

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040425\
 Data File : VU063335.D
 Acq On : 04 Apr 2025 09:52
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Apr 07 09:47:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 07 09:46:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	190511	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	185006	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	89177	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	62561	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.901	69	60972	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.554	65	28424	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.612	46	167653	44.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.16%
24) Chloroform-d	5.049	84	143907	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.692	65	69470	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.714	84	283249	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.679	67	92442	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.888	98	252306	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloroprop...	8.174	79	26007	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.621	63	123006	45.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.96%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	70078	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
66) 1,2-Dichlorobenzene-d4	12.184	152	77928	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	94132	4.82	ug/L	99
3) Chloromethane	1.518	50	106557	4.83	ug/L	100
5) Vinyl chloride	1.599	62	106174	4.80	ug/L	98
6) Bromomethane	1.843	94	55909	4.78	ug/L	93
8) Chloroethane	1.924	64	61345	4.87	ug/L	98
9) Trichlorofluoromethane	2.129	101	112380	4.82	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	71621	5.09	ug/L	99
12) 1,1-Dichloroethene	2.570	96	65829	4.89	ug/L	92
13) Acetone	2.615	43	106871	42.29	ug/L	99
14) Carbon disulfide	2.782	76	237033	4.93	ug/L	99
15) Methyl Acetate	2.943	43	28206	4.15	ug/L	99
16) Methylene chloride	3.033	84	79386	4.64	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	157918	4.60	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	70939	4.92	ug/L	99
19) 1,1-Dichloroethane	3.856	63	145959	4.94	ug/L	99
21) 2-Butanone	4.689	43	177823	44.62	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	80751	5.01	ug/L	96
23) Bromochloromethane	4.962	128	35212	4.73	ug/L	97
25) Chloroform	5.075	83	146065	4.96	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	89137	4.74	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	115898	5.11	ug/L	100
30) Cyclohexane	5.377	56	127961	5.24	ug/L	99
31) Carbon tetrachloride	5.512	117	96894	4.99	ug/L	97
33) Benzene	5.763	78	323384	5.15	ug/L	100
34) Trichloroethene	6.531	95	79457	5.01	ug/L	98
35) Methylcyclohexane	6.753	83	122104	5.28	ug/L	99
37) 1,2-Dichloropropane	6.779	63	87704	5.04	ug/L	99
38) Bromodichloromethane	7.094	83	101969	4.94	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	118139	5.15	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	447033	46.58	ug/L	100
42) Toluene	7.962	91	343314	5.28	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	99632	5.12	ug/L	98
45) 1,1,2-Trichloroethane	8.390	97	60664	4.98	ug/L	97
47) Tetrachloroethene	8.544	164	57796	5.09	ug/L	95
48) 2-Hexanone	8.673	43	322540	47.76	ug/L	99
49) Dibromochloromethane	8.798	129	62976	4.84	ug/L	100
50) 1,2-Dibromoethane	8.914	107	54488	4.83	ug/L	94
51) Chlorobenzene	9.438	112	203583	5.05	ug/L	98
52) Ethylbenzene	9.560	91	345719	5.22	ug/L	100
53) m,p-Xylene	9.685	106	129875	5.37	ug/L	96
54) o-Xylene	10.090	106	125454	5.41	ug/L	98
55) Styrene	10.107	104	212396	5.48	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	73770	4.63	ug/L	99
59) Bromoform	10.283	173	36449	4.58	ug/L	99
60) Isopropylbenzene	10.476	105	333038	5.35	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	49604	4.45	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	253260	5.22	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	243622	5.39	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	149512	5.03	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	149456	5.05	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	137250	4.85	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	9773	4.19	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	99809	4.96	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	68575	4.85	ug/L	100
71) Naphthalene	14.081	128	89015	4.29	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	59388	4.70	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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