

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047979.D
 Acq On : 02 Oct 2025 18:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 03:37:12 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	136721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	233908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	213849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	100583	46.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.440%			
35) Dibromofluoromethane	5.373	113	78978	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.635	98	279825	51.552	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.100%			
62) 4-Bromofluorobenzene	11.061	95	105788	51.352	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	68971	48.716	ug/l	98
3) Chloromethane	1.300	50	77303	41.545	ug/l	99
4) Vinyl Chloride	1.380	62	82870	45.497	ug/l	99
5) Bromomethane	1.617	94	54253	46.973	ug/l	96
6) Chloroethane	1.697	64	55041	45.213	ug/l	99
7) Trichlorofluoromethane	1.898	101	128960	47.684	ug/l	99
8) Diethyl Ether	2.136	74	48689	44.011	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	78711	49.774	ug/l	98
10) Methyl Iodide	2.459	142	102210	41.443	ug/l	98
11) Tert butyl alcohol	2.940	59	46396	191.421	ug/l	98
12) 1,1-Dichloroethene	2.325	96	75868	46.706	ug/l	96
13) Acrolein	2.239	56	43068	192.824	ug/l	100
14) Allyl chloride	2.666	41	142327	42.461	ug/l	97
15) Acrylonitrile	3.062	53	207178	230.767	ug/l	99
16) Acetone	2.373	43	159278	168.327	ug/l	99
17) Carbon Disulfide	2.520	76	187221	42.101	ug/l	100
18) Methyl Acetate	2.703	43	101054	47.987	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	264663	44.633	ug/l	97
20) Methylene Chloride	2.788	84	89302	44.585	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79233	45.306	ug/l	99
22) Diisopropyl ether	3.751	45	300215	46.214	ug/l	87
23) Vinyl Acetate	3.715	43	1170077	225.049	ug/l	100
24) 1,1-Dichloroethane	3.605	63	162449	47.048	ug/l	98
25) 2-Butanone	4.544	43	243272	206.107	ug/l	97
26) 2,2-Dichloropropane	4.471	77	120419	41.955	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	97974	45.745	ug/l	99
28) Bromochloromethane	4.891	49	75472	50.068	ug/l	99
29) Tetrahydrofuran	4.989	42	152778	215.165	ug/l	99
30) Chloroform	5.086	83	168009	48.152	ug/l	99
31) Cyclohexane	5.464	56	126237	43.897	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	143969	48.646	ug/l	100
36) 1,1-Dichloropropene	5.684	75	106040	46.260	ug/l	98
37) Ethyl Acetate	4.702	43	105411	42.948	ug/l	99
38) Carbon Tetrachloride	5.666	117	119762	48.086	ug/l	95
39) Methylcyclohexane	7.366	83	123339	47.401	ug/l	98
40) Benzene	6.025	78	335594	48.202	ug/l	100

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41) Methacrylonitrile	4.903	41	59657	47.082	ug/l	99
42) 1,2-Dichloroethane	6.074	62	124053	46.830	ug/l	99
43) Isopropyl Acetate	6.324	43	182039	45.224	ug/l	99
44) Trichloroethene	7.116	130	82160	48.812	ug/l	95
45) 1,2-Dichloropropane	7.415	63	88995	49.920	ug/l	99
46) Dibromomethane	7.568	93	62258	47.990	ug/l	97
47) Bromodichloromethane	7.805	83	132779	49.599	ug/l	99
48) Methyl methacrylate	7.677	41	91793	45.781	ug/l	98
49) 1,4-Dioxane	7.647	88	19085	941.858	ug/l	96
51) 4-Methyl-2-Pentanone	8.561	43	532643	238.660	ug/l	100
52) Toluene	8.708	92	209586	48.861	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	130969	47.963	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	140958	48.296	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	83102	50.244	ug/l	99
56) Ethyl methacrylate	9.104	69	125862	48.455	ug/l	97
57) 1,3-Dichloropropane	9.293	76	143780	50.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	330970	265.571	ug/l	100
59) 2-Hexanone	9.415	43	364535	227.424	ug/l	99
60) Dibromochloromethane	9.506	129	97603	51.215	ug/l	100
61) 1,2-Dibromoethane	9.592	107	85338	50.656	ug/l	100
64) Tetrachloroethene	9.256	164	66378	47.615	ug/l	97
65) Chlorobenzene	10.061	112	234948	48.361	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	82624	49.285	ug/l	98
67) Ethyl Benzene	10.177	91	406171	48.454	ug/l	100
68) m/p-Xylenes	10.287	106	304598	97.626	ug/l	100
69) o-Xylene	10.628	106	146407	48.514	ug/l	100
70) Styrene	10.640	104	259892	49.149	ug/l	99
71) Bromoform	10.780	173	61019	48.745	ug/l #	99
73) Isopropylbenzene	10.945	105	385293	46.666	ug/l	100
74) N-amyl acetate	10.829	43	158457	42.086	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	117113	46.883	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	101116m	45.987	ug/l	
77) Bromobenzene	11.183	156	92476	45.476	ug/l	97
78) n-propylbenzene	11.286	91	457681	46.893	ug/l	99
79) 2-Chlorotoluene	11.347	91	275680	46.117	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	317038	46.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34969	40.557	ug/l	99
82) 4-Chlorotoluene	11.439	91	323303	45.793	ug/l	99
83) tert-Butylbenzene	11.695	119	323550	46.594	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	321278	46.716	ug/l	99
85) sec-Butylbenzene	11.872	105	391915	47.516	ug/l	100
86) p-Isopropyltoluene	11.994	119	328364	47.025	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	174319	46.152	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	176848	45.620	ug/l	100
89) n-Butylbenzene	12.317	91	310704	48.088	ug/l	98
90) Hexachloroethane	12.518	117	59279	48.353	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	165086	45.878	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21529	42.569	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	105197	44.982	ug/l	98
94) Hexachlorobutadiene	13.707	225	37227	46.864	ug/l	99
95) Naphthalene	13.756	128	316402	44.430	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	100255	46.085	ug/l	99

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

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