

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048341.D
 Acq On : 24 Oct 2025 10:15
 Operator : JC/MD
 Sample : VX1024WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	145979	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.744	114	238661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	208902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	104947	51.275	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	102.560%		
35) Dibromofluoromethane	5.367	113	67722	41.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.120%		
50) Toluene-d8	8.628	98	283427	49.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.260%		
62) 4-Bromofluorobenzene	11.061	95	105010	48.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	27195	18.122	ug/l	94
3) Chloromethane	1.300	50	14115	10.077	ug/l	93
4) Vinyl Chloride	1.379	62	36112	27.840	ug/l	98
5) Bromomethane	1.617	94	12608	14.323	ug/l	92
6) Chloroethane	1.696	64	21902	28.735	ug/l	95
7) Trichlorofluoromethane	1.898	101	61799	24.842	ug/l	98
8) Diethyl Ether	2.129	74	20019	28.600	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	33915	21.529	ug/l	99
10) Methyl Iodide	2.458	142	121848	61.528	ug/l	98
11) Tert butyl alcohol	2.934	59	16210	79.768	ug/l	98
12) 1,1-Dichloroethene	2.324	96	31747	20.715	ug/l	98
13) Acrolein	2.233	56	25338	122.255	ug/l	100
14) Allyl chloride	2.666	41	54311	21.344	ug/l	95
15) Acrylonitrile	3.056	53	70500	96.210	ug/l	99
16) Acetone	2.367	43	48526	69.111	ug/l	98
17) Carbon Disulfide	2.513	76	88439	18.310	ug/l	98
18) Methyl Acetate	2.696	43	29292	19.976	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	105877	20.250	ug/l	100
20) Methylene Chloride	2.788	84	34512	20.172	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	34044	20.223	ug/l	98
22) Diisopropyl ether	3.745	45	118430	23.336	ug/l	99
23) Vinyl Acetate	3.708	43	423009	104.344	ug/l	99
24) 1,1-Dichloroethane	3.599	63	65078	21.207	ug/l	98
25) 2-Butanone	4.531	43	75222	84.639	ug/l	95
26) 2,2-Dichloropropane	4.464	77	56864	20.530	ug/l	98
27) cis-1,2-Dichloroethene	4.476	96	39206	19.955	ug/l	96
28) Bromochloromethane	4.879	49	27053	21.261	ug/l	97
29) Tetrahydrofuran	4.982	42	51748	97.222	ug/l	99
30) Chloroform	5.074	83	68186	20.797	ug/l	99
31) Cyclohexane	5.452	56	57458	22.616	ug/l	89
32) 1,1,1-Trichloroethane	5.367	97	62899	20.816	ug/l	98
36) 1,1-Dichloropropene	5.677	75	46219	19.958	ug/l	96
37) Ethyl Acetate	4.690	43	41061	21.391	ug/l #	95
38) Carbon Tetrachloride	5.659	117	52919	18.522	ug/l	95
39) Methylcyclohexane	7.366	83	56949	20.823	ug/l	98
40) Benzene	6.019	78	135581	20.165	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	20984	20.817	ug/l	98
42) 1,2-Dichloroethane	6.068	62	52014	20.965	ug/l	99
43) Isopropyl Acetate	6.318	43	68756	21.807	ug/l	99
44) Trichloroethene	7.104	130	34170	19.247	ug/l	98
45) 1,2-Dichloropropane	7.409	63	33220	20.781	ug/l	99
46) Dibromomethane	7.561	93	24750	19.873	ug/l	98
47) Bromodichloromethane	7.805	83	52628	19.571	ug/l	99
48) Methyl methacrylate	7.677	41	33315	20.939	ug/l	96
49) 1,4-Dioxane	7.641	88	7180	341.585	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	189499	104.240	ug/l	99
52) Toluene	8.701	92	84824	19.859	ug/l	98
53) t-1,3-Dichloropropene	8.963	75	49569	19.129	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	52191	18.668	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	31755	19.991	ug/l	95
56) Ethyl methacrylate	9.098	69	45976	19.789	ug/l	97
57) 1,3-Dichloropropane	9.293	76	53530	19.729	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	118629	96.012	ug/l	99
59) 2-Hexanone	9.415	43	125025	98.630	ug/l	98
60) Dibromochloromethane	9.506	129	38132	17.861	ug/l	99
61) 1,2-Dibromoethane	9.591	107	32346	19.101	ug/l	98
64) Tetrachloroethene	9.256	164	32600	20.904	ug/l	97
65) Chlorobenzene	10.061	112	93252	19.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	32783	18.993	ug/l	99
67) Ethyl Benzene	10.177	91	163786	20.471	ug/l	99
68) m/p-Xylenes	10.286	106	122538	41.221	ug/l	99
69) o-Xylene	10.622	106	57644	20.085	ug/l	100
70) Styrene	10.640	104	98123	20.079	ug/l	98
71) Bromoform	10.780	173	23162	16.790	ug/l #	99
73) Isopropylbenzene	10.945	105	156349	20.669	ug/l	100
74) N-amyl acetate	10.823	43	58990	21.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	39902	19.317	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	35869m	21.358	ug/l	
77) Bromobenzene	11.176	156	36110	19.039	ug/l	98
78) n-propylbenzene	11.286	91	186273	21.269	ug/l	99
79) 2-Chlorotoluene	11.347	91	111240	20.949	ug/l	98
80) 1,3,5-Trimethylbenzene	11.432	105	129782	20.733	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	8393	12.159	ug/l #	53
82) 4-Chlorotoluene	11.432	91	129943	20.615	ug/l	100
83) tert-Butylbenzene	11.695	119	128952	20.049	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	129443	20.720	ug/l	99
85) sec-Butylbenzene	11.871	105	165405	21.376	ug/l	99
86) p-Isopropyltoluene	11.987	119	137775	20.599	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	68516	19.162	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	69433	18.745	ug/l	99
89) n-Butylbenzene	12.316	91	127603	20.961	ug/l	100
90) Hexachloroethane	12.518	117	22551	17.074	ug/l	99
91) 1,2-Dichlorobenzene	12.316	146	64650	19.258	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7646	18.235	ug/l	92
93) 1,2,4-Trichlorobenzene	13.566	180	42595	18.762	ug/l	100
94) Hexachlorobutadiene	13.706	225	18776	22.108	ug/l	95
95) Naphthalene	13.755	128	112756	18.747	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	39822	19.115	ug/l	98

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

