

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048129.D
 Acq On : 13 Oct 2025 10:43
 Operator : JC/MD
 Sample : VX1013WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1013WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/14/2025
 Supervised By : Mahesh Dadoda 10/14/2025

Quant Time: Oct 14 01:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	148350	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	252959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	229883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	119033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119369	50.551	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.100%			
35) Dibromofluoromethane	5.367	113	94292	55.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.160%			
50) Toluene-d8	8.629	98	316122	53.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.700%			
62) 4-Bromofluorobenzene	11.061	95	122028	54.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	32828	21.370	ug/l	100
3) Chloromethane	1.301	50	37661	18.654	ug/l	98
4) Vinyl Chloride	1.380	62	39527	20.000	ug/l	98
5) Bromomethane	1.618	94	28236	22.531	ug/l	99
6) Chloroethane	1.697	64	26398	19.985	ug/l	99
7) Trichlorofluoromethane	1.898	101	59124	20.148	ug/l	95
8) Diethyl Ether	2.136	74	21980	18.311	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	34269	19.972	ug/l	99
10) Methyl Iodide	2.453	142	42630	15.930	ug/l	99
11) Tert butyl alcohol	2.941	59	18334	69.713	ug/l	98
12) 1,1-Dichloroethene	2.325	96	34241	19.427	ug/l	98
13) Acrolein	2.233	56	18241	75.267	ug/l	98
14) Allyl chloride	2.666	41	63862	17.559	ug/l	99
15) Acrylonitrile	3.056	53	79336	81.442	ug/l	100
16) Acetone	2.374	43	81810	79.680	ug/l	100
17) Carbon Disulfide	2.514	76	104233	21.602	ug/l	100
18) Methyl Acetate	2.697	43	32698	14.310	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	108918	16.928	ug/l	98
20) Methylene Chloride	2.788	84	39166	18.021	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	37516	19.770	ug/l	92
22) Diisopropyl ether	3.751	45	128533	18.235	ug/l	98
23) Vinyl Acetate	3.709	43	492314	87.267	ug/l	100
24) 1,1-Dichloroethane	3.599	63	70241	18.748	ug/l	99
25) 2-Butanone	4.538	43	99825	77.945	ug/l	97
26) 2,2-Dichloropropane	4.465	77	58874	18.904	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	43468	18.705	ug/l	99
28) Bromochloromethane	4.885	49	29675	18.143	ug/l	98
29) Tetrahydrofuran	4.983	42	59828	77.654	ug/l	99
30) Chloroform	5.080	83	72428	19.131	ug/l	99
31) Cyclohexane	5.446	56	61201	19.614	ug/l	93
32) 1,1,1-Trichloroethane	5.367	97	62598	19.493	ug/l	98
36) 1,1-Dichloropropene	5.678	75	48401	19.525	ug/l	98
37) Ethyl Acetate	4.690	43	42866	16.150	ug/l	98
38) Carbon Tetrachloride	5.660	117	53844	19.991	ug/l	97
39) Methylcyclohexane	7.367	83	56127	19.946	ug/l	95
40) Benzene	6.019	78	149106	19.804	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	22929	16.733	ug/l	98
42) 1,2-Dichloroethane	6.068	62	54826	19.138	ug/l	99
43) Isopropyl Acetate	6.318	43	70749	16.252	ug/l	100
44) Trichloroethene	7.104	130	36689	20.156	ug/l	99
45) 1,2-Dichloropropane	7.415	63	37635	19.521	ug/l	100
46) Dibromomethane	7.562	93	26936	19.199	ug/l	99
47) Bromodichloromethane	7.806	83	57444	19.842	ug/l	99
48) Methyl methacrylate	7.671	41	35340	16.298	ug/l	99
49) 1,4-Dioxane	7.641	88	7765	354.348	ug/l	92
51) 4-Methyl-2-Pentanone	8.555	43	200541	83.089	ug/l	99
52) Toluene	8.702	92	93668	20.193	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	54932	18.602	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	61143	19.371	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	33878	18.940	ug/l	99
56) Ethyl methacrylate	9.098	69	48553	17.284	ug/l	98
57) 1,3-Dichloropropane	9.293	76	59890	19.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	112855	91.363	ug/l	99
59) 2-Hexanone	9.415	43	140828	81.242	ug/l	99
60) Dibromochloromethane	9.506	129	41473	20.123	ug/l	99
61) 1,2-Dibromoethane	9.592	107	35938	19.726	ug/l	100
64) Tetrachloroethene	9.256	164	30626	20.436	ug/l	98
65) Chlorobenzene	10.061	112	101845	19.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	34535	19.163	ug/l	98
67) Ethyl Benzene	10.177	91	173357	19.238	ug/l	97
68) m/p-Xylenes	10.287	106	132267	39.436	ug/l	99
69) o-Xylene	10.622	106	62993	19.418	ug/l	98
70) Styrene	10.634	104	108165	19.029	ug/l	98
71) Bromoform	10.781	173	26427	19.639	ug/l #	98
73) Isopropylbenzene	10.945	105	162619	17.970	ug/l	99
74) N-amyl acetate	10.823	43	60305	14.613	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46175	16.865	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	45237m	18.770	ug/l	
77) Bromobenzene	11.177	156	39258	17.613	ug/l	97
78) n-propylbenzene	11.287	91	196547	18.373	ug/l	100
79) 2-Chlorotoluene	11.348	91	119031	18.167	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	136540	18.364	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	13529	14.315	ug/l	95
82) 4-Chlorotoluene	11.433	91	140028	18.095	ug/l	99
83) tert-Butylbenzene	11.695	119	131943	17.336	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	135638	17.994	ug/l	99
85) sec-Butylbenzene	11.872	105	164291	18.173	ug/l	100
86) p-Isopropyltoluene	11.988	119	138550	18.102	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	74328	17.954	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	75672	17.809	ug/l	99
89) n-Butylbenzene	12.311	91	128271	18.112	ug/l	99
90) Hexachloroethane	12.518	117	25236	18.780	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	70052	17.761	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7847	14.156	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	41939	16.361	ug/l	98
94) Hexachlorobutadiene	13.701	225	16364	18.794	ug/l	97
95) Naphthalene	13.756	128	112268	14.383	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	39097	16.397	ug/l	99

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

