

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048250.D
 Acq On : 20 Oct 2025 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 21 06:16:43 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	139607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	238004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	91100	46.542	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.080%		
35) Dibromofluoromethane	5.373	113	74151	45.636	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.280%		
50) Toluene-d8	8.634	98	254653	44.713	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.420%#		
62) 4-Bromofluorobenzene	11.061	95	100937	46.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	54463	37.949	ug/l	97
3) Chloromethane	1.300	50	53315	39.799	ug/l	96
4) Vinyl Chloride	1.380	62	51029	41.136	ug/l	99
5) Bromomethane	1.611	94	35864	42.601	ug/l	94
6) Chloroethane	1.691	64	31620	43.378	ug/l	97
7) Trichlorofluoromethane	1.892	101	97500	40.982	ug/l	99
8) Diethyl Ether	2.136	74	30102	44.968	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	60929	40.443	ug/l	95
10) Methyl Iodide	2.459	142	84168	44.441	ug/l	100
11) Tert butyl alcohol	2.946	59	37972	195.385	ug/l	98
12) 1,1-Dichloroethene	2.325	96	61159	41.727	ug/l	94
13) Acrolein	2.239	56	42514	214.491	ug/l	98
14) Allyl chloride	2.666	41	103340	42.467	ug/l	97
15) Acrylonitrile	3.056	53	156803	223.753	ug/l	99
16) Acetone	2.373	43	117599	175.130	ug/l	96
17) Carbon Disulfide	2.514	76	177056	38.329	ug/l	100
18) Methyl Acetate	2.703	43	63263	45.112	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	222981	44.595	ug/l	100
20) Methylene Chloride	2.788	84	73170	44.720	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	69597	43.228	ug/l	96
22) Diisopropyl ether	3.751	45	223032	45.952	ug/l	93
23) Vinyl Acetate	3.715	43	896740	231.296	ug/l	96
24) 1,1-Dichloroethane	3.605	63	127890	43.578	ug/l	99
25) 2-Butanone	4.544	43	179090	210.709	ug/l	99
26) 2,2-Dichloropropane	4.471	77	103563	39.096	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	82973	44.159	ug/l	97
28) Bromochloromethane	4.891	49	62244	51.151	ug/l	90
29) Tetrahydrofuran	4.989	42	114202	224.351	ug/l	95
30) Chloroform	5.080	83	135447	43.198	ug/l	97
31) Cyclohexane	5.464	56	104755	43.114	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	123078	42.592	ug/l	98
36) 1,1-Dichloropropene	5.684	75	91151	39.469	ug/l	99
37) Ethyl Acetate	4.702	43	76900	40.173	ug/l	96
38) Carbon Tetrachloride	5.672	117	107972	37.895	ug/l	95
39) Methylcyclohexane	7.366	83	107188	39.300	ug/l	92
40) Benzene	6.025	78	280412	41.821	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	42951	42.726	ug/l	96
42) 1,2-Dichloroethane	6.074	62	102580	41.460	ug/l	99
43) Isopropyl Acetate	6.324	43	133321	42.401	ug/l #	94
44) Trichloroethene	7.110	130	72723	41.075	ug/l	89
45) 1,2-Dichloropropane	7.415	63	68867	43.200	ug/l	98
46) Dibromomethane	7.568	93	52507	42.277	ug/l	94
47) Bromodichloromethane	7.805	83	111343	41.521	ug/l	99
48) Methyl methacrylate	7.677	41	67583	42.595	ug/l	93
49) 1,4-Dioxane	7.647	88	16924	807.374	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	387550	213.772	ug/l	95
52) Toluene	8.702	92	176360	41.403	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	109424	42.344	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	117004	41.966	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	67214	42.431	ug/l	99
56) Ethyl methacrylate	9.104	69	103017	44.462	ug/l	93
57) 1,3-Dichloropropane	9.293	76	115414	42.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	266044	213.796	ug/l	96
59) 2-Hexanone	9.415	43	266829	211.078	ug/l	95
60) Dibromochloromethane	9.506	129	87021	40.872	ug/l	100
61) 1,2-Dibromoethane	9.592	107	71534	42.360	ug/l	98
64) Tetrachloroethene	9.256	164	62251	37.463	ug/l	99
65) Chlorobenzene	10.061	112	199218	39.787	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	72921	39.651	ug/l	99
67) Ethyl Benzene	10.177	91	340670	39.962	ug/l	99
68) m/p-Xylenes	10.287	106	258895	81.737	ug/l	99
69) o-Xylene	10.622	106	124210	40.619	ug/l	99
70) Styrene	10.640	104	217296	41.732	ug/l	99
71) Bromoform	10.780	173	57595	39.184	ug/l #	100
73) Isopropylbenzene	10.945	105	320429	39.266	ug/l	99
74) N-amyl acetate	10.823	43	121526	41.983	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	89867	40.326	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	81515m	44.991	ug/l	
77) Bromobenzene	11.183	156	82137	40.142	ug/l	95
78) n-propylbenzene	11.286	91	375729	39.766	ug/l	97
79) 2-Chlorotoluene	11.347	91	227832	39.772	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	267685	39.638	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	28849	38.739	ug/l	98
82) 4-Chlorotoluene	11.439	91	269666	39.656	ug/l	97
83) tert-Butylbenzene	11.695	119	274302	39.532	ug/l	96
84) 1,2,4-Trimethylbenzene	11.731	105	270928	40.199	ug/l	100
85) sec-Butylbenzene	11.872	105	321937	38.565	ug/l	100
86) p-Isopropyltoluene	11.994	119	275642	38.201	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	149462	38.747	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	150187	37.584	ug/l	99
89) n-Butylbenzene	12.311	91	243576	37.088	ug/l	99
90) Hexachloroethane	12.518	117	51888	36.415	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	140047	38.670	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	18165	40.157	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	89376	36.492	ug/l	99
94) Hexachlorobutadiene	13.707	225	32393	35.315	ug/l	99
95) Naphthalene	13.755	128	261541	40.307	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	84101	37.421	ug/l	98

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

