

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048313.D
 Acq On : 23 Oct 2025 10:36
 Operator : JC/MD
 Sample : VX1023WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:39:33 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	147151	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	245295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	224705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	103949	50.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.760%			
35) Dibromofluoromethane	5.367	113	66926	39.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.940%			
50) Toluene-d8	8.628	98	283676	48.329	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.660%			
62) 4-Bromofluorobenzene	11.061	95	104520	46.807	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	26358	17.424	ug/l	92
3) Chloromethane	1.301	50	14071	9.965	ug/l	92
4) Vinyl Chloride	1.380	62	36091	27.603	ug/l	98
5) Bromomethane	1.618	94	14482	16.320	ug/l	94
6) Chloroethane	1.697	64	21464	27.936	ug/l	93
7) Trichlorofluoromethane	1.898	101	60435	24.100	ug/l	100
8) Diethyl Ether	2.136	74	20460	28.997	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	33281	20.959	ug/l	100
10) Methyl Iodide	2.459	142	106188	53.193	ug/l	98
11) Tert butyl alcohol	2.928	59	15091	73.670	ug/l	99
12) 1,1-Dichloroethene	2.325	96	31569	20.434	ug/l	94
13) Acrolein	2.233	56	24072	115.221	ug/l	96
14) Allyl chloride	2.666	41	55252	21.541	ug/l	96
15) Acrylonitrile	3.050	53	73525	99.539	ug/l	97
16) Acetone	2.374	43	48432	68.428	ug/l	95
17) Carbon Disulfide	2.514	76	90329	18.552	ug/l	100
18) Methyl Acetate	2.697	43	31109	21.046	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	106367	20.182	ug/l	97
20) Methylene Chloride	2.788	84	34832	20.197	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	33827	19.934	ug/l	98
22) Diisopropyl ether	3.745	45	120730	23.599	ug/l	99
23) Vinyl Acetate	3.709	43	442636	108.316	ug/l	100
24) 1,1-Dichloroethane	3.599	63	64878	20.973	ug/l	99
25) 2-Butanone	4.532	43	77417	86.415	ug/l	98
26) 2,2-Dichloropropane	4.458	77	58337	20.894	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	40187	20.291	ug/l	97
28) Bromochloromethane	4.885	49	30406	23.706	ug/l	98
29) Tetrahydrofuran	4.983	42	52763	98.339	ug/l	98
30) Chloroform	5.074	83	69099	20.908	ug/l	92
31) Cyclohexane	5.452	56	54916	21.443	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	61534	20.203	ug/l	98
36) 1,1-Dichloropropene	5.678	75	46781	19.654	ug/l	99
37) Ethyl Acetate	4.690	43	41895	21.236	ug/l	98
38) Carbon Tetrachloride	5.660	117	54351	18.509	ug/l	97
39) Methylcyclohexane	7.367	83	52148	18.552	ug/l	96
40) Benzene	6.019	78	139621	20.204	ug/l	99

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41) Methacrylonitrile	4.891	41	21568	20.817	ug/l	97
42) 1,2-Dichloroethane	6.068	62	53875	21.128	ug/l	99
43) Isopropyl Acetate	6.318	43	68037	20.995	ug/l	100
44) Trichloroethene	7.104	130	35584	19.501	ug/l	98
45) 1,2-Dichloropropane	7.409	63	35225	21.440	ug/l	98
46) Dibromomethane	7.562	93	25577	19.982	ug/l	99
47) Bromodichloromethane	7.805	83	55046	19.917	ug/l	100
48) Methyl methacrylate	7.671	41	33625	20.563	ug/l	97
49) 1,4-Dioxane	7.641	88	7309	338.318	ug/l #	91
51) 4-Methyl-2-Pentanone	8.555	43	192878	103.229	ug/l	99
52) Toluene	8.702	92	87790	19.997	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	50864	19.098	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	54903	19.107	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	31943	19.566	ug/l	97
56) Ethyl methacrylate	9.098	69	46389	19.426	ug/l	96
57) 1,3-Dichloropropane	9.293	76	57252	20.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	120764	95.112	ug/l	99
59) 2-Hexanone	9.409	43	125666	96.455	ug/l	99
60) Dibromochloromethane	9.506	129	39027	17.786	ug/l	98
61) 1,2-Dibromoethane	9.592	107	33418	19.201	ug/l	98
64) Tetrachloroethene	9.256	164	32760	19.529	ug/l	98
65) Chlorobenzene	10.061	112	95216	18.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	33773	18.191	ug/l	99
67) Ethyl Benzene	10.177	91	164902	19.161	ug/l	98
68) m/p-Xylenes	10.281	106	124111	38.814	ug/l	99
69) o-Xylene	10.622	106	59325	19.217	ug/l	99
70) Styrene	10.640	104	102778	19.552	ug/l	99
71) Bromoform	10.781	173	23702	15.973	ug/l #	98
73) Isopropylbenzene	10.945	105	155110	19.627	ug/l	100
74) N-amyl acetate	10.823	43	60439	21.560	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	40972	18.984	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	37291m	21.253	ug/l	
77) Bromobenzene	11.183	156	37562	18.955	ug/l	97
78) n-propylbenzene	11.287	91	186336	20.364	ug/l	100
79) 2-Chlorotoluene	11.348	91	111582	20.113	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	128951	19.717	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9386	13.014	ug/l #	67
82) 4-Chlorotoluene	11.433	91	133302	20.241	ug/l	98
83) tert-Butylbenzene	11.695	119	126631	18.845	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	131272	20.112	ug/l	98
85) sec-Butylbenzene	11.872	105	159205	19.692	ug/l	99
86) p-Isopropyltoluene	11.988	119	132340	18.938	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	71897	19.246	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	73946	19.108	ug/l	98
89) n-Butylbenzene	12.311	91	123169	19.365	ug/l	99
90) Hexachloroethane	12.518	117	22372	16.212	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	66922	19.080	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8050	18.376	ug/l	89
93) 1,2,4-Trichlorobenzene	13.567	180	43062	18.155	ug/l	100
94) Hexachlorobutadiene	13.707	225	16683	18.812	ug/l	97
95) Naphthalene	13.756	128	114858	18.278	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	39319	18.065	ug/l	98

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

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