

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045241.D
 Acq On : 12 Mar 2025 12:12
 Operator : JC/MD
 Sample : VX0312WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/13/2025
 Supervised By : Mahesh Dadoda 03/13/2025

Quant Time: Mar 13 01:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	98902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78615	49.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.940%		
35) Dibromofluoromethane	5.379	113	59526	49.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.160%		
50) Toluene-d8	8.647	98	214144	49.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.400%		
62) 4-Bromofluorobenzene	11.079	95	73892	51.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22558	18.120	ug/l	98
3) Chloromethane	1.307	50	25788	16.926	ug/l	99
4) Vinyl Chloride	1.374	62	25137	16.632	ug/l	92
5) Bromomethane	1.593	94	10983	18.485	ug/l	100
6) Chloroethane	1.666	64	14242	20.429	ug/l	94
7) Trichlorofluoromethane	1.874	101	36585	18.285	ug/l	99
8) Diethyl Ether	2.136	74	13153	16.807	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	23030	20.035	ug/l	97
10) Methyl Iodide	2.441	142	27447	19.107	ug/l	98
11) Tert butyl alcohol	2.977	59	22117	74.222	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22320	18.366	ug/l	91
13) Acrolein	2.233	56	23690	68.774	ug/l	98
14) Allyl chloride	2.654	41	42489	19.641	ug/l	99
15) Acrylonitrile	3.062	53	78136	97.837	ug/l	99
16) Acetone	2.386	43	67625	92.649	ug/l	100
17) Carbon Disulfide	2.502	76	51337	15.860	ug/l	96
18) Methyl Acetate	2.703	43	39448	22.466	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	75455	18.506	ug/l	98
20) Methylene Chloride	2.782	84	26001	17.983	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	22429	18.681	ug/l	98
22) Diisopropyl ether	3.763	45	84834	19.282	ug/l	93
23) Vinyl Acetate	3.721	43	348243	94.851	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46680	18.932	ug/l	99
25) 2-Butanone	4.562	43	108378	98.643	ug/l	96
26) 2,2-Dichloropropane	4.471	77	30120	26.043	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	28232	19.048	ug/l	95
28) Bromochloromethane	4.897	49	23474	19.974	ug/l	99
29) Tetrahydrofuran	5.007	42	68625	93.010	ug/l	99
30) Chloroform	5.093	83	47027	19.195	ug/l	99
31) Cyclohexane	5.464	56	40022	18.699	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	37701	19.053	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29816	18.110	ug/l	99
37) Ethyl Acetate	4.721	43	40509	19.095	ug/l	98
38) Carbon Tetrachloride	5.666	117	31995	19.142	ug/l #	92
39) Methylcyclohexane	7.379	83	38421	19.476	ug/l	98
40) Benzene	6.031	78	99047	19.052	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22260	19.406	ug/l	96
42) 1,2-Dichloroethane	6.086	62	36830	19.673	ug/l	100
43) Isopropyl Acetate	6.342	43	60047	19.142	ug/l	99
44) Trichloroethene	7.123	130	22370	18.325	ug/l	94
45) 1,2-Dichloropropane	7.427	63	25113	18.788	ug/l	98
46) Dibromomethane	7.580	93	18062	19.118	ug/l	97
47) Bromodichloromethane	7.818	83	35299	19.048	ug/l	99
48) Methyl methacrylate	7.690	41	30413	19.325	ug/l	98
49) 1,4-Dioxane	7.665	88	11019	331.922	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	215751	102.431	ug/l	99
52) Toluene	8.714	92	58249	19.097	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	29973	19.347	ug/l	92
54) cis-1,3-Dichloropropene	8.366	75	34975	19.360	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	24358	19.398	ug/l	98
56) Ethyl methacrylate	9.116	69	36793	19.276	ug/l	96
57) 1,3-Dichloropropane	9.305	76	42461	19.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	89841	96.488	ug/l	99
59) 2-Hexanone	9.427	43	155057	101.603	ug/l	99
60) Dibromochloromethane	9.519	129	25313	19.279	ug/l	97
61) 1,2-Dibromoethane	9.610	107	24731	19.728	ug/l	97
64) Tetrachloroethene	9.269	164	19436	19.107	ug/l	96
65) Chlorobenzene	10.079	112	63463	18.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20865	18.643	ug/l	97
67) Ethyl Benzene	10.189	91	113155	19.324	ug/l	98
68) m/p-Xylenes	10.299	106	84300	39.325	ug/l	99
69) o-Xylene	10.640	106	41642	19.261	ug/l	99
70) Styrene	10.652	104	69744	19.937	ug/l	99
71) Bromoform	10.799	173	15762	18.676	ug/l #	97
73) Isopropylbenzene	10.963	105	108190	19.957	ug/l	99
74) N-amyl acetate	10.841	43	48327	18.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	38206	19.205	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	31567m	19.527	ug/l	
77) Bromobenzene	11.195	156	24518	19.169	ug/l	97
78) n-propylbenzene	11.299	91	123926	20.237	ug/l	100
79) 2-Chlorotoluene	11.360	91	75797	19.435	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	88673	20.229	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8638	18.286	ug/l	87
82) 4-Chlorotoluene	11.451	91	85173	20.038	ug/l	99
83) tert-Butylbenzene	11.713	119	89721	19.921	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	87493	19.837	ug/l	98
85) sec-Butylbenzene	11.890	105	113167	20.976	ug/l	98
86) p-Isopropyltoluene	12.006	119	88190	20.228	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	44480	19.494	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	43569	18.873	ug/l	98
89) n-Butylbenzene	12.329	91	74688	19.890	ug/l	99
90) Hexachloroethane	12.536	117	14797	18.764	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	44119	19.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7343	18.947	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	23769	18.237	ug/l	99
94) Hexachlorobutadiene	13.725	225	10292	19.261	ug/l	98
95) Naphthalene	13.774	128	92143	18.401	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	25800	18.764	ug/l	97

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

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