

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050925\
 Data File : VX046106.D
 Acq On : 09 May 2025 11:44
 Operator : JC/MD
 Sample : VX0509WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:14:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	88115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	86192	52.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.940%			
35) Dibromofluoromethane	5.379	113	56978	51.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	8.647	98	196517	50.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	75092	50.677	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27887	20.678	ug/l	98
3) Chloromethane	1.307	50	26176	20.014	ug/l	100
4) Vinyl Chloride	1.374	62	23037	18.926	ug/l	99
5) Bromomethane	1.593	94	10834	19.190	ug/l	99
6) Chloroethane	1.672	64	13128	20.203	ug/l	95
7) Trichlorofluoromethane	1.880	101	37379	20.778	ug/l	98
8) Diethyl Ether	2.130	74	12446	20.324	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	22554	20.259	ug/l	98
10) Methyl Iodide	2.447	142	26265	19.939	ug/l	97
11) Tert butyl alcohol	2.971	59	25652	111.244	ug/l	100
12) 1,1-Dichloroethene	2.313	96	20203	19.336	ug/l	93
13) Acrolein	2.233	56	28831	109.787	ug/l	99
14) Allyl chloride	2.660	41	40738	20.401	ug/l	97
15) Acrylonitrile	3.062	53	71266	108.083	ug/l	98
16) Acetone	2.380	43	67737	102.840	ug/l	100
17) Carbon Disulfide	2.508	76	48454	19.561	ug/l	98
18) Methyl Acetate	2.703	43	34049	22.277	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	76417	20.861	ug/l	98
20) Methylene Chloride	2.782	84	23979	18.998	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	21033	20.017	ug/l	93
22) Diisopropyl ether	3.757	45	80811	20.951	ug/l	95
23) Vinyl Acetate	3.715	43	360890	106.377	ug/l	98
24) 1,1-Dichloroethane	3.605	63	43573	20.282	ug/l	99
25) 2-Butanone	4.550	43	104534	109.318	ug/l	98
26) 2,2-Dichloropropane	4.471	77	32702	19.448	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25606	20.243	ug/l	99
28) Bromochloromethane	4.891	49	22993	22.234	ug/l	100
29) Tetrahydrofuran	5.007	42	65961	110.081	ug/l	98
30) Chloroform	5.080	83	46587	20.805	ug/l	98
31) Cyclohexane	5.464	56	39288	20.068	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	40423	20.825	ug/l	99
36) 1,1-Dichloropropene	5.690	75	30090	20.065	ug/l	99
37) Ethyl Acetate	4.715	43	38547	20.805	ug/l	100
38) Carbon Tetrachloride	5.666	117	33788	20.053	ug/l	95
39) Methylcyclohexane	7.379	83	37914	19.638	ug/l	96
40) Benzene	6.031	78	89724	20.427	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21704	22.394	ug/l	98
42) 1,2-Dichloroethane	6.080	62	40017	21.109	ug/l	100
43) Isopropyl Acetate	6.336	43	60644	21.456	ug/l	99
44) Trichloroethene	7.123	130	20889	19.759	ug/l	98
45) 1,2-Dichloropropane	7.428	63	23551	21.563	ug/l	97
46) Dibromomethane	7.580	93	18138	21.055	ug/l	98
47) Bromodichloromethane	7.818	83	35790	21.094	ug/l	100
48) Methyl methacrylate	7.690	41	31761	22.003	ug/l	99
49) 1,4-Dioxane	7.659	88	12816	467.594	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	206609	110.122	ug/l	99
52) Toluene	8.714	92	55607	20.646	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30898	20.488	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	34686	20.810	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	23172	21.819	ug/l	98
56) Ethyl methacrylate	9.116	69	36188	21.380	ug/l	98
57) 1,3-Dichloropropane	9.305	76	40187	21.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	92954	107.720	ug/l	100
59) 2-Hexanone	9.427	43	155359	111.925	ug/l	100
60) Dibromochloromethane	9.519	129	25056	21.483	ug/l	100
61) 1,2-Dibromoethane	9.604	107	23362	21.165	ug/l	99
64) Tetrachloroethene	9.269	164	19037	19.688	ug/l	96
65) Chlorobenzene	10.079	112	59371	19.848	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20724	20.290	ug/l	98
67) Ethyl Benzene	10.189	91	107918	20.467	ug/l	98
68) m/p-Xylenes	10.299	106	79104	41.019	ug/l	97
69) o-Xylene	10.640	106	38852	20.665	ug/l	95
70) Styrene	10.653	104	64304	20.879	ug/l	98
71) Bromoform	10.799	173	15935	20.780	ug/l #	97
73) Isopropylbenzene	10.957	105	104352	20.816	ug/l	100
74) N-amyl acetate	10.842	43	52526	21.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36536	20.798	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31478m	20.310	ug/l	
77) Bromobenzene	11.195	156	23913	20.547	ug/l	99
78) n-propylbenzene	11.305	91	119945	20.578	ug/l	99
79) 2-Chlorotoluene	11.360	91	75159	19.991	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88227	21.067	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8742	18.363	ug/l	93
82) 4-Chlorotoluene	11.451	91	86987	20.864	ug/l	100
83) tert-Butylbenzene	11.713	119	86962	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	88389	20.841	ug/l	99
85) sec-Butylbenzene	11.890	105	107944	20.840	ug/l	99
86) p-Isopropyltoluene	12.006	119	87740	20.522	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	43239	20.357	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	43057	19.849	ug/l	97
89) n-Butylbenzene	12.329	91	75375	20.099	ug/l	100
90) Hexachloroethane	12.536	117	15145	20.107	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	44376	20.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8281	21.279	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	24138	19.717	ug/l	98
94) Hexachlorobutadiene	13.725	225	10717	20.044	ug/l	98
95) Naphthalene	13.774	128	87693	19.531	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24770	19.609	ug/l	99

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

