

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063081.D
 Acq On : 28 Jan 2025 21:02
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005124

Quant Time: Jan 29 08:44:24 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	6.235	114	122126	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	112738	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	65606	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	15076	3.434	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.901	69	13124	3.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.557	65	9965	3.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.000%
20) 2-Butanone-d5	4.605	46	80104	62.867	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.740%
24) Chloroform-d	5.049	84	82203	4.714	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.689	65	47650	4.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.714	84	122232	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.676	67	32744	4.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.888	98	113062	4.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.168	79	20328	5.006	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	71966	71.025	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.040%#
56) 1,1,2,2-Tetrachloroeth...	10.743	84	38081	6.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.200%#
66) 1,2-Dichlorobenzene-d4	12.184	152	57203	4.871	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	47864	4.375	ug/L	99
3) Chloromethane	1.518	50	22657	4.306	ug/L	96
5) Vinyl chloride	1.599	62	24235	4.125	ug/L	89
6) Bromomethane	1.846	94	8864	3.153	ug/L	86
8) Chloroethane	1.924	64	16092	5.424	ug/L	100
9) Trichlorofluoromethane	2.129	101	59903	4.033	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	31785	4.349	ug/L	91
12) 1,1-Dichloroethene	2.567	96	27609	4.352	ug/L	91
13) Acetone	2.612	43	40241	48.842	ug/L	94
14) Carbon disulfide	2.782	76	70410	4.332	ug/L	99
15) Methyl Acetate	2.943	43	9236	5.837	ug/L	93
16) Methylene chloride	3.030	84	31934	4.775	ug/L	92
17) Methyl tert-butyl Ether	3.348	73	97021	5.106	ug/L	97
18) trans-1,2-Dichloroethene	3.341	96	32566	4.797	ug/L	91
19) 1,1-Dichloroethane	3.853	63	55920	4.752	ug/L #	91
21) 2-Butanone	4.689	43	72280	64.323	ug/L	91
22) cis-1,2-Dichloroethene	4.653	96	40753	5.023	ug/L	97
23) Bromochloromethane	4.959	128	21702	5.329	ug/L #	85
25) Chloroform	5.071	83	84082	4.945	ug/L	98
27) 1,2-Dichloroethane	5.782	62	57298	4.808	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	5.303	97	85477	4.890	ug/L	97
30) Cyclohexane	5.374	56	46353	5.693	ug/L	90
31) Carbon tetrachloride	5.509	117	80317	4.772	ug/L	98
33) Benzene	5.763	78	144808	5.302	ug/L	100
34) Trichloroethene	6.531	95	46433	5.003	ug/L	97
35) Methylcyclohexane	6.750	83	58781	5.027	ug/L	96
37) 1,2-Dichloropropane	6.779	63	34139	5.557	ug/L	99
38) Bromodichloromethane	7.094	83	63552	5.163	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	64085	5.541	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	170993	57.701	ug/L #	95
42) Toluene	7.959	91	164198	5.058	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	59424	5.578	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	32949	5.699	ug/L	93
47) Tetrachloroethene	8.541	164	39091	4.843	ug/L	92
48) 2-Hexanone	8.669	43	138461	67.362	ug/L	98
49) Dibromochloromethane	8.798	129	46961	5.205	ug/L	93
50) 1,2-Dibromoethane	8.914	107	33373	5.714	ug/L	96
51) Chlorobenzene	9.434	112	116460	5.173	ug/L	96
52) Ethylbenzene	9.560	91	198489	5.246	ug/L	96
53) m,p-Xylene	9.682	106	74903	5.126	ug/L	99
54) o-Xylene	10.090	106	72809	5.439	ug/L	97
55) Styrene	10.103	104	122243	5.402	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	37377	5.779	ug/L #	95
59) Bromoform	10.280	173	31214	5.007	ug/L	100
60) Isopropylbenzene	10.473	105	215633	5.187	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	29094	5.511	ug/L	94
62) 1,3,5-Trimethylbenzene	11.078	105	170461	4.677	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	182262	5.287	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	103893	4.922	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	101687	4.803	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	97170	4.893	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	8496	6.085	ug/L	91
69) 1,3,5-Trichlorobenzene	13.209	180	78099	4.632	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	64416	4.882	ug/L	99
71) Naphthalene	14.081	128	86119	5.086	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	52889	4.639	ug/L	96

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

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