

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048122.D
 Acq On : 10 Oct 2025 18:59
 Operator : JC/MD
 Sample : VX1010WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2025
 Supervised By : Mahesh Dadoda 10/13/2025

Quant Time: Oct 10 22:57:26 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	5.543	168	122969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	213051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	198272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	102458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102286	52.257	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.520%			
35) Dibromofluoromethane	5.373	113	79482	55.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	8.634	98	269239	54.457	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.920%			
62) 4-Bromofluorobenzene	11.061	95	104255	55.562	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.178	85	28387	22.293	ug/l	100
3) Chloromethane	1.300	50	32306	19.304	ug/l	98
4) Vinyl Chloride	1.379	62	34653	21.153	ug/l	98
5) Bromomethane	1.623	94	22455	21.616	ug/l	93
6) Chloroethane	1.696	64	22906	20.920	ug/l	97
7) Trichlorofluoromethane	1.898	101	51989	21.373	ug/l	95
8) Diethyl Ether	2.135	74	19848	19.947	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	30562	21.488	ug/l	98
10) Methyl Iodide	2.459	142	35276	15.903	ug/l	99
11) Tert butyl alcohol	2.940	59	18117	83.107	ug/l	97
12) 1,1-Dichloroethene	2.324	96	29672	20.309	ug/l	93
13) Acrolein	2.239	56	19707	98.099	ug/l	96
14) Allyl chloride	2.672	41	54399	18.044	ug/l	99
15) Acrylonitrile	3.062	53	76456	94.685	ug/l	98
16) Acetone	2.379	43	58526	68.768	ug/l	93
17) Carbon Disulfide	2.519	76	89228	22.309	ug/l	99
18) Methyl Acetate	2.702	43	30779	16.250	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	99412	18.640	ug/l	98
20) Methylene Chloride	2.794	84	36764	20.408	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	31853	20.251	ug/l	100
22) Diisopropyl ether	3.757	45	113845	19.485	ug/l	99
23) Vinyl Acetate	3.721	43	445892	95.352	ug/l	100
24) 1,1-Dichloroethane	3.611	63	63188	20.347	ug/l	99
25) 2-Butanone	4.544	43	87525	82.447	ug/l	98
26) 2,2-Dichloropropane	4.470	77	42939	16.634	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	37868	19.658	ug/l	97
28) Bromochloromethane	4.891	49	34479	25.432	ug/l	98
29) Tetrahydrofuran	4.995	42	54657	85.585	ug/l	98
30) Chloroform	5.080	83	63817	20.336	ug/l	99
31) Cyclohexane	5.464	56	52815	20.420	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	54770	20.576	ug/l	99
36) 1,1-Dichloropropene	5.684	75	43313	20.745	ug/l	99
37) Ethyl Acetate	4.696	43	38813	17.362	ug/l	99
38) Carbon Tetrachloride	5.671	117	47951	21.138	ug/l	99
39) Methylcyclohexane	7.366	83	49771	21.000	ug/l	98
40) Benzene	6.025	78	132225	20.851	ug/l	98

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41) Methacrylonitrile	4.909	41	21336	18.487	ug/l	99
42) 1,2-Dichloroethane	6.074	62	49566	20.543	ug/l	100
43) Isopropyl Acetate	6.330	43	64119	17.488	ug/l	99
44) Trichloroethene	7.116	130	32373	21.116	ug/l	90
45) 1,2-Dichloropropane	7.415	63	33915	20.886	ug/l	100
46) Dibromomethane	7.567	93	24338	20.597	ug/l	96
47) Bromodichloromethane	7.811	83	51713	21.208	ug/l	99
48) Methyl methacrylate	7.677	41	32305	17.689	ug/l	97
49) 1,4-Dioxane	7.647	88	7099	384.638	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	191826	94.365	ug/l	98
52) Toluene	8.707	92	82922	21.224	ug/l	98
53) t-1,3-Dichloropropene	8.963	75	48049	19.319	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	52911	19.903	ug/l	99
55) 1,1,2-Trichloroethane	9.140	97	31068	20.623	ug/l	99
56) Ethyl methacrylate	9.104	69	43362	18.328	ug/l	98
57) 1,3-Dichloropropane	9.293	76	55399	21.407	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	101928	97.319	ug/l	100
59) 2-Hexanone	9.415	43	128252	87.846	ug/l	100
60) Dibromochloromethane	9.506	129	37213	21.438	ug/l	97
61) 1,2-Dibromoethane	9.598	107	33204	21.639	ug/l	99
64) Tetrachloroethene	9.256	164	28329	21.918	ug/l	96
65) Chlorobenzene	10.061	112	90357	20.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	31346	20.167	ug/l	98
67) Ethyl Benzene	10.177	91	155443	20.001	ug/l	98
68) m/p-Xylenes	10.286	106	118146	40.842	ug/l	99
69) o-Xylene	10.628	106	55817	19.949	ug/l	99
70) Styrene	10.640	104	95886	19.558	ug/l	99
71) Bromoform	10.780	173	22879	19.713	ug/l #	98
73) Isopropylbenzene	10.945	105	143317	18.399	ug/l	98
74) N-amyl acetate	10.829	43	56006	15.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42709	18.122	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	37260m	17.961	ug/l	
77) Bromobenzene	11.183	156	36050	18.791	ug/l	97
78) n-propylbenzene	11.286	91	174677	18.970	ug/l	100
79) 2-Chlorotoluene	11.347	91	104492	18.528	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	121164	18.933	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	11723	14.411	ug/l	97
82) 4-Chlorotoluene	11.439	91	125288	18.809	ug/l	100
83) tert-Butylbenzene	11.701	119	120020	18.320	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	121236	18.685	ug/l	98
85) sec-Butylbenzene	11.871	105	146476	18.823	ug/l	100
86) p-Isopropyltoluene	11.993	119	125119	18.992	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	66760	18.735	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	67941	18.577	ug/l	98
89) n-Butylbenzene	12.317	91	113549	18.627	ug/l	98
90) Hexachloroethane	12.518	117	23252	20.103	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	63334	18.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7858	16.469	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	37719	17.095	ug/l	99
94) Hexachlorobutadiene	13.707	225	14901	19.883	ug/l	96
95) Naphthalene	13.755	128	106235	15.812	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	36153	17.615	ug/l	99

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

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