

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042125\
 Data File : VX045868.D
 Acq On : 21 Apr 2025 10:06
 Operator : JC/MD
 Sample : VX0421WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2025
 Supervised By : Semsettin Yesilyurt 04/22/2025

Quant Time: Apr 22 01:23:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	82710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76994	50.903	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.800%			
35) Dibromofluoromethane	5.379	113	52234	51.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	8.647	98	176874	50.156	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	66078	51.442	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	22686	18.341	ug/l	100
3) Chloromethane	1.301	50	21864	17.206	ug/l	95
4) Vinyl Chloride	1.374	62	20035	17.228	ug/l	98
5) Bromomethane	1.593	94	9389	17.027	ug/l	98
6) Chloroethane	1.672	64	11806	19.135	ug/l	98
7) Trichlorofluoromethane	1.880	101	33938	19.570	ug/l	99
8) Diethyl Ether	2.130	74	11316	19.436	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20478	20.152	ug/l	99
10) Methyl Iodide	2.447	142	23205	18.308	ug/l	98
11) Tert butyl alcohol	2.965	59	22019	108.321	ug/l	99
12) 1,1-Dichloroethene	2.313	96	18373	18.504	ug/l	97
13) Acrolein	2.233	56	10047	35.892	ug/l	97
14) Allyl chloride	2.660	41	36416	19.329	ug/l	99
15) Acrylonitrile	3.062	53	64887	101.123	ug/l	98
16) Acetone	2.380	43	63104	101.601	ug/l	97
17) Carbon Disulfide	2.508	76	38129	15.548	ug/l	99
18) Methyl Acetate	2.703	43	35002	24.477	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	69681	20.061	ug/l	99
20) Methylene Chloride	2.782	84	21999	18.920	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	19225	18.952	ug/l	92
22) Diisopropyl ether	3.757	45	74325	20.028	ug/l #	84
23) Vinyl Acetate	3.721	43	306978	95.739	ug/l	100
24) 1,1-Dichloroethane	3.605	63	40882	19.479	ug/l	98
25) 2-Butanone	4.556	43	93166	102.475	ug/l	98
26) 2,2-Dichloropropane	4.465	77	31512	23.239	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23150	18.732	ug/l	96
28) Bromochloromethane	4.891	49	19348	19.076	ug/l	99
29) Tetrahydrofuran	5.001	42	57446	97.459	ug/l	100
30) Chloroform	5.086	83	43809	20.286	ug/l	99
31) Cyclohexane	5.464	56	33741	18.185	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	37130	20.319	ug/l	98
36) 1,1-Dichloropropene	5.690	75	26155	19.173	ug/l	99
37) Ethyl Acetate	4.721	43	32436	18.868	ug/l	98
38) Carbon Tetrachloride	5.672	117	31083	21.083	ug/l	99
39) Methylcyclohexane	7.373	83	32545	19.463	ug/l	96
40) Benzene	6.031	78	81170	19.483	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18567	20.469	ug/l	95
42) 1,2-Dichloroethane	6.086	62	36080	20.967	ug/l	99
43) Isopropyl Acetate	6.342	43	54295	20.838	ug/l	99
44) Trichloroethene	7.123	130	19738	19.932	ug/l	98
45) 1,2-Dichloropropane	7.427	63	21434	20.619	ug/l	97
46) Dibromomethane	7.580	93	16393	20.543	ug/l	99
47) Bromodichloromethane	7.818	83	33083	20.760	ug/l	99
48) Methyl methacrylate	7.696	41	27944	20.772	ug/l	99
49) 1,4-Dioxane	7.659	88	11310	464.668	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	187233	108.398	ug/l	99
52) Toluene	8.714	92	49639	19.690	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	28344	19.938	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	31795	21.231	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	20998	20.902	ug/l	94
56) Ethyl methacrylate	9.116	69	32750	21.065	ug/l	99
57) 1,3-Dichloropropane	9.305	76	36392	20.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	74003	94.093	ug/l	100
59) 2-Hexanone	9.427	43	137991	107.882	ug/l	99
60) Dibromochloromethane	9.519	129	23557	21.509	ug/l	99
61) 1,2-Dibromoethane	9.610	107	20890	20.542	ug/l	100
64) Tetrachloroethene	9.269	164	18819	21.570	ug/l	92
65) Chlorobenzene	10.079	112	54856	20.774	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19251	20.999	ug/l	99
67) Ethyl Benzene	10.195	91	98479	20.823	ug/l	99
68) m/p-Xylenes	10.299	106	70982	41.266	ug/l	99
69) o-Xylene	10.640	106	35655	21.042	ug/l	98
70) Styrene	10.652	104	58023	20.747	ug/l	99
71) Bromoform	10.799	173	15017	21.938	ug/l #	96
73) Isopropylbenzene	10.957	105	93877	20.578	ug/l	98
74) N-amyl acetate	10.841	43	44003	20.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	33338	20.803	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	28603m	20.590	ug/l	
77) Bromobenzene	11.195	156	21190	20.103	ug/l	99
78) n-propylbenzene	11.299	91	107727	20.502	ug/l	100
79) 2-Chlorotoluene	11.360	91	69276	20.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	79763	21.144	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8188	20.004	ug/l	95
82) 4-Chlorotoluene	11.451	91	77359	20.655	ug/l	100
83) tert-Butylbenzene	11.713	119	78336	20.975	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	79790	21.074	ug/l	99
85) sec-Butylbenzene	11.890	105	97288	21.209	ug/l	99
86) p-Isopropyltoluene	12.006	119	79173	20.935	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	39415	20.543	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	38811	19.953	ug/l	97
89) n-Butylbenzene	12.329	91	67568	20.604	ug/l	99
90) Hexachloroethane	12.536	117	13856	21.319	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	40470	21.215	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7947	23.712	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22475	21.167	ug/l	98
94) Hexachlorobutadiene	13.725	225	10178	22.244	ug/l	98
95) Naphthalene	13.774	128	83855	21.221	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23674	21.292	ug/l	98

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

