

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048196.D
 Acq On : 15 Oct 2025 17:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 04:09:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	112851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	203660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94573	52.649	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.300%			
35) Dibromofluoromethane	5.373	113	70996	51.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.960%			
50) Toluene-d8	8.635	98	202346	42.814	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 85.620%#			
62) 4-Bromofluorobenzene	11.061	95	94602	52.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	65028	55.647	ug/l	100
3) Chloromethane	1.301	50	83366	54.280	ug/l	99
4) Vinyl Chloride	1.380	62	88844	59.094	ug/l	99
5) Bromomethane	1.612	94	57824	60.654	ug/l	97
6) Chloroethane	1.697	64	56400	56.129	ug/l	100
7) Trichlorofluoromethane	1.898	101	132775	59.479	ug/l	99
8) Diethyl Ether	2.136	74	49459	54.163	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	74288	56.914	ug/l	98
10) Methyl Iodide	2.459	142	93220	45.793	ug/l	98
11) Tert butyl alcohol	2.947	59	50929	254.568	ug/l	99
12) 1,1-Dichloroethene	2.325	96	76799	57.279	ug/l	97
13) Acrolein	2.240	56	50286	272.761	ug/l	97
14) Allyl chloride	2.666	41	139473	50.410	ug/l	98
15) Acrylonitrile	3.063	53	209106	282.181	ug/l	99
16) Acetone	2.374	43	161768	207.119	ug/l	99
17) Carbon Disulfide	2.514	76	225186	61.350	ug/l	100
18) Methyl Acetate	2.703	43	89598	51.547	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	263273	53.790	ug/l	100
20) Methylene Chloride	2.788	84	91443	55.311	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	83159	57.608	ug/l	96
22) Diisopropyl ether	3.751	45	295530	55.115	ug/l #	83
23) Vinyl Acetate	3.715	43	1166781	271.882	ug/l	100
24) 1,1-Dichloroethane	3.605	63	160987	56.487	ug/l	99
25) 2-Butanone	4.538	43	247406	253.946	ug/l	98
26) 2,2-Dichloropropane	4.471	77	111221	46.947	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	97164	54.962	ug/l	98
28) Bromochloromethane	4.885	49	66798	53.687	ug/l	99
29) Tetrahydrofuran	4.995	42	161242	275.117	ug/l	99
30) Chloroform	5.087	83	163737	56.854	ug/l	99
31) Cyclohexane	5.465	56	125186	52.739	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	139856	57.251	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106648	53.435	ug/l	100
37) Ethyl Acetate	4.702	43	116035	54.299	ug/l	99
38) Carbon Tetrachloride	5.672	117	122772	56.616	ug/l	96
39) Methylcyclohexane	7.367	83	116522	51.432	ug/l	98
40) Benzene	6.025	78	331957	54.761	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	59116	53.585	ug/l	98
42) 1,2-Dichloroethane	6.074	62	124821	54.118	ug/l	100
43) Isopropyl Acetate	6.324	43	182229	51.995	ug/l	99
44) Trichloroethene	7.111	130	81966	55.929	ug/l	100
45) 1,2-Dichloropropane	7.415	63	85093	54.820	ug/l	99
46) Dibromomethane	7.568	93	62071	54.952	ug/l	95
47) Bromodichloromethane	7.806	83	134567	57.732	ug/l	98
48) Methyl methacrylate	7.678	41	90835	52.032	ug/l	96
49) 1,4-Dioxane	7.647	88	18061	1023.704	ug/l #	93
51) 4-Methyl-2-Pentanone	8.555	43	434503	223.602	ug/l	98
52) Toluene	8.702	92	184090	49.292	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	112985	47.522	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	117626	46.287	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	72630	50.435	ug/l	99
56) Ethyl methacrylate	9.104	69	109802	48.550	ug/l	93
57) 1,3-Dichloropropane	9.293	76	124178	50.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	224793	210.604	ug/l	96
59) 2-Hexanone	9.415	43	310591	222.548	ug/l	96
60) Dibromochloromethane	9.507	129	92813	55.935	ug/l	99
61) 1,2-Dibromoethane	9.592	107	80066	54.586	ug/l	99
64) Tetrachloroethene	9.257	164	68443	50.652	ug/l	99
65) Chlorobenzene	10.061	112	235728	50.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	85197	52.431	ug/l	99
67) Ethyl Benzene	10.177	91	397663	48.943	ug/l	99
68) m/p-Xylenes	10.287	106	299440	99.015	ug/l	98
69) o-Xylene	10.628	106	142588	48.747	ug/l	98
70) Styrene	10.640	104	248662	48.516	ug/l	99
71) Bromoform	10.781	173	64634	53.270	ug/l #	97
73) Isopropylbenzene	10.945	105	361264	43.584	ug/l	99
74) N-amyl acetate	10.823	43	156905	41.511	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	112172	44.729	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	100990m	45.749	ug/l	
77) Bromobenzene	11.183	156	90140	44.154	ug/l	96
78) n-propylbenzene	11.287	91	435369	44.432	ug/l	100
79) 2-Chlorotoluene	11.348	91	259921	43.310	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	299591	43.992	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34040	39.324	ug/l	100
82) 4-Chlorotoluene	11.439	91	311515	43.950	ug/l	100
83) tert-Butylbenzene	11.695	119	294593	42.258	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	305898	44.305	ug/l	99
85) sec-Butylbenzene	11.872	105	358471	43.291	ug/l	100
86) p-Isopropyltoluene	11.994	119	303737	43.327	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	164037	43.260	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	165968	42.645	ug/l	100
89) n-Butylbenzene	12.311	91	272652	42.033	ug/l	99
90) Hexachloroethane	12.518	117	59491	48.335	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	159585	44.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	22063	43.454	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	93321	39.747	ug/l	98
94) Hexachlorobutadiene	13.707	225	31682	39.727	ug/l	99
95) Naphthalene	13.756	128	297328	41.588	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	90039	41.226	ug/l	99

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

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