

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048240.D
 Acq On : 20 Oct 2025 15:50
 Operator : JC/MD
 Sample : VX1020WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 16:11:04 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	5.537	168	134660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	221833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	200515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	97664	51.728	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.460%			
35) Dibromofluoromethane	5.367	113	77595	51.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	8.628	98	275727	51.943	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.880%			
62) 4-Bromofluorobenzene	11.061	95	103135	51.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	24708	17.848	ug/l	95
3) Chloromethane	1.300	50	25077	19.407	ug/l	95
4) Vinyl Chloride	1.380	62	22981	19.206	ug/l	94
5) Bromomethane	1.617	94	17486	21.534	ug/l	98
6) Chloroethane	1.697	64	14806	21.058	ug/l	90
7) Trichlorofluoromethane	1.898	101	42803	18.652	ug/l	98
8) Diethyl Ether	2.136	74	12617	19.540	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	26596	18.302	ug/l	96
10) Methyl Iodide	2.453	142	31308	17.138	ug/l	97
11) Tert butyl alcohol	2.940	59	17139	91.429	ug/l	96
12) 1,1-Dichloroethene	2.325	96	27320	19.324	ug/l	91
13) Acrolein	2.233	56	21046	110.081	ug/l	100
14) Allyl chloride	2.666	41	45510	19.389	ug/l	97
15) Acrylonitrile	3.056	53	63454	93.873	ug/l	99
16) Acetone	2.373	43	55537	85.745	ug/l	99
17) Carbon Disulfide	2.514	76	79653	17.877	ug/l	99
18) Methyl Acetate	2.696	43	26712	19.748	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	90374	18.738	ug/l	95
20) Methylene Chloride	2.788	84	31460	19.934	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	30232	19.468	ug/l	91
22) Diisopropyl ether	3.751	45	94293	20.141	ug/l	91
23) Vinyl Acetate	3.708	43	367791	98.349	ug/l	96
24) 1,1-Dichloroethane	3.605	63	53132	18.769	ug/l	96
25) 2-Butanone	4.532	43	75407	91.980	ug/l	99
26) 2,2-Dichloropropane	4.458	77	45475	17.798	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	34657	19.122	ug/l	99
28) Bromochloromethane	4.885	49	25158	21.434	ug/l	84
29) Tetrahydrofuran	4.989	42	46399	94.500	ug/l	93
30) Chloroform	5.074	83	58330	19.287	ug/l	97
31) Cyclohexane	5.458	56	43852	18.711	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	52467	18.824	ug/l	97
36) 1,1-Dichloropropene	5.678	75	39432	18.319	ug/l	98
37) Ethyl Acetate	4.696	43	32030	17.952	ug/l	97
38) Carbon Tetrachloride	5.659	117	46868	17.648	ug/l	95
39) Methylcyclohexane	7.360	83	44057	17.331	ug/l	95
40) Benzene	6.019	78	117785	18.847	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	18270	19.499	ug/l	99
42) 1,2-Dichloroethane	6.074	62	43384	18.813	ug/l	99
43) Isopropyl Acetate	6.318	43	55493	18.935	ug/l	97
44) Trichloroethene	7.110	130	31625	19.165	ug/l	95
45) 1,2-Dichloropropane	7.409	63	28870	19.430	ug/l	99
46) Dibromomethane	7.561	93	21882	18.903	ug/l	94
47) Bromodichloromethane	7.805	83	47249	18.904	ug/l	100
48) Methyl methacrylate	7.677	41	27258	18.432	ug/l	95
49) 1,4-Dioxane	7.641	88	7038	360.230	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	160265	94.846	ug/l	97
52) Toluene	8.701	92	76478	19.263	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	45485	18.884	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	49253	18.953	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	28845	19.537	ug/l	98
56) Ethyl methacrylate	9.098	69	40543	18.774	ug/l	92
57) 1,3-Dichloropropane	9.293	76	48615	19.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	100252	87.448	ug/l	95
59) 2-Hexanone	9.415	43	111445	94.586	ug/l	97
60) Dibromochloromethane	9.500	129	36715	18.502	ug/l	100
61) 1,2-Dibromoethane	9.592	107	30136	19.146	ug/l	97
64) Tetrachloroethene	9.256	164	26462	17.678	ug/l	96
65) Chlorobenzene	10.061	112	85866	19.036	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.146	131	31130	18.790	ug/l	98
67) Ethyl Benzene	10.177	91	141796	18.464	ug/l	98
68) m/p-Xylenes	10.287	106	109872	38.506	ug/l	99
69) o-Xylene	10.622	106	51473	18.685	ug/l	99
70) Styrene	10.640	104	89782	19.141	ug/l	100
71) Bromoform	10.780	173	24689	18.645	ug/l #	99
73) Isopropylbenzene	10.945	105	135441	18.256	ug/l	98
74) N-amyl acetate	10.823	43	47216	17.942	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	38478	18.992	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	29974m	18.197	ug/l	
77) Bromobenzene	11.183	156	35128	18.883	ug/l	92
78) n-propylbenzene	11.286	91	159455	18.563	ug/l	98
79) 2-Chlorotoluene	11.347	91	95469	18.331	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	114180	18.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	11508	16.997	ug/l	97
82) 4-Chlorotoluene	11.433	91	117079	18.938	ug/l	99
83) tert-Butylbenzene	11.695	119	116521	18.471	ug/l	95
84) 1,2,4-Trimethylbenzene	11.731	105	113408	18.509	ug/l	100
85) sec-Butylbenzene	11.872	105	136883	18.036	ug/l	99
86) p-Isopropyltoluene	11.994	119	118427	18.053	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	63018	17.970	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	65076	17.912	ug/l	98
89) n-Butylbenzene	12.311	91	102164	17.110	ug/l	100
90) Hexachloroethane	12.518	117	22644	17.480	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	60180	18.277	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	7243	17.612	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	35892	16.119	ug/l	98
94) Hexachlorobutadiene	13.707	225	14244	17.115	ug/l	97
95) Naphthalene	13.755	128	102306	17.342	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	34331	16.802	ug/l	97

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

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