

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048255.D
 Acq On : 21 Oct 2025 10:06
 Operator : JC/MD
 Sample : VX1021WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 04:23:14 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	141199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	230109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	97363	49.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.360%		
35) Dibromofluoromethane	5.367	113	77378	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.520%		
50) Toluene-d8	8.628	98	263067	47.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.560%		
62) 4-Bromofluorobenzene	11.061	95	104113	49.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	24401	16.810	ug/l	98
3) Chloromethane	1.300	50	24074	17.768	ug/l	98
4) Vinyl Chloride	1.380	62	22127	17.636	ug/l	98
5) Bromomethane	1.617	94	16447	19.316	ug/l	99
6) Chloroethane	1.697	64	13922	18.884	ug/l	91
7) Trichlorofluoromethane	1.898	101	42595	17.702	ug/l	99
8) Diethyl Ether	2.136	74	12470	18.418	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	26749	17.555	ug/l	96
10) Methyl Iodide	2.453	142	32960	17.207	ug/l	100
11) Tert butyl alcohol	2.940	59	13580	69.088	ug/l #	85
12) 1,1-Dichloroethene	2.325	96	26679	17.997	ug/l	89
13) Acrolein	2.233	56	19860	99.067	ug/l	99
14) Allyl chloride	2.666	41	43917	17.844	ug/l	97
15) Acrylonitrile	3.056	53	59914	84.532	ug/l	99
16) Acetone	2.373	43	55899	82.307	ug/l	97
17) Carbon Disulfide	2.514	76	77662	16.623	ug/l	97
18) Methyl Acetate	2.696	43	24826	17.503	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	89211	17.640	ug/l	95
20) Methylene Chloride	2.788	84	31545	19.062	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	29134	17.892	ug/l	97
22) Diisopropyl ether	3.745	45	95604	19.476	ug/l	91
23) Vinyl Acetate	3.708	43	367608	93.748	ug/l	97
24) 1,1-Dichloroethane	3.605	63	54562	18.382	ug/l	98
25) 2-Butanone	4.538	43	73253	85.214	ug/l	100
26) 2,2-Dichloropropane	4.464	77	47833	17.854	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	35928	18.906	ug/l	98
28) Bromochloromethane	4.879	49	26532	21.558	ug/l	88
29) Tetrahydrofuran	4.983	42	43984	85.433	ug/l	97
30) Chloroform	5.074	83	59628	18.803	ug/l	98
31) Cyclohexane	5.452	56	47112	19.171	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	52848	18.082	ug/l	98
36) 1,1-Dichloropropene	5.678	75	40242	18.023	ug/l	100
37) Ethyl Acetate	4.690	43	32251	17.426	ug/l	98
38) Carbon Tetrachloride	5.665	117	46896	17.024	ug/l	98
39) Methylcyclohexane	7.360	83	44764	16.976	ug/l	95
40) Benzene	6.019	78	120185	18.540	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	17591	18.099	ug/l	97
42) 1,2-Dichloroethane	6.062	62	45577	19.053	ug/l	99
43) Isopropyl Acetate	6.318	43	52903	17.402	ug/l	96
44) Trichloroethene	7.110	130	30995	18.107	ug/l	99
45) 1,2-Dichloropropane	7.415	63	29673	19.252	ug/l	95
46) Dibromomethane	7.567	93	22037	18.352	ug/l	94
47) Bromodichloromethane	7.799	83	48240	18.606	ug/l	99
48) Methyl methacrylate	7.677	41	26320	17.158	ug/l	94
49) 1,4-Dioxane	7.647	88	5926	292.405	ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	152275	86.877	ug/l	96
52) Toluene	8.701	92	77240	18.755	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	46020	18.419	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	50705	18.810	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	29313	19.140	ug/l	98
56) Ethyl methacrylate	9.098	69	39990	17.852	ug/l	93
57) 1,3-Dichloropropane	9.293	76	50123	19.160	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	98096	82.586	ug/l	96
59) 2-Hexanone	9.415	43	104997	85.909	ug/l	96
60) Dibromochloromethane	9.500	129	37288	18.114	ug/l	99
61) 1,2-Dibromoethane	9.592	107	30294	18.554	ug/l	98
64) Tetrachloroethene	9.256	164	26804	16.909	ug/l	99
65) Chlorobenzene	10.061	112	85855	17.974	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	30819	17.566	ug/l	98
67) Ethyl Benzene	10.177	91	144956	17.824	ug/l	98
68) m/p-Xylenes	10.287	106	111086	36.763	ug/l	99
69) o-Xylene	10.622	106	52686	18.060	ug/l	97
70) Styrene	10.634	104	93575	18.838	ug/l	99
71) Bromoform	10.780	173	23770	16.952	ug/l #	99
73) Isopropylbenzene	10.945	105	138728	17.144	ug/l	100
74) N-amyl acetate	10.823	43	46339	16.144	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	38121	17.251	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	33965m	18.905	ug/l	
77) Bromobenzene	11.177	156	34669	17.087	ug/l	94
78) n-propylbenzene	11.286	91	161765	17.266	ug/l	98
79) 2-Chlorotoluene	11.347	91	98234	17.293	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	114762	17.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12207	16.530	ug/l	96
82) 4-Chlorotoluene	11.433	91	115993	17.202	ug/l	97
83) tert-Butylbenzene	11.695	119	117710	17.108	ug/l	95
84) 1,2,4-Trimethylbenzene	11.731	105	114927	17.197	ug/l	100
85) sec-Butylbenzene	11.872	105	138342	16.712	ug/l	99
86) p-Isopropyltoluene	11.987	119	119237	16.665	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	65615	17.154	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	65796	16.604	ug/l	98
89) n-Butylbenzene	12.317	91	103383	15.875	ug/l	99
90) Hexachloroethane	12.518	117	22360	15.825	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	61839	17.219	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	6372	14.205	ug/l	96
93) 1,2,4-Trichlorobenzene	13.566	180	36955	15.216	ug/l	98
94) Hexachlorobutadiene	13.707	225	14253	15.707	ug/l	97
95) Naphthalene	13.755	128	98736	15.345	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	34440	15.454	ug/l	97

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

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