

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048314.D
 Acq On : 23 Oct 2025 11:05
 Operator : JC/MD
 Sample : VX1023WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:40:27 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	134735	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	200619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	100838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	94984	50.281	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.560%			
35) Dibromofluoromethane	5.367	113	60863	39.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.180%			
50) Toluene-d8	8.628	98	254236	47.181	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.360%			
62) 4-Bromofluorobenzene	11.061	95	95495	46.584	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	25705	18.558	ug/l	98
3) Chloromethane	1.301	50	13105	10.136	ug/l	94
4) Vinyl Chloride	1.380	62	33439	27.931	ug/l	95
5) Bromomethane	1.618	94	13155	16.191	ug/l	100
6) Chloroethane	1.697	64	20658	29.365	ug/l	96
7) Trichlorofluoromethane	1.898	101	57805	25.176	ug/l	97
8) Diethyl Ether	2.130	74	20213	31.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	31397	21.594	ug/l	97
10) Methyl Iodide	2.453	142	104916	57.399	ug/l	99
11) Tert butyl alcohol	2.934	59	15782	84.143	ug/l	99
12) 1,1-Dichloroethene	2.325	96	30353	21.458	ug/l	98
13) Acrolein	2.233	56	23749	124.150	ug/l	98
14) Allyl chloride	2.666	41	53353	22.718	ug/l	97
15) Acrylonitrile	3.050	53	70806	104.692	ug/l	99
16) Acetone	2.373	43	49259	76.010	ug/l	91
17) Carbon Disulfide	2.514	76	85742	19.233	ug/l	99
18) Methyl Acetate	2.697	43	29964	22.139	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	104408	21.636	ug/l	98
20) Methylene Chloride	2.788	84	33702	21.343	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	32910	21.180	ug/l	97
22) Diisopropyl ether	3.745	45	118290	25.253	ug/l	99
23) Vinyl Acetate	3.709	43	433361	115.819	ug/l	100
24) 1,1-Dichloroethane	3.599	63	64112	22.636	ug/l	100
25) 2-Butanone	4.532	43	76484	93.241	ug/l	95
26) 2,2-Dichloropropane	4.458	77	55055	21.535	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	39131	21.579	ug/l	97
28) Bromochloromethane	4.879	49	30258	25.765	ug/l	99
29) Tetrahydrofuran	4.983	42	50667	103.135	ug/l	97
30) Chloroform	5.074	83	66927	22.117	ug/l	94
31) Cyclohexane	5.452	56	53812	22.948	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	58498	20.976	ug/l	98
36) 1,1-Dichloropropene	5.678	75	44207	20.232	ug/l	97
37) Ethyl Acetate	4.690	43	39088	21.582	ug/l	99
38) Carbon Tetrachloride	5.659	117	51129	18.966	ug/l	98
39) Methylcyclohexane	7.360	83	51755	20.056	ug/l	95
40) Benzene	6.019	78	134226	21.158	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	21156	22.243	ug/l	97
42) 1,2-Dichloroethane	6.062	62	52755	22.536	ug/l	98
43) Isopropyl Acetate	6.318	43	68257	22.944	ug/l	98
44) Trichloroethene	7.104	130	34060	20.333	ug/l	99
45) 1,2-Dichloropropane	7.409	63	34463	22.849	ug/l	98
46) Dibromomethane	7.562	93	24719	21.036	ug/l	99
47) Bromodichloromethane	7.799	83	53226	20.978	ug/l	94
48) Methyl methacrylate	7.671	41	33591	22.376	ug/l	96
49) 1,4-Dioxane	7.635	88	7092	357.589	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	188991	110.181	ug/l	99
52) Toluene	8.702	92	84962	21.081	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	50982	20.851	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	53701	20.357	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	31457	20.989	ug/l	95
56) Ethyl methacrylate	9.098	69	46166	21.059	ug/l	97
57) 1,3-Dichloropropane	9.293	76	54094	21.130	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	118328	101.402	ug/l	99
59) 2-Hexanone	9.415	43	124519	104.109	ug/l	100
60) Dibromochloromethane	9.506	129	39420	19.569	ug/l	99
61) 1,2-Dibromoethane	9.592	107	33344	20.869	ug/l	96
64) Tetrachloroethene	9.256	164	32413	21.642	ug/l	97
65) Chlorobenzene	10.061	112	93928	20.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	32734	19.748	ug/l	98
67) Ethyl Benzene	10.177	91	159527	20.762	ug/l	100
68) m/p-Xylenes	10.281	106	122663	42.967	ug/l	98
69) o-Xylene	10.622	106	57566	20.886	ug/l	98
70) Styrene	10.640	104	99301	21.159	ug/l	99
71) Bromoform	10.781	173	23651	17.852	ug/l #	99
73) Isopropylbenzene	10.945	105	151873	20.620	ug/l	100
74) N-amyl acetate	10.823	43	58452	22.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41143	20.456	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	32254m	19.724	ug/l	
77) Bromobenzene	11.183	156	36867	19.963	ug/l	98
78) n-propylbenzene	11.287	91	180722	21.192	ug/l	99
79) 2-Chlorotoluene	11.347	91	108791	21.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	124648	20.451	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9074	13.500	ug/l #	74
82) 4-Chlorotoluene	11.433	91	129194	21.050	ug/l	99
83) tert-Butylbenzene	11.695	119	123634	19.742	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	126378	20.776	ug/l	100
85) sec-Butylbenzene	11.872	105	155009	20.573	ug/l	99
86) p-Isopropyltoluene	11.988	119	128248	19.693	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	70232	20.173	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	70529	19.555	ug/l	96
89) n-Butylbenzene	12.311	91	119985	20.242	ug/l	100
90) Hexachloroethane	12.518	117	21276	16.544	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	66879	20.460	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	7992	19.575	ug/l	92
93) 1,2,4-Trichlorobenzene	13.567	180	42089	19.041	ug/l	97
94) Hexachlorobutadiene	13.707	225	16524	19.989	ug/l	98
95) Naphthalene	13.756	128	115344	19.695	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	40205	19.821	ug/l	99

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

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