

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063057.D
 Acq On : 28 Jan 2025 09:21
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005122

Quant Time: Jan 29 08:23:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	110219	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	105772	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	61379	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	15136	3.820	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.904	69	14313	4.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.557	65	10614	4.480	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.605	46	48104	41.831	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.660%
24) Chloroform-d	5.049	84	68445	4.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.685	65	39110	4.353	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.714	84	103073	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.679	67	26703	4.339	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.885	98	106372	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.168	79	15162	3.979	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.618	63	46113	48.507	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.020%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	26793	4.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	49673	4.521	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	39641	4.015	ug/L 98
3) Chloromethane	1.518	50	17869	3.763	ug/L 98
5) Vinyl chloride	1.599	62	20755	3.914	ug/L # 80
6) Bromomethane	1.846	94	8744	3.447	ug/L 85
8) Chloroethane	1.924	64	12475	4.659	ug/L 99
9) Trichlorofluoromethane	2.129	101	59392	4.431	ug/L 96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	30533	4.629	ug/L 89
12) 1,1-Dichloroethene	2.570	96	27588	4.818	ug/L 87
13) Acetone	2.612	43	35362	47.557	ug/L 94
14) Carbon disulfide	2.782	76	72796	4.963	ug/L 99
15) Methyl Acetate	2.936	43	7556	5.291	ug/L 92
16) Methylene chloride	3.033	84	28738	4.761	ug/L 93
17) Methyl tert-butyl Ether	3.348	73	83085	4.845	ug/L 97
18) trans-1,2-Dichloroethene	3.341	96	28691	4.683	ug/L 94
19) 1,1-Dichloroethane	3.853	63	49372	4.648	ug/L # 94
21) 2-Butanone	4.685	43	43715	43.105	ug/L 89
22) cis-1,2-Dichloroethene	4.650	96	34343	4.690	ug/L 96
23) Bromochloromethane	4.962	128	18447	5.020	ug/L # 84
25) Chloroform	5.071	83	69242	4.512	ug/L 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	49087	4.564	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	73029	4.453	ug/L	97
30) Cyclohexane	5.374	56	32771	4.290	ug/L #	78
31) Carbon tetrachloride	5.512	117	70438	4.461	ug/L	97
33) Benzene	5.759	78	113674	4.436	ug/L	100
34) Trichloroethene	6.531	95	37397	4.295	ug/L	91
35) Methylcyclohexane	6.750	83	44460	4.053	ug/L	91
37) 1,2-Dichloropropane	6.775	63	23600	4.095	ug/L #	92
38) Bromodichloromethane	7.094	83	52456	4.542	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	48885	4.505	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	124877	44.914	ug/L #	95
42) Toluene	7.955	91	140046	4.598	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	44619	4.464	ug/L	97
45) 1,1,2-Trichloroethane	8.386	97	24466	4.510	ug/L	95
47) Tetrachloroethene	8.541	164	36042	4.759	ug/L	93
48) 2-Hexanone	8.669	43	88245	45.759	ug/L #	97
49) Dibromochloromethane	8.798	129	39696	4.690	ug/L	92
50) 1,2-Dibromoethane	8.914	107	26334	4.806	ug/L #	99
51) Chlorobenzene	9.438	112	99816	4.726	ug/L	95
52) Ethylbenzene	9.560	91	164698	4.640	ug/L	97
53) m,p-Xylene	9.682	106	63327	4.620	ug/L	98
54) o-Xylene	10.090	106	61244	4.877	ug/L	97
55) Styrene	10.103	104	106456	5.014	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.769	83	27784	4.578	ug/L #	90
59) Bromoform	10.277	173	28598	4.903	ug/L	97
60) Isopropylbenzene	10.473	105	181369	4.663	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	20868	4.225	ug/L	93
62) 1,3,5-Trimethylbenzene	11.078	105	156443	4.588	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	154712	4.797	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	93564	4.738	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	92994	4.695	ug/L	96
67) 1,2-Dichlorobenzene	12.203	146	85073	4.579	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.981	75	6285	4.812	ug/L #	59
69) 1,3,5-Trichlorobenzene	13.209	180	74735	4.737	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	61730	5.000	ug/L	98
71) Naphthalene	14.077	128	93288	5.889	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	52832	4.953	ug/L	98

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

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