

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048156.D
 Acq On : 14 Oct 2025 11:20
 Operator : JC/MD
 Sample : VX1014WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:40:39 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	5.538	168	142018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	232029	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	210304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	96724	42.787	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.580%		
35) Dibromofluoromethane	5.367	113	81734	52.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.040%		
50) Toluene-d8	8.635	98	277852	51.603	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.200%		
62) 4-Bromofluorobenzene	11.061	95	106490	52.112	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	33620	22.861	ug/l	97
3) Chloromethane	1.300	50	34072	17.628	ug/l	97
4) Vinyl Chloride	1.380	62	35065	18.533	ug/l	99
5) Bromomethane	1.617	94	23170	19.313	ug/l	95
6) Chloroethane	1.697	64	21619	17.096	ug/l	95
7) Trichlorofluoromethane	1.898	101	54386	19.360	ug/l	98
8) Diethyl Ether	2.136	74	16812	14.630	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	33278	20.259	ug/l	99
10) Methyl Iodide	2.459	142	34342	13.405	ug/l	98
11) Tert butyl alcohol	2.940	59	15408	61.199	ug/l	97
12) 1,1-Dichloroethene	2.325	96	31946	18.933	ug/l	95
13) Acrolein	2.233	56	15519	66.890	ug/l	100
14) Allyl chloride	2.666	41	53446	15.350	ug/l	96
15) Acrylonitrile	3.056	53	70373	75.462	ug/l	98
16) Acetone	2.373	43	61217	62.282	ug/l	93
17) Carbon Disulfide	2.514	76	96326	20.853	ug/l	99
18) Methyl Acetate	2.697	43	28110	12.851	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	93669	15.207	ug/l	98
20) Methylene Chloride	2.788	84	35652	17.136	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	33587	18.489	ug/l	89
22) Diisopropyl ether	3.745	45	109745	16.264	ug/l	87
23) Vinyl Acetate	3.709	43	391665	72.522	ug/l	99
24) 1,1-Dichloroethane	3.605	63	60815	16.956	ug/l	98
25) 2-Butanone	4.538	43	82654	67.415	ug/l	98
26) 2,2-Dichloropropane	4.458	77	51631	17.318	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	38377	17.250	ug/l	98
28) Bromochloromethane	4.879	49	27637	17.651	ug/l	91
29) Tetrahydrofuran	4.989	42	50003	67.795	ug/l	99
30) Chloroform	5.074	83	63951	17.645	ug/l	97
31) Cyclohexane	5.458	56	56015	18.752	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	57168	18.596	ug/l	99
36) 1,1-Dichloropropene	5.678	75	43496	19.129	ug/l	96
37) Ethyl Acetate	4.696	43	37167	15.266	ug/l	97
38) Carbon Tetrachloride	5.659	117	52488	21.245	ug/l	97
39) Methylcyclohexane	7.366	83	54184	20.992	ug/l	95
40) Benzene	6.019	78	135301	19.591	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	19538	15.545	ug/l	99
42) 1,2-Dichloroethane	6.068	62	45764	17.416	ug/l	95
43) Isopropyl Acetate	6.324	43	58928	14.758	ug/l	98
44) Trichloroethene	7.104	130	35172	21.065	ug/l	87
45) 1,2-Dichloropropane	7.409	63	32826	18.562	ug/l	99
46) Dibromomethane	7.562	93	23919	18.587	ug/l	94
47) Bromodichloromethane	7.805	83	50797	19.128	ug/l	99
48) Methyl methacrylate	7.677	41	28826	14.493	ug/l	95
49) 1,4-Dioxane	7.647	88	6994	347.954	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	170189	76.874	ug/l	99
52) Toluene	8.702	92	85201	20.024	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	48713	17.984	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	53266	18.398	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	30604	18.653	ug/l	99
56) Ethyl methacrylate	9.098	69	41297	16.027	ug/l	95
57) 1,3-Dichloropropane	9.293	76	53047	18.822	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	92446	82.539	ug/l	98
59) 2-Hexanone	9.415	43	118193	74.335	ug/l	98
60) Dibromochloromethane	9.500	129	38451	20.340	ug/l	97
61) 1,2-Dibromoethane	9.592	107	32016	19.158	ug/l	99
64) Tetrachloroethene	9.256	164	31243	22.789	ug/l	95
65) Chlorobenzene	10.061	112	93338	19.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	33227	20.154	ug/l	99
67) Ethyl Benzene	10.177	91	157968	19.163	ug/l	99
68) m/p-Xylenes	10.287	106	121203	39.501	ug/l	97
69) o-Xylene	10.622	106	56980	19.199	ug/l	95
70) Styrene	10.640	104	99914	19.214	ug/l	98
71) Bromoform	10.780	173	24461	19.870	ug/l #	99
73) Isopropylbenzene	10.945	105	151949	17.719	ug/l	100
74) N-amyl acetate	10.823	43	51175	13.087	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	41410	15.961	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	39967m	17.501	ug/l	
77) Bromobenzene	11.177	156	36845	17.445	ug/l	94
78) n-propylbenzene	11.286	91	181568	17.911	ug/l	99
79) 2-Chlorotoluene	11.347	91	106892	17.216	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	124542	17.677	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	12293	13.727	ug/l	96
82) 4-Chlorotoluene	11.439	91	127403	17.374	ug/l	98
83) tert-Butylbenzene	11.695	119	124884	17.316	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	124291	17.401	ug/l	99
85) sec-Butylbenzene	11.872	105	156752	18.298	ug/l	100
86) p-Isopropyltoluene	11.988	119	134054	18.484	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	70803	18.048	ug/l	97
88) 1,4-Dichlorobenzene	12.024	146	71083	17.655	ug/l	99
89) n-Butylbenzene	12.311	91	118487	17.656	ug/l	99
90) Hexachloroethane	12.518	117	25707	20.189	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	65420	17.504	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	7417	14.120	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	39152	16.119	ug/l	98
94) Hexachlorobutadiene	13.707	225	15606	18.915	ug/l	97
95) Naphthalene	13.756	128	103418	13.982	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	37041	16.394	ug/l	99

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

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