

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048247.D
 Acq On : 20 Oct 2025 18:22
 Operator : JC/MD
 Sample : VX1020WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 06:14:01 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	5.544	168	114781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	195841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	183563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	92554	57.512	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.020%			
35) Dibromofluoromethane	5.379	113	71144	53.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.635	98	243288	51.915	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.820%			
62) 4-Bromofluorobenzene	11.061	95	92954	52.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	20476	17.353	ug/l	94
3) Chloromethane	1.301	50	23064	20.941	ug/l	98
4) Vinyl Chloride	1.380	62	19788	19.402	ug/l	95
5) Bromomethane	1.618	94	14871	21.485	ug/l	96
6) Chloroethane	1.697	64	11916	19.883	ug/l #	87
7) Trichlorofluoromethane	1.898	101	35760	18.282	ug/l	97
8) Diethyl Ether	2.136	74	12054	21.901	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.337	101	21976	17.742	ug/l	96
10) Methyl Iodide	2.453	142	25897	16.631	ug/l	99
11) Tert butyl alcohol	2.947	59	17281	108.152	ug/l	99
12) 1,1-Dichloroethene	2.325	96	22080	18.323	ug/l	94
13) Acrolein	2.240	56	19228	117.991	ug/l	100
14) Allyl chloride	2.666	41	37950	18.968	ug/l	99
15) Acrylonitrile	3.056	53	60459	104.933	ug/l	100
16) Acetone	2.374	43	47646	86.302	ug/l	96
17) Carbon Disulfide	2.520	76	65187	17.164	ug/l	100
18) Methyl Acetate	2.703	43	23295	20.204	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	83700	20.360	ug/l	100
20) Methylene Chloride	2.794	84	29196	21.703	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	25126	18.982	ug/l	97
22) Diisopropyl ether	3.751	45	84376	21.145	ug/l	91
23) Vinyl Acetate	3.715	43	335871	105.369	ug/l	95
24) 1,1-Dichloroethane	3.605	63	47157	19.544	ug/l	98
25) 2-Butanone	4.544	43	68946	98.664	ug/l	98
26) 2,2-Dichloropropane	4.471	77	36422	16.724	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	30801	19.938	ug/l	97
28) Bromochloromethane	4.891	49	23578	23.567	ug/l	87
29) Tetrahydrofuran	4.989	42	42373	101.247	ug/l	92
30) Chloroform	5.080	83	53451	20.734	ug/l	98
31) Cyclohexane	5.465	56	36130	18.086	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	44597	18.771	ug/l	98
36) 1,1-Dichloropropene	5.684	75	32010	16.845	ug/l	100
37) Ethyl Acetate	4.709	43	32299	20.506	ug/l	98
38) Carbon Tetrachloride	5.672	117	40183	17.139	ug/l	94
39) Methylcyclohexane	7.367	83	36797	16.396	ug/l	95
40) Benzene	6.025	78	104164	18.880	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	16538	19.993	ug/l	96
42) 1,2-Dichloroethane	6.068	62	40822	20.051	ug/l	100
43) Isopropyl Acetate	6.330	43	52028	20.109	ug/l	97
44) Trichloroethene	7.111	130	26497	18.188	ug/l	94
45) 1,2-Dichloropropane	7.415	63	26694	20.350	ug/l	98
46) Dibromomethane	7.568	93	20469	20.029	ug/l	94
47) Bromodichloromethane	7.806	83	43761	19.832	ug/l	99
48) Methyl methacrylate	7.678	41	25318	19.392	ug/l	95
49) 1,4-Dioxane	7.641	88	6386	370.238	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	153370	102.812	ug/l	96
52) Toluene	8.702	92	65370	18.650	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	42315	19.900	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	44419	19.362	ug/l #	88
55) 1,1,2-Trichloroethane	9.135	97	27480	21.083	ug/l	98
56) Ethyl methacrylate	9.104	69	38089	19.978	ug/l	96
57) 1,3-Dichloropropane	9.293	76	46146	20.726	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	92914	91.719	ug/l	95
59) 2-Hexanone	9.415	43	108257	104.075	ug/l	97
60) Dibromochloromethane	9.507	129	36604	20.894	ug/l	98
61) 1,2-Dibromoethane	9.592	107	29765	21.420	ug/l	93
64) Tetrachloroethene	9.257	164	23320	17.018	ug/l	97
65) Chlorobenzene	10.061	112	78337	18.971	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	28648	18.889	ug/l	100
67) Ethyl Benzene	10.177	91	125292	17.821	ug/l	99
68) m/p-Xylenes	10.287	106	95614	36.604	ug/l	99
69) o-Xylene	10.622	106	46336	18.374	ug/l	97
70) Styrene	10.640	104	82194	19.141	ug/l	99
71) Bromoform	10.781	173	23892	19.710	ug/l #	99
73) Isopropylbenzene	10.945	105	118461	17.504	ug/l	99
74) N-amyl acetate	10.823	43	45284	18.864	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	37724	20.412	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	33455m	22.265	ug/l	
77) Bromobenzene	11.177	156	32159	18.952	ug/l	93
78) n-propylbenzene	11.287	91	136981	17.482	ug/l	97
79) 2-Chlorotoluene	11.348	91	85588	18.016	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	100372	17.922	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	10903	17.654	ug/l	99
82) 4-Chlorotoluene	11.439	91	102658	18.204	ug/l	97
83) tert-Butylbenzene	11.695	119	102465	17.807	ug/l	95
84) 1,2,4-Trimethylbenzene	11.732	105	101437	18.149	ug/l	99
85) sec-Butylbenzene	11.872	105	118566	17.126	ug/l	100
86) p-Isopropyltoluene	11.994	119	102269	17.091	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	57585	18.001	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	58623	17.690	ug/l	98
89) n-Butylbenzene	12.311	91	89874	16.501	ug/l	99
90) Hexachloroethane	12.518	117	19902	16.842	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	54922	18.286	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	6943	18.508	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	33533	16.510	ug/l	100
94) Hexachlorobutadiene	13.707	225	12548	16.531	ug/l	97
95) Naphthalene	13.756	128	94002	17.469	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	31666	16.990	ug/l	98

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

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