

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048232.D
 Acq On : 20 Oct 2025 12:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 12:35:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	124491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	201906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	184494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84951	44.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.100%		
35) Dibromofluoromethane	5.379	113	66593	47.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.635	98	239295	47.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.061	95	89579	48.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	60172	46.052	ug/l	98
3) Chloromethane	1.301	50	55934	35.336	ug/l	100
4) Vinyl Chloride	1.380	62	51819	31.067	ug/l	99
5) Bromomethane	1.618	94	35101	31.646	ug/l	98
6) Chloroethane	1.697	64	30718	28.940	ug/l	95
7) Trichlorofluoromethane	1.898	101	100423	38.358	ug/l	99
8) Diethyl Ether	2.136	74	27723	31.044	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	62391	42.290	ug/l	95
10) Methyl Iodide	2.459	142	82552	46.716	ug/l	99
11) Tert butyl alcohol	2.947	59	38534	301.123	ug/l	99
12) 1,1-Dichloroethene	2.325	96	60330	41.821	ug/l	94
13) Acrolein	2.239	56	40536	150.726	ug/l	100
14) Allyl chloride	2.666	41	100234	38.627	ug/l	97
15) Acrylonitrile	3.056	53	149009	243.004	ug/l	100
16) Acetone	2.374	43	126003	191.520	ug/l	100
17) Carbon Disulfide	2.514	76	179492	40.440	ug/l	99
18) Methyl Acetate	2.703	43	58071	43.336	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	212092	48.809	ug/l	96
20) Methylene Chloride	2.788	84	68663	42.841	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	66608	44.631	ug/l	96
22) Diisopropyl ether	3.757	45	206901	40.720	ug/l	91
23) Vinyl Acetate	3.715	43	839370	220.927	ug/l	97
24) 1,1-Dichloroethane	3.611	63	121657	42.204	ug/l	99
25) 2-Butanone	4.544	43	175075	228.411	ug/l	93
26) 2,2-Dichloropropane	4.471	77	109062	44.264	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	77911	43.988	ug/l	98
28) Bromochloromethane	4.885	49	54919	41.331	ug/l	85
29) Tetrahydrofuran	4.989	42	106381	236.335	ug/l	93
30) Chloroform	5.087	83	130274	42.925	ug/l	96
31) Cyclohexane	5.465	56	102251	43.351	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	121090	48.560	ug/l	99
36) 1,1-Dichloropropene	5.684	75	87493	44.323	ug/l	98
37) Ethyl Acetate	4.702	43	74261	47.073	ug/l	97
38) Carbon Tetrachloride	5.666	117	111708	49.302	ug/l	98
39) Methylcyclohexane	7.367	83	109077	49.008	ug/l	94
40) Benzene	6.025	78	262745	44.825	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	41293	48.874	ug/l	96
42) 1,2-Dichloroethane	6.074	62	100937	48.064	ug/l	99
43) Isopropyl Acetate	6.324	43	128290	48.444	ug/l	96
44) Trichloroethene	7.111	130	70313	47.597	ug/l	98
45) 1,2-Dichloropropane	7.415	63	64895	43.746	ug/l	99
46) Dibromomethane	7.568	93	49874	46.726	ug/l	94
47) Bromodichloromethane	7.806	83	108671	47.107	ug/l	97
48) Methyl methacrylate	7.678	41	65057	47.990	ug/l	94
49) 1,4-Dioxane	7.647	88	17905	1467.288	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	380665	258.320	ug/l	95
52) Toluene	8.702	92	173942	49.373	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	109960	50.880	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	115534	49.046	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	64737	49.248	ug/l	96
56) Ethyl methacrylate	9.104	69	98851	55.290	ug/l	94
57) 1,3-Dichloropropane	9.293	76	110709	48.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	262387	285.817	ug/l	95
59) 2-Hexanone	9.415	43	269143	261.113	ug/l	96
60) Dibromochloromethane	9.506	129	85760	52.123	ug/l	98
61) 1,2-Dibromoethane	9.592	107	69022	51.208	ug/l	99
64) Tetrachloroethene	9.257	164	60510	46.776	ug/l	96
65) Chlorobenzene	10.061	112	192841	47.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	71930	49.482	ug/l	98
67) Ethyl Benzene	10.177	91	336660	48.680	ug/l	99
68) m/p-Xylenes	10.287	106	253662	98.455	ug/l	100
69) o-Xylene	10.622	106	122582	50.542	ug/l	98
70) Styrene	10.640	104	210861	50.508	ug/l	100
71) Bromoform	10.781	173	56874	53.279	ug/l #	100
73) Isopropylbenzene	10.945	105	317974	49.321	ug/l	100
74) N-amyl acetate	10.823	43	115683	48.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	87705	48.020	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	68104m	48.115	ug/l	
77) Bromobenzene	11.183	156	79543	49.303	ug/l	94
78) n-propylbenzene	11.287	91	372312	47.621	ug/l	98
79) 2-Chlorotoluene	11.348	91	222217	47.045	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	265174	50.108	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	29295	50.678	ug/l	98
82) 4-Chlorotoluene	11.439	91	267236	48.142	ug/l	98
83) tert-Butylbenzene	11.695	119	270202	50.539	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	265485	50.381	ug/l	99
85) sec-Butylbenzene	11.872	105	322219	49.298	ug/l	100
86) p-Isopropyltoluene	11.994	119	276821	50.246	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	143699	47.627	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	146196	46.744	ug/l	99
89) n-Butylbenzene	12.317	91	243063	47.367	ug/l	99
90) Hexachloroethane	12.518	117	52735	45.350	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	138489	48.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	18059	54.111	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	88920	52.839	ug/l	99
94) Hexachlorobutadiene	13.707	225	34615	53.334	ug/l	97
95) Naphthalene	13.756	128	257281	57.999	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	84279	54.281	ug/l	98

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

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