

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048605.D
 Acq On : 14 Nov 2025 13:36
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:19:14 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	140425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	234812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92013	47.024	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.040%		
35) Dibromofluoromethane	5.367	113	73397	41.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.600%		
50) Toluene-d8	8.628	98	246464	44.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.940%#		
62) 4-Bromofluorobenzene	11.061	95	92066	44.571	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	18571	16.321	ug/l	98
3) Chloromethane	1.300	50	30348	20.109	ug/l	100
4) Vinyl Chloride	1.380	62	35701	20.893	ug/l	96
5) Bromomethane	1.617	94	28376	26.299	ug/l	92
6) Chloroethane	1.697	64	24330	21.742	ug/l	98
7) Trichlorofluoromethane	1.898	101	56478	20.892	ug/l	98
8) Diethyl Ether	2.130	74	25400	23.407	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	34003	21.727	ug/l	98
10) Methyl Iodide	2.453	142	52956	22.864	ug/l	99
11) Tert butyl alcohol	2.934	59	41094	110.833	ug/l	99
12) 1,1-Dichloroethene	2.325	96	34697	21.225	ug/l	93
13) Acrolein	2.233	56	4309	80.323	ug/l	94
14) Allyl chloride	2.666	41	64206	21.096	ug/l	99
15) Acrylonitrile	3.056	53	117438	108.500	ug/l	97
16) Acetone	2.367	43	99622	107.558	ug/l	99
17) Carbon Disulfide	2.514	76	86217	18.743	ug/l	100
18) Methyl Acetate	2.697	43	66206	26.010	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	126451	21.905	ug/l	97
20) Methylene Chloride	2.788	84	42454	22.295	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	32570	18.799	ug/l	95
22) Diisopropyl ether	3.745	45	114272	19.553	ug/l	99
23) Vinyl Acetate	3.709	43	471040	92.028	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58677	18.298	ug/l	98
25) 2-Butanone	4.532	43	154471	112.738	ug/l	96
26) 2,2-Dichloropropane	4.458	77	53898	19.715	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	42944	20.278	ug/l	98
28) Bromochloromethane	4.879	49	27239	17.291	ug/l	95
29) Tetrahydrofuran	4.983	42	91306	93.433	ug/l	97
30) Chloroform	5.074	83	63235	19.101	ug/l	99
31) Cyclohexane	5.452	56	44380	16.891	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	51453	17.809	ug/l	97
36) 1,1-Dichloropropene	5.678	75	35937	15.101	ug/l	97
37) Ethyl Acetate	4.696	43	71138	21.236	ug/l	97
38) Carbon Tetrachloride	5.659	117	45480	16.789	ug/l	98
39) Methylcyclohexane	7.360	83	44989	16.837	ug/l	99
40) Benzene	6.019	78	121154	16.424	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	27414	18.609	ug/l	93
42) 1,2-Dichloroethane	6.068	62	49428	19.556	ug/l	97
43) Isopropyl Acetate	6.318	43	85422	18.141	ug/l	97
44) Trichloroethene	7.110	130	30281	17.173	ug/l	89
45) 1,2-Dichloropropane	7.409	63	33314	19.641	ug/l	100
46) Dibromomethane	7.562	93	27121	21.923	ug/l	92
47) Bromodichloromethane	7.805	83	53690	21.755	ug/l	97
48) Methyl methacrylate	7.671	41	44448	21.234	ug/l	93
49) 1,4-Dioxane	7.647	88	12841	402.590	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	306253	114.255	ug/l	97
52) Toluene	8.702	92	78549	20.225	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	54236	21.327	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	56257	21.365	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	35010	22.563	ug/l	98
56) Ethyl methacrylate	9.098	69	56913	22.046	ug/l #	93
57) 1,3-Dichloropropane	9.293	76	58774	21.762	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	122223	88.061	ug/l	100
59) 2-Hexanone	9.415	43	229113	114.910	ug/l	95
60) Dibromochloromethane	9.500	129	42072	22.084	ug/l	98
61) 1,2-Dibromoethane	9.592	107	36314	21.607	ug/l	98
64) Tetrachloroethene	9.256	164	25918	16.053	ug/l	97
65) Chlorobenzene	10.061	112	88799	16.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33368	18.876	ug/l	97
67) Ethyl Benzene	10.177	91	149644	16.891	ug/l	98
68) m/p-Xylenes	10.281	106	114367	34.275	ug/l	96
69) o-Xylene	10.622	106	55289	16.936	ug/l	98
70) Styrene	10.640	104	96281	17.581	ug/l	98
71) Bromoform	10.780	173	28482	17.464	ug/l #	99
73) Isopropylbenzene	10.945	105	143601	17.387	ug/l	98
74) N-amyl acetate	10.823	43	72630	17.514	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	53522	18.376	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	50154m	18.296	ug/l	
77) Bromobenzene	11.177	156	38293	17.955	ug/l	98
78) n-propylbenzene	11.286	91	167416	17.239	ug/l	100
79) 2-Chlorotoluene	11.347	91	102184	17.413	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	117610	17.468	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	16597	17.318	ug/l	88
82) 4-Chlorotoluene	11.433	91	121702	17.680	ug/l	100
83) tert-Butylbenzene	11.695	119	121580	17.458	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	119572	17.601	ug/l	99
85) sec-Butylbenzene	11.872	105	148033	17.199	ug/l	99
86) p-Isopropyltoluene	11.988	119	126450	17.474	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	67960	17.002	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	71163	17.236	ug/l	99
89) n-Butylbenzene	12.317	91	112802	16.617	ug/l	99
90) Hexachloroethane	12.518	117	23819	17.276	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	66257	17.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12167	17.976	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	41593	16.312	ug/l	99
94) Hexachlorobutadiene	13.701	225	16757	15.720	ug/l	96
95) Naphthalene	13.756	128	144649	17.644	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	41053	17.309	ug/l	99

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

