

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048531.D
 Acq On : 10 Nov 2025 12:16
 Operator : JC/MD
 Sample : VX1110WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2025
 Supervised By : Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:44:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	186739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	314084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	272722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	131022	50.353	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.367	113	108083	45.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.940%			
50) Toluene-d8	8.628	98	370461	49.967	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.061	95	134981	48.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.700%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	21270	14.057	ug/l	99
3) Chloromethane	1.301	50	31642	15.766	ug/l	100
4) Vinyl Chloride	1.380	62	38176	16.800	ug/l	99
5) Bromomethane	1.618	94	30808	21.471	ug/l	95
6) Chloroethane	1.697	64	27211	18.285	ug/l	100
7) Trichlorofluoromethane	1.892	101	63335	17.618	ug/l	98
8) Diethyl Ether	2.130	74	26370	18.274	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	38071	18.293	ug/l	100
10) Methyl Iodide	2.453	142	60312	19.582	ug/l	100
11) Tert butyl alcohol	2.934	59	47232	95.794	ug/l	97
12) 1,1-Dichloroethene	2.325	96	39354	18.103	ug/l	90
13) Acrolein	2.233	56	6222	87.217	ug/l	98
14) Allyl chloride	2.666	41	71244	17.603	ug/l	98
15) Acrylonitrile	3.050	53	136142	94.585	ug/l	98
16) Acetone	2.367	43	112083	90.999	ug/l	98
17) Carbon Disulfide	2.514	76	105680	17.276	ug/l	99
18) Methyl Acetate	2.697	43	61904	18.288	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	145402	18.941	ug/l	97
20) Methylene Chloride	2.788	84	46553	18.384	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	40819	17.717	ug/l	95
22) Diisopropyl ether	3.745	45	147454	18.973	ug/l	94
23) Vinyl Acetate	3.709	43	631468	92.773	ug/l	98
24) 1,1-Dichloroethane	3.599	63	78660	18.446	ug/l	100
25) 2-Butanone	4.532	43	178755	98.105	ug/l	100
26) 2,2-Dichloropropane	4.465	77	60785	16.720	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	51067	18.133	ug/l	100
28) Bromochloromethane	4.873	49	35994	17.182	ug/l	97
29) Tetrahydrofuran	4.983	42	121604	93.574	ug/l	98
30) Chloroform	5.074	83	80488	18.283	ug/l	99
31) Cyclohexane	5.458	56	64314	18.407	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	68308	17.779	ug/l	100
36) 1,1-Dichloropropene	5.678	75	52158	16.386	ug/l	98
37) Ethyl Acetate	4.690	43	79538	17.751	ug/l	98
38) Carbon Tetrachloride	5.659	117	61169	16.881	ug/l	100
39) Methylcyclohexane	7.367	83	63750	17.836	ug/l	96
40) Benzene	6.019	78	172089	17.441	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	37669	19.116	ug/l	95
42) 1,2-Dichloroethane	6.062	62	61312	18.136	ug/l	99
43) Isopropyl Acetate	6.318	43	114026	18.104	ug/l	99
44) Trichloroethene	7.104	130	43662	18.513	ug/l	95
45) 1,2-Dichloropropane	7.409	63	43274	19.074	ug/l	98
46) Dibromomethane	7.562	93	33518	20.256	ug/l	96
47) Bromodichloromethane	7.805	83	65250	19.766	ug/l	99
48) Methyl methacrylate	7.671	41	54587	19.496	ug/l	98
49) 1,4-Dioxane	7.641	88	17256	404.463	ug/l #	96
51) 4-Methyl-2-Pentanone	8.555	43	376752	105.082	ug/l	97
52) Toluene	8.702	92	106489	20.499	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	64740	19.033	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	70428	19.996	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	43645	21.029	ug/l	96
56) Ethyl methacrylate	9.098	69	72320	20.943	ug/l	99
57) 1,3-Dichloropropane	9.293	76	74383	20.590	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	189469	102.057	ug/l	99
59) 2-Hexanone	9.415	43	277906	104.203	ug/l	100
60) Dibromochloromethane	9.506	129	50954	19.995	ug/l	98
61) 1,2-Dibromoethane	9.592	107	46976	20.897	ug/l	99
64) Tetrachloroethene	9.256	164	36443	18.398	ug/l	98
65) Chlorobenzene	10.061	112	119032	18.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	42224	19.468	ug/l	97
67) Ethyl Benzene	10.177	91	198257	18.239	ug/l	99
68) m/p-Xylenes	10.287	106	155476	37.978	ug/l	98
69) o-Xylene	10.622	106	74716	18.654	ug/l	98
70) Styrene	10.640	104	128142	19.072	ug/l	98
71) Bromoform	10.781	173	36575	18.278	ug/l #	98
73) Isopropylbenzene	10.945	105	190283	18.736	ug/l	100
74) N-amyl acetate	10.823	43	93058	18.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65696	18.343	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	61374m	18.207	ug/l	
77) Bromobenzene	11.177	156	48495	18.492	ug/l	99
78) n-propylbenzene	11.287	91	215215	18.022	ug/l	98
79) 2-Chlorotoluene	11.347	91	132256	18.328	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	151610	18.312	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20599	17.479	ug/l	95
82) 4-Chlorotoluene	11.433	91	153524	18.137	ug/l	98
83) tert-Butylbenzene	11.695	119	157954	18.445	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	155016	18.556	ug/l	100
85) sec-Butylbenzene	11.872	105	192833	18.219	ug/l	100
86) p-Isopropyltoluene	11.988	119	163688	18.396	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	88632	18.032	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	90720	17.869	ug/l	99
89) n-Butylbenzene	12.317	91	148103	17.742	ug/l	100
90) Hexachloroethane	12.518	117	29792	17.573	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	85315	18.081	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15665	18.821	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	55768	17.786	ug/l	99
94) Hexachlorobutadiene	13.707	225	23639	18.035	ug/l	97
95) Naphthalene	13.756	128	193138	19.158	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	55097	18.891	ug/l	98

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

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