0.10	0.50	ug/L	20.0		96.6	85-130	3.11	25	
cis-1,3-Dichloropropene	21.0	0.40	0.50	ug/L	20.0		105	83-128	0.381	25	
trans-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0		101	67-129	0.347	25	
Diethyl ether	16.3	0.20	1.0	ug/L	20.0		81.4	70-130	2.85	25	
Di-isopropyl ether	21.1	0.10	0.50	ug/L	20.0		106	83-132	2.62	25	
Ethyl acetate	20.9	0.10	2.0	ug/L	20.0		104	70-150	1.43	25	
Ethylbenzene	22.6	0.10	0.50	ug/L	20.0		113	84-124	1.25	25	
Hexachlorobutadiene	20.6	0.10	0.50	ug/L	20.0		103	75-135	4.52	25	
Hexachloroethane	18.5	0.40	1.0	ug/L	20.0		92.5	70-130	2.61	25	
Ethyl tert-butyl ether	21.0	0.40	0.50	ug/L	20.0		105	74-127	0.901	25	
2-Hexanone	23.9	0.20	5.0	ug/L	20.0		119	70-130	0.210	30	
Isopropylbenzene	24.1	0.10	0.50	ug/L	20.0		121	75-116	1.19	25	QL-03
Isobutanol	2590	40	100	ug/L	2000		129	70-130	2.66	25	
p-Isopropyltoluene	23.9	0.10	0.50	ug/L	20.0		120	78-124	1.21	25	
Methylene chloride	16.1	0.20	0.50	ug/L	20.0		80.5	72-132	0.619	25	
Methyl ethyl ketone	40.2	0.30	1.0	ug/L	40.0		100	58-157	9.58	25	
Methyl iodide	14.2	0.10	2.0	ug/L	20.0		71.0	56-167	8.05	30	
Methyl isobutyl ketone	40.4	0.60	1.0	ug/L	40.0		101	70-130	0.568	25	
Methyl tert-butyl ether	18.5	0.50	0.50	ug/L	20.0		92.4	84-119	1.14	25	
Naphthalene	20.7	0.50	0.50	ug/L	20.0		103	84-134	1.66	25	
n-Propylbenzene	23.9	0.40	0.50	ug/L	20.0		120	75-127	0.0419	25	
Styrene	23.9	0.10	0.50	ug/L	20.0		119	80-125	0.630	25	
Tert-amyl methyl ether	18.8	0.40	0.50	ug/L	20.0		94.2	74-120	1.01	25	
Tert-butyl alcohol	445	6.0	10	ug/L	400		111	66-147	0.0404	25	
1,1,1,2-Tetrachloroethane	19.5	0.10	0.50	ug/L	20.0		97.4	80-132	0.767	25	
1,1,2,2-Tetrachloroethane	20.3	0.080	0.50	ug/L	20.0		102	84-115	2.33	25	
Tetrachloroethene	19.8	0.10	0.50	ug/L	20.0		99.2	56-156	5.59	25	
Tetrahydrofuran	20.6	0.10	5.0	ug/L	20.0		103	70-130	8.16	25	
Toluene	21.9	0.10	0.30	ug/L	20.0		109	76-137	1.45	25	
1,2,4-Trichlorobenzene	19.9	0.20	0.50	ug/L	20.0		99.6	84-126	0.601	25	
1,2,3-Trichlorobenzene	20.0	0.20	0.50	ug/L	20.0		100	85-133	1.00	25	
1,1,1-Trichloroethane	18.4	0.10	0.50	ug/L	20.0		92.2	70-130	3.25	25	
1,1,2-Trichloroethane	21.0	0.080	0.50	ug/L	20.0		105	83-122	1.10	25	
Trichloroethene	20.4	0.10	0.50	ug/L	20.0		102	84-123	0.739	25	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
LCS Dup (AH35143-BSD1)					Prepared & Analyzed: 08/30/23						
Trichlorofluoromethane	16.0	0.20	0.50	ug/L	20.0		79.9	74-130	10.1	25	
1,2,3-Trichloropropane	20.6	0.10	0.50	ug/L	20.0		103	78-122	1.01	25	
Trichlorotrifluoroethane	16.3	0.20	0.50	ug/L	20.0		81.6	82-125	1.73	25	QL-03
1,2,4-Trimethylbenzene	20.8	0.40	0.50	ug/L	20.0		104	85-127	0.628	25	
1,3,5-Trimethylbenzene	20.3	0.30	0.50	ug/L	20.0		102	80-125	2.63	25	
Vinyl acetate	45.7	0.20	1.0	ug/L	40.0		114	60-140	6.73	25	
Vinyl chloride	15.0	0.40	0.50	ug/L	20.0		75.2	70-130	5.62	25	
m,p-Xylene	45.6	0.20	0.50	ug/L	40.0		114	81-124	1.65	25	
o-Xylene	22.9	0.10	0.50	ug/L	20.0		114	80-126	1.60	25	
Xylenes (total)	68.4	0.50	0.50	ug/L	60.0		114	81-126	1.64	25	
Surrogate: Bromofluorobenzene	*29.7*			*ug/L*	*25.0*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*24.7*			*ug/L*	*25.0*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*29.2*			*ug/L*	*25.0*		*117*	*70-130*			
Matrix Spike (AH35143-MS1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
Acetone	67.0	0.70	5.0	ug/L	80.0	2.82	80.2	32-164			
Acetonitrile	1820	20	100	ug/L	2000	ND	91.1	70-130			
Acrylonitrile	17.8	0.10	5.0	ug/L	20.0	ND	88.9	70-130			
Benzene	22.7	0.060	0.30	ug/L	20.0	ND	113	58-139			
Bromobenzene	23.8	0.070	0.50	ug/L	20.0	ND	119	63-143			
Bromochloromethane	20.4	0.10	0.50	ug/L	20.0	ND	102	60-141			
Bromodichloromethane	20.7	0.080	0.50	ug/L	20.0	ND	104	62-140			
Bromoform	20.0	0.30	0.50	ug/L	20.0	ND	100	47-165			
Bromomethane	20.2	0.40	0.50	ug/L	20.0	ND	101	30-163			
n-Butylbenzene	21.0	0.40	0.50	ug/L	20.0	ND	105	57-147			
sec-Butylbenzene	26.2	0.40	0.50	ug/L	20.0	ND	131	64-155			
tert-Butylbenzene	23.3	0.30	0.50	ug/L	20.0	ND	117	57-150			
Carbon disulfide	23.0	0.10	5.0	ug/L	20.0	ND	115	70-130			
Carbon tetrachloride	23.0	0.10	0.50	ug/L	20.0	ND	115	65-153			
Chlorobenzene	21.3	0.050	0.50	ug/L	20.0	ND	107	58-137			
Chloroethane	16.6	0.10	0.50	ug/L	20.0	ND	83.2	59-141			
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	40.0	ND		73-107			QM-05, U
Chloroform	20.7	0.060	0.50	ug/L	20.0	ND	104	36-151			
Chloromethane	22.5	0.40	0.50	ug/L	20.0	ND	113	69-149			
2-Chlorotoluene	24.8	0.10	0.50	ug/L	20.0	ND	124	54-150			
4-Chlorotoluene	24.9	0.10	0.50	ug/L	20.0	ND	125	59-140			
Dibromochloromethane	20.7	0.10	0.50	ug/L	20.0	ND	103	54-157			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Matrix Spike (AH35143-MS1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
1,2-Dibromo-3-chloropropane	16.1	0.20	2.0	ug/L	20.0	ND	80.7	54-137			
1,2-Dibromoethane (EDB)	21.0	0.10	0.50	ug/L	20.0	ND	105	40-147			
Dibromomethane	19.4	0.10	0.50	ug/L	20.0	ND	96.8	59-139			
1,2-Dichlorobenzene	22.2	0.060	0.50	ug/L	20.0	ND	111	39-145			
1,3-Dichlorobenzene	23.5	0.080	0.50	ug/L	20.0	ND	118	54-137			
1,4-Dichlorobenzene	20.9	0.050	0.50	ug/L	20.0	ND	104	41-142			
trans-1,4-Dichloro-2-butene	20.3	0.20	5.0	ug/L	20.0	ND	102	70-130			
Dichlorodifluoromethane	22.9	0.10	0.50	ug/L	20.0	ND	115	39-162			
1,1-Dichloroethane	21.0	0.080	0.50	ug/L	20.0	ND	105	39-146			
1,2-Dichloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.6	58-133			
1,1-Dichloroethene	23.3	0.10	0.50	ug/L	20.0	ND	117	70-154			
cis-1,2-Dichloroethene	21.8	0.10	0.50	ug/L	20.0	ND	109	66-141			
trans-1,2-Dichloroethene	20.1	0.10	0.50	ug/L	20.0	ND	100	59-151			
1,2-Dichloropropane	20.7	0.40	0.50	ug/L	20.0	ND	104	41-142			
1,3-Dichloropropane	21.4	0.050	0.50	ug/L	20.0	ND	107	62-139			
2,2-Dichloropropane	20.0	0.20	0.50	ug/L	20.0	ND	99.8	40-167			
1,1-Dichloropropene	23.0	0.10	0.50	ug/L	20.0	ND	115	58-148			
cis-1,3-Dichloropropene	21.3	0.40	0.50	ug/L	20.0	ND	107	50-140			
trans-1,3-Dichloropropene	20.5	0.40	0.50	ug/L	20.0	ND	102	40-144			
Diethyl ether	17.0	0.20	1.0	ug/L	20.0	ND	84.8	70-130			
Di-isopropyl ether	22.0	0.10	0.50	ug/L	20.0	ND	110	49-143			
Ethyl acetate	15.5	0.10	2.0	ug/L	20.0	ND	77.5	70-150			
Ethylbenzene	25.0	0.10	0.50	ug/L	20.0	ND	125	59-147			
Hexachlorobutadiene	21.9	0.10	0.50	ug/L	20.0	ND	110	56-149			
Hexachloroethane	20.1	0.40	1.0	ug/L	20.0	ND	100	70-130			
Ethyl tert-butyl ether	21.6	0.40	0.50	ug/L	20.0	ND	108	44-143			
2-Hexanone	19.4	0.20	5.0	ug/L	20.0	ND	96.8	70-130			
Isobutanol	1900	40	100	ug/L	2000	ND	95.2	70-130			
Isopropylbenzene	27.2	0.10	0.50	ug/L	20.0	ND	136	56-134			QM-05
p-Isopropyltoluene	26.5	0.10	0.50	ug/L	20.0	ND	132	54-148			
Methylene chloride	19.8	0.20	0.50	ug/L	20.0	ND	99.2	43-143			
Methyl ethyl ketone	37.2	0.30	1.0	ug/L	40.0	ND	92.9	62-126			
Methyl iodide	14.0	0.10	2.0	ug/L	20.0	ND	70.0	70-130			
Methyl isobutyl ketone	34.5	0.60	1.0	ug/L	40.0	ND	86.2	66-127			
Naphthalene	18.4	0.50	0.50	ug/L	20.0	ND	92.1	52-157			
Methyl tert-butyl ether	18.0	0.50	0.50	ug/L	20.0	ND	90.2	55-144			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Matrix Spike (AH35143-MS1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
n-Propylbenzene	26.4	0.40	0.50	ug/L	20.0	ND	132	55-145			
Styrene	24.5	0.10	0.50	ug/L	20.0	ND	123	51-157			
Tert-amyl methyl ether	19.6	0.40	0.50	ug/L	20.0	ND	98.2	41-136			
Tert-butyl alcohol	367	6.0	10	ug/L	400	ND	91.6	38-175			
1,1,1,2-Tetrachloroethane	20.7	0.10	0.50	ug/L	20.0	ND	103	58-146			
1,1,2,2-Tetrachloroethane	19.4	0.080	0.50	ug/L	20.0	ND	96.8	73-127			
Tetrachloroethene	23.0	0.10	0.50	ug/L	20.0	ND	115	49-148			
Tetrahydrofuran	19.6	0.10	5.0	ug/L	20.0	ND	97.9	70-130			
Toluene	24.5	0.10	0.30	ug/L	20.0	ND	122	59-147			
1,2,3-Trichlorobenzene	19.4	0.20	0.50	ug/L	20.0	ND	97.1	50-161			
1,2,4-Trichlorobenzene	19.9	0.20	0.50	ug/L	20.0	ND	99.6	50-150			
1,1,1-Trichloroethane	21.5	0.10	0.50	ug/L	20.0	ND	107	38-164			
1,1,2-Trichloroethane	21.2	0.080	0.50	ug/L	20.0	ND	106	46-136			
Trichloroethene	22.1	0.10	0.50	ug/L	20.0	ND	111	58-140			
Trichlorofluoromethane	15.9	0.20	0.50	ug/L	20.0	ND	79.4	56-144			
1,2,3-Trichloropropane	19.0	0.10	0.50	ug/L	20.0	ND	95.1	61-139			
Trichlorotrifluoroethane	20.9	0.20	0.50	ug/L	20.0	ND	105	59-139			
1,2,4-Trimethylbenzene	22.3	0.40	0.50	ug/L	20.0	ND	111	58-152			
1,3,5-Trimethylbenzene	22.5	0.30	0.50	ug/L	20.0	ND	113	58-148			
Vinyl acetate	39.5	0.20	1.0	ug/L	40.0	ND	98.7	70-130			
Vinyl chloride	20.5	0.40	0.50	ug/L	20.0	ND	102	53-160			
m,p-Xylene	50.4	0.20	0.50	ug/L	40.0	ND	126	53-147			
o-Xylene	24.7	0.10	0.50	ug/L	20.0	ND	123	55-148			
Xylenes (total)	75.0	0.50	0.50	ug/L	60.0	ND	125	49-153			
Surrogate: Bromofluorobenzene	*30.1*			*ug/L*	*25.0*		*120*	*70-130*			
Surrogate: Dibromofluoromethane	*25.9*			*ug/L*	*25.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*29.5*			*ug/L*	*25.0*		*118*	*70-130*			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Matrix Spike Dup (AH35143-MSD1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
Acetone	61.2	0.70	5.0	ug/L	80.0	2.82	73.0	32-164	8.91	25	
Acetonitrile	1840	20	100	ug/L	2000	ND	92.1	70-130	1.14	25	
Acrylonitrile	17.0	0.10	5.0	ug/L	20.0	ND	85.0	70-130	4.43	25	
Benzene	22.4	0.060	0.30	ug/L	20.0	ND	112	58-139	1.33	25	
Bromobenzene	23.5	0.070	0.50	ug/L	20.0	ND	118	63-143	1.35	25	
Bromochloromethane	20.2	0.10	0.50	ug/L	20.0	ND	101	60-141	1.33	25	
Bromodichloromethane	20.1	0.080	0.50	ug/L	20.0	ND	100	62-140	3.04	25	
Bromoform	19.5	0.30	0.50	ug/L	20.0	ND	97.7	47-165	2.48	25	
Bromomethane	21.6	0.40	0.50	ug/L	20.0	ND	108	30-163	6.45	25	
n-Butylbenzene	20.8	0.40	0.50	ug/L	20.0	ND	104	57-147	1.20	25	
sec-Butylbenzene	25.6	0.40	0.50	ug/L	20.0	ND	128	64-155	2.32	25	
tert-Butylbenzene	22.8	0.30	0.50	ug/L	20.0	ND	114	57-150	2.26	25	
Carbon disulfide	22.2	0.10	5.0	ug/L	20.0	ND	111	70-130	3.72	30	
Carbon tetrachloride	22.3	0.10	0.50	ug/L	20.0	ND	111	65-153	3.31	25	
Chlorobenzene	21.3	0.050	0.50	ug/L	20.0	ND	106	58-137	0.282	25	
Chloroethane	17.3	0.10	0.50	ug/L	20.0	ND	86.6	59-141	3.95	25	
2-Chloroethylvinyl ether	ND	0.70	1.0	ug/L	40.0	ND		73-107		30	QM-05, U
Chloroform	20.4	0.060	0.50	ug/L	20.0	ND	102	36-151	1.75	25	
Chloromethane	21.3	0.40	0.50	ug/L	20.0	ND	107	69-149	5.43	25	
2-Chlorotoluene	25.1	0.10	0.50	ug/L	20.0	ND	126	54-150	1.36	25	
4-Chlorotoluene	25.1	0.10	0.50	ug/L	20.0	ND	125	59-140	0.560	25	
Dibromochloromethane	20.6	0.10	0.50	ug/L	20.0	ND	103	54-157	0.339	25	
1,2-Dibromo-3-chloropropane	16.9	0.20	2.0	ug/L	20.0	ND	84.6	54-137	4.66	25	
1,2-Dibromoethane (EDB)	21.4	0.10	0.50	ug/L	20.0	ND	107	40-147	2.22	25	
Dibromomethane	19.0	0.10	0.50	ug/L	20.0	ND	95.2	59-139	1.67	25	
1,2-Dichlorobenzene	22.0	0.060	0.50	ug/L	20.0	ND	110	39-145	1.27	25	
1,3-Dichlorobenzene	23.2	0.080	0.50	ug/L	20.0	ND	116	54-137	1.46	25	
1,4-Dichlorobenzene	20.9	0.050	0.50	ug/L	20.0	ND	104	41-142	0.00	25	
trans-1,4-Dichloro-2-butene	18.9	0.20	5.0	ug/L	20.0	ND	94.5	70-130	7.24	25	
Dichlorodifluoromethane	22.5	0.10	0.50	ug/L	20.0	ND	113	39-162	1.72	25	
1,1-Dichloroethane	20.4	0.080	0.50	ug/L	20.0	ND	102	39-146	2.66	25	
1,2-Dichloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.4	58-133	0.218	25	
1,1-Dichloroethene	22.2	0.10	0.50	ug/L	20.0	ND	111	70-154	5.10	25	
cis-1,2-Dichloroethene	21.5	0.10	0.50	ug/L	20.0	ND	108	66-141	1.34	25	
trans-1,2-Dichloroethene	20.0	0.10	0.50	ug/L	20.0	ND	100	59-151	0.0499	25	
1,2-Dichloropropane	20.9	0.40	0.50	ug/L	20.0	ND	104	41-142	0.818	25	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Matrix Spike Dup (AH35143-MSD1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
1,3-Dichloropropane	21.2	0.050	0.50	ug/L	20.0	ND	106	62-139	0.752	25	
2,2-Dichloropropane	19.2	0.20	0.50	ug/L	20.0	ND	95.8	40-167	4.14	25	
1,1-Dichloropropene	22.7	0.10	0.50	ug/L	20.0	ND	114	58-148	1.22	25	
cis-1,3-Dichloropropene	21.5	0.40	0.50	ug/L	20.0	ND	107	50-140	0.748	25	
trans-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0	ND	102	40-144	0.734	25	
Diethyl ether	17.3	0.20	1.0	ug/L	20.0	ND	86.7	70-130	2.22	25	
Di-isopropyl ether	22.1	0.10	0.50	ug/L	20.0	ND	110	49-143	0.591	25	
Ethyl acetate	15.8	0.10	2.0	ug/L	20.0	ND	79.2	70-150	2.11	25	
Ethylbenzene	24.7	0.10	0.50	ug/L	20.0	ND	123	59-147	1.21	25	
Ethyl tert-butyl ether	21.5	0.40	0.50	ug/L	20.0	ND	108	44-143	0.417	25	
Hexachlorobutadiene	22.1	0.10	0.50	ug/L	20.0	ND	111	56-149	0.863	25	
Hexachloroethane	19.8	0.40	1.0	ug/L	20.0	ND	98.9	70-130	1.60	25	
2-Hexanone	19.6	0.20	5.0	ug/L	20.0	ND	98.2	70-130	1.44	30	
Isobutanol	2000	40	100	ug/L	2000	ND	99.8	70-130	4.79	25	
Isopropylbenzene	26.9	0.10	0.50	ug/L	20.0	ND	135	56-134	0.962	25	QM-05
p-Isopropyltoluene	26.2	0.10	0.50	ug/L	20.0	ND	131	54-148	1.18	25	
Methylene chloride	19.2	0.20	0.50	ug/L	20.0	ND	96.0	43-143	3.28	25	
Methyl ethyl ketone	33.9	0.30	1.0	ug/L	40.0	ND	84.7	62-126	9.29	25	
Methyl iodide	15.1	0.10	2.0	ug/L	20.0	ND	75.6	70-130	7.55	30	
Methyl isobutyl ketone	35.7	0.60	1.0	ug/L	40.0	ND	89.3	66-127	3.50	25	
Naphthalene	19.1	0.50	0.50	ug/L	20.0	ND	95.4	52-157	3.52	25	
Methyl tert-butyl ether	18.0	0.50	0.50	ug/L	20.0	ND	89.8	55-144	0.444	25	
n-Propylbenzene	27.0	0.40	0.50	ug/L	20.0	ND	135	55-145	2.02	25	
Styrene	24.8	0.10	0.50	ug/L	20.0	ND	124	51-157	0.974	25	
Tert-amyl methyl ether	19.5	0.40	0.50	ug/L	20.0	ND	97.4	41-136	0.869	25	
Tert-butyl alcohol	363	6.0	10	ug/L	400	ND	90.6	38-175	1.09	25	
1,1,1,2-Tetrachloroethane	20.7	0.10	0.50	ug/L	20.0	ND	104	58-146	0.290	25	
1,1,2,2-Tetrachloroethane	19.8	0.080	0.50	ug/L	20.0	ND	99.1	73-127	2.30	25	
Tetrachloroethene	23.3	0.10	0.50	ug/L	20.0	ND	116	49-148	1.17	25	
Tetrahydrofuran	18.9	0.10	5.0	ug/L	20.0	ND	94.4	70-130	3.59	25	
Toluene	24.9	0.10	0.30	ug/L	20.0	ND	124	59-147	1.62	25	
1,2,3-Trichlorobenzene	19.8	0.20	0.50	ug/L	20.0	ND	98.9	50-161	1.84	25	
1,2,4-Trichlorobenzene	20.0	0.20	0.50	ug/L	20.0	ND	100	50-150	0.701	25	
1,1,1-Trichloroethane	21.2	0.10	0.50	ug/L	20.0	ND	106	38-164	1.50	25	
1,1,2-Trichloroethane	21.3	0.080	0.50	ug/L	20.0	ND	106	46-136	0.377	25	
Trichloroethene	22.3	0.10	0.50	ug/L	20.0	ND	112	58-140	0.900	25	

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number: Silicone Batch Number 202304703	09/22/23 08:27

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
Batch AH35143 - VOAs in Water GCMS											
Matrix Spike Dup (AH35143-MSD1)		**Source: 23H2960-01**			Prepared: 08/30/23 Analyzed: 08/31/23						
Trichlorofluoromethane	16.0	0.20	0.50	ug/L	20.0	ND	80.2	56-144	0.940	25	
1,2,3-Trichloropropane	19.1	0.10	0.50	ug/L	20.0	ND	95.5	61-139	0.420	25	
Trichlorotrifluoroethane	20.6	0.20	0.50	ug/L	20.0	ND	103	59-139	1.30	25	
1,2,4-Trimethylbenzene	21.8	0.40	0.50	ug/L	20.0	ND	109	58-152	1.95	25	
1,3,5-Trimethylbenzene	22.4	0.30	0.50	ug/L	20.0	ND	112	58-148	0.534	25	
Vinyl acetate	40.4	0.20	1.0	ug/L	40.0	ND	101	70-130	2.25	25	
Vinyl chloride	18.2	0.40	0.50	ug/L	20.0	ND	90.8	53-160	11.9	25	
m,p-Xylene	49.8	0.20	0.50	ug/L	40.0	ND	124	53-147	1.14	25	
o-Xylene	24.5	0.10	0.50	ug/L	20.0	ND	122	55-148	0.773	25	
Xylenes (total)	74.3	0.50	0.50	ug/L	60.0	ND	124	49-153	1.02	25	
Surrogate: Bromofluorobenzene	*31.3*			*ug/L*	*25.0*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*26.1*			*ug/L*	*25.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*30.2*			*ug/L*	*25.0*		*121*	*70-130*			

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Sample Traps, LLC	Project Manager:	Quality Control Manager	
262 Rickenbacker Circle	Project:	QC- 40ml Amber VOA (NP)	Reported:
Livermore CA, 94551	Project Number:	Silicone Batch Number 202304703	09/22/23 08:27

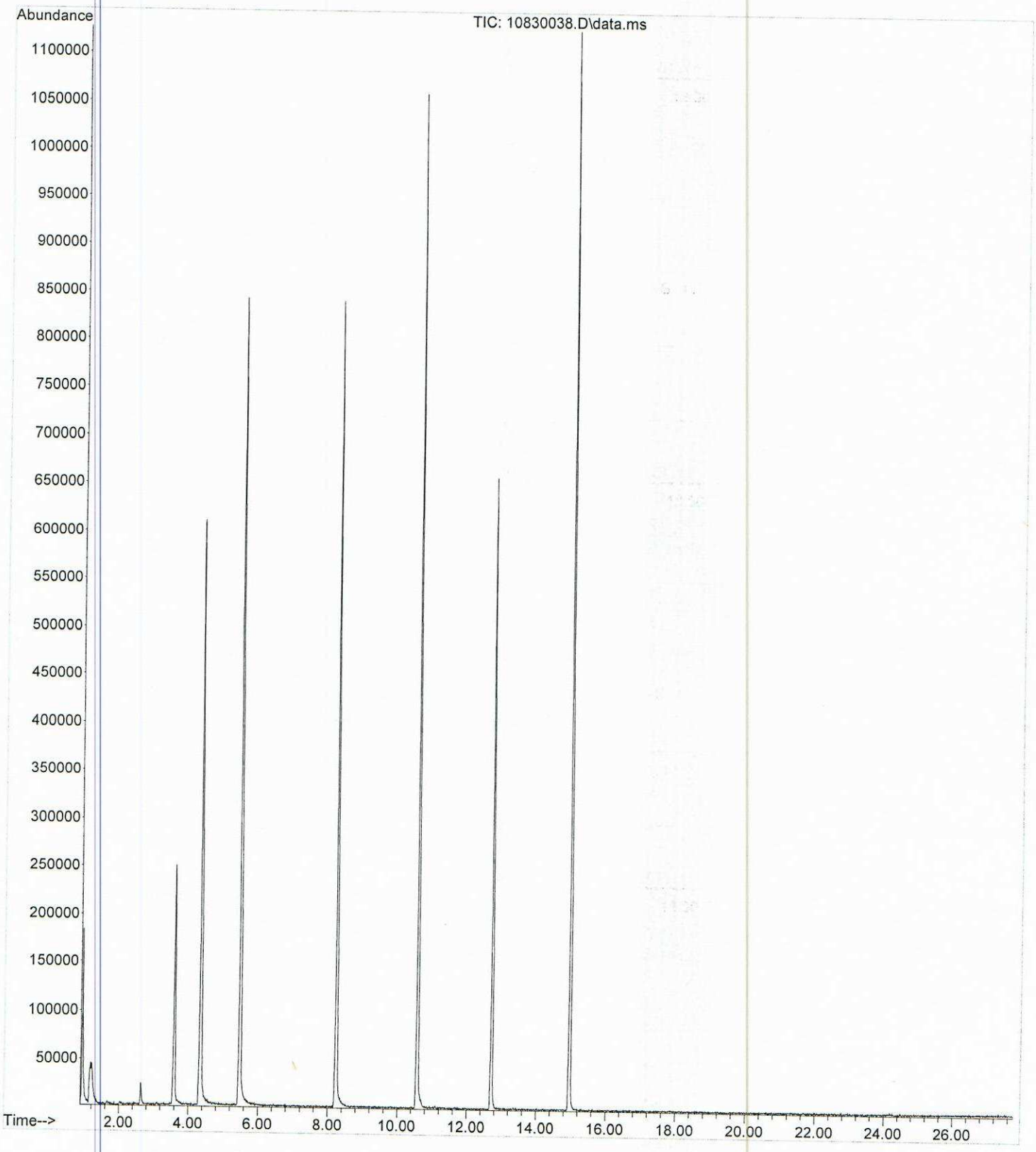
Notes and Definitions

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%.
QL-11	The LCS and/or LCSD recovery was high for this analyte. Sample results in the batch were accepted based on non-detect for the analyte.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
T-17	Sample analyzed outside of recommended hold time. Client or Project Manager notified.
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

* ELAP does not offer accreditation in this matrix for the requested analyte/method combination.

8760

File :D:\Data\083023\10830038.D
Operator : JV
Acquired : 31 Aug 2023 6:22 am using AcqMethod MS1INS.M
Instrument : GCMS1
Sample Name: 23H3214-01
Misc Info :
Vial Number: 38



527

File :D:\MassHunter\GCMS\1\data\2023\090623\60906010.D
Operator : AR
Acquired : 06 Sep 2023 19:41 using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 23H3214-02
Misc Info :
Vial Number: 33

Alpha Analytical Laboratories Inc.
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Service Center & Micro Lab: 262 Rickenbacker Circle, Livermore CA 94551
925-828-6226 Fax: 925-828-6309

Chain of Custody Record

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

Lab No. 23H5214 Page ____ of ____

Report to:	Invoice to (if different):	Project Info for Report:
Company: Sample Traps LLC	Company:	Project ID: QC- 40ml Amber VOA Vial (NP)
Attn: Quality Control Manager	Attn:	
Address:	Address:	Project No: Silicone Batch Number 202304703
Phone/Fax:	Phone/Fax:	PO/Reference :
Email Address: admin@sampletraps.com	Email Address:	

Signature below authorizes work under terms stated on reverse side.

Samplers Signature:

Print:

Sample Identification	Sampled: Date	Sampled: Time	Container: 40ml VOA	Poly	Glass bottle	Glass Jar		Preservative: HCL	Methanol	Na Bisulfate	Other	None	Matrix: Water	Container		Total Number of Containers	Analyses Requested: 8260 Sample Traps	524.2 Sample Traps	j-flags	include chromatograph with report	TOC							Sample Notes or CDPH Source Numbers:
A3220CUBS - 01			x									x		x		2	x		x	x								
A3220CUBS - 02			x									x		x		2		x										
			please use Ukiah reagent water for the analysis																									

TAT: 10 days ○ RUSH: 5 days ○ 48 hours ○ Other: ____days ○

Lab Approval Required For Rush TATs

Sample Notes (lab use only)

Temperature: ____ deg. C

Shipment Method:

Custody Seals: Y / N

Relinquished by:	Received by:	Date:	Time:
BAL		8/4/23	1200

CDPH Write On EDT Transmission? ○ Yes ○ No

State System Number: ____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ○ No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time:	Mileage:	Misc. Supplies: