

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048342.D
 Acq On : 24 Oct 2025 10:43
 Operator : JC/MD
 Sample : VX1024WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:01:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	137701	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	98612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	102570	53.127	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.260%			
35) Dibromofluoromethane	5.367	113	62228	40.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 80.780%			
50) Toluene-d8	8.628	98	267872	49.599	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.200%			
62) 4-Bromofluorobenzene	11.061	95	99386	48.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	25143	17.762	ug/l	94
3) Chloromethane	1.300	50	12822	9.704	ug/l	95
4) Vinyl Chloride	1.380	62	32569	26.618	ug/l	100
5) Bromomethane	1.617	94	12351	14.874	ug/l	99
6) Chloroethane	1.697	64	20040	27.873	ug/l #	87
7) Trichlorofluoromethane	1.898	101	57777	24.622	ug/l	99
8) Diethyl Ether	2.130	74	20192	30.581	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	31911	21.475	ug/l	99
10) Methyl Iodide	2.459	142	111359	59.612	ug/l	99
11) Tert butyl alcohol	2.928	59	15744	82.132	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28121	19.452	ug/l	97
13) Acrolein	2.233	56	25266	129.236	ug/l	98
14) Allyl chloride	2.666	41	50781	21.157	ug/l	96
15) Acrylonitrile	3.050	53	69449	100.473	ug/l	99
16) Acetone	2.367	43	50022	75.524	ug/l	95
17) Carbon Disulfide	2.514	76	80803	17.735	ug/l	98
18) Methyl Acetate	2.697	43	30264	21.879	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	104287	21.145	ug/l	97
20) Methylene Chloride	2.788	84	31918	19.778	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	31734	19.984	ug/l	97
22) Diisopropyl ether	3.745	45	112880	23.579	ug/l	98
23) Vinyl Acetate	3.709	43	415767	108.723	ug/l	99
24) 1,1-Dichloroethane	3.605	63	60362	20.853	ug/l	99
25) 2-Butanone	4.532	43	79792	95.179	ug/l	95
26) 2,2-Dichloropropane	4.465	77	52806	20.211	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	37304	20.128	ug/l	96
28) Bromochloromethane	4.885	49	26145	21.783	ug/l	99
29) Tetrahydrofuran	4.983	42	51766	103.102	ug/l	99
30) Chloroform	5.074	83	64392	20.821	ug/l	92
31) Cyclohexane	5.452	56	54699	22.824	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	58203	20.420	ug/l	97
36) 1,1-Dichloropropene	5.678	75	44017	20.099	ug/l	98
37) Ethyl Acetate	4.690	43	39763	21.905	ug/l	99
38) Carbon Tetrachloride	5.659	117	51364	19.010	ug/l	98
39) Methylcyclohexane	7.360	83	54639	21.126	ug/l	99
40) Benzene	6.019	78	128108	20.148	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	21026	22.057	ug/l	98
42) 1,2-Dichloroethane	6.068	62	50777	21.642	ug/l	100
43) Isopropyl Acetate	6.318	43	67251	22.554	ug/l	99
44) Trichloroethene	7.110	130	32933	19.616	ug/l	96
45) 1,2-Dichloropropane	7.415	63	32923	21.779	ug/l	97
46) Dibromomethane	7.562	93	23790	20.200	ug/l	98
47) Bromodichloromethane	7.805	83	49713	19.549	ug/l	96
48) Methyl methacrylate	7.671	41	32820	21.813	ug/l	97
49) 1,4-Dioxane	7.641	88	6826	343.399	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	188686	109.755	ug/l	99
52) Toluene	8.702	92	80539	19.939	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	47287	19.297	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	50121	18.957	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	30674	20.420	ug/l	98
56) Ethyl methacrylate	9.098	69	44167	20.102	ug/l	94
57) 1,3-Dichloropropane	9.293	76	53321	20.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	118521	101.339	ug/l	99
59) 2-Hexanone	9.415	43	125081	104.343	ug/l	100
60) Dibromochloromethane	9.506	129	36681	18.168	ug/l	100
61) 1,2-Dibromoethane	9.592	107	31369	19.589	ug/l	97
64) Tetrachloroethene	9.256	164	31271	21.232	ug/l	95
65) Chlorobenzene	10.061	112	87547	19.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	31852	19.540	ug/l	99
67) Ethyl Benzene	10.177	91	153603	20.328	ug/l	98
68) m/p-Xylenes	10.287	106	115372	41.095	ug/l	100
69) o-Xylene	10.622	106	54907	20.258	ug/l	99
70) Styrene	10.640	104	92792	20.106	ug/l	98
71) Bromoform	10.780	173	22978	17.637	ug/l #	99
73) Isopropylbenzene	10.945	105	148568	20.627	ug/l	100
74) N-amyl acetate	10.823	43	58253	22.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	39083	19.870	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	35661m	22.300	ug/l	
77) Bromobenzene	11.177	156	34578	19.146	ug/l	98
78) n-propylbenzene	11.286	91	175426	21.036	ug/l	99
79) 2-Chlorotoluene	11.347	91	102875	20.347	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	123122	20.656	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	8998	13.689	ug/l #	79
82) 4-Chlorotoluene	11.439	91	122719	20.446	ug/l	99
83) tert-Butylbenzene	11.695	119	123899	20.231	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	122164	20.537	ug/l	99
85) sec-Butylbenzene	11.872	105	154615	20.984	ug/l	100
86) p-Isopropyltoluene	11.988	119	128679	20.205	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	65372	19.201	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	66499	18.854	ug/l	98
89) n-Butylbenzene	12.311	91	122166	21.075	ug/l	99
90) Hexachloroethane	12.518	117	21976	17.474	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	62138	19.439	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7963	19.944	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	40804	18.876	ug/l	97
94) Hexachlorobutadiene	13.707	225	18104	22.386	ug/l	98
95) Naphthalene	13.756	128	110334	19.265	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	37968	19.140	ug/l	96

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

