

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048179.D
 Acq On : 14 Oct 2025 19:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:52:39 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	111387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	166920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	170366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	88633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	80904	45.631	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.260%		
35) Dibromofluoromethane	5.373	113	66689	59.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	119.140%		
50) Toluene-d8	8.635	98	213864	55.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	110.420%		
62) 4-Bromofluorobenzene	11.061	95	83793	56.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	61553	53.365	ug/l	98
3) Chloromethane	1.300	50	79412	52.385	ug/l	99
4) Vinyl Chloride	1.380	62	84111	56.682	ug/l	100
5) Bromomethane	1.611	94	55503	58.985	ug/l	94
6) Chloroethane	1.691	64	52851	53.288	ug/l	100
7) Trichlorofluoromethane	1.898	101	127797	58.002	ug/l	99
8) Diethyl Ether	2.136	74	44828	49.737	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	69938	54.285	ug/l	99
10) Methyl Iodide	2.459	142	92024	45.799	ug/l	98
11) Tert butyl alcohol	2.947	59	50226	254.354	ug/l	99
12) 1,1-Dichloroethene	2.325	96	73187	55.302	ug/l	96
13) Acrolein	2.239	56	48265	265.240	ug/l	99
14) Allyl chloride	2.666	41	134218	49.149	ug/l	99
15) Acrylonitrile	3.056	53	193346	264.342	ug/l	99
16) Acetone	2.373	43	152192	197.420	ug/l	99
17) Carbon Disulfide	2.514	76	216307	59.705	ug/l	99
18) Methyl Acetate	2.697	43	79443	46.305	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	248158	51.368	ug/l	98
20) Methylene Chloride	2.788	84	85350	52.304	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	78392	55.020	ug/l	98
22) Diisopropyl ether	3.751	45	279338	52.780	ug/l #	81
23) Vinyl Acetate	3.715	43	1104625	260.782	ug/l	99
24) 1,1-Dichloroethane	3.605	63	150108	53.362	ug/l	99
25) 2-Butanone	4.544	43	228790	237.924	ug/l	99
26) 2,2-Dichloropropane	4.471	77	109866	46.985	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	92623	53.082	ug/l	98
28) Bromochloromethane	4.885	49	62684	51.043	ug/l	100
29) Tetrahydrofuran	4.989	42	144335	249.507	ug/l	99
30) Chloroform	5.080	83	157156	55.286	ug/l	98
31) Cyclohexane	5.458	56	123188	52.580	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	138406	57.403	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105981	64.789	ug/l	98
37) Ethyl Acetate	4.702	43	101127	57.738	ug/l	99
38) Carbon Tetrachloride	5.666	117	119749	67.376	ug/l	96
39) Methylcyclohexane	7.366	83	104534	56.297	ug/l	97
40) Benzene	6.025	78	305720	61.534	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	53635	59.317	ug/l	98
42) 1,2-Dichloroethane	6.074	62	102095	54.008	ug/l	98
43) Isopropyl Acetate	6.324	43	133407	46.443	ug/l	97
44) Trichloroethene	7.110	130	71587	59.598	ug/l	95
45) 1,2-Dichloropropane	7.415	63	71867	56.491	ug/l	100
46) Dibromomethane	7.568	93	55153	59.575	ug/l	95
47) Bromodichloromethane	7.805	83	128906	67.476	ug/l	98
48) Methyl methacrylate	7.677	41	78080	54.570	ug/l	94
49) 1,4-Dioxane	7.647	88	19293	1334.227	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	498722	313.140	ug/l	99
52) Toluene	8.702	92	200217	65.410	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	124379	63.829	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	135145	64.887	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	77699	65.830	ug/l	98
56) Ethyl methacrylate	9.104	69	117870	63.589	ug/l	98
57) 1,3-Dichloropropane	9.293	76	134269	66.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	275535	306.626	ug/l	100
59) 2-Hexanone	9.415	43	345124	301.723	ug/l	100
60) Dibromochloromethane	9.506	129	95251	70.039	ug/l	98
61) 1,2-Dibromoethane	9.592	107	81432	67.736	ug/l	100
64) Tetrachloroethene	9.256	164	70565	63.537	ug/l	98
65) Chlorobenzene	10.061	112	220993	57.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	79188	59.292	ug/l	100
67) Ethyl Benzene	10.177	91	381367	57.107	ug/l	100
68) m/p-Xylenes	10.287	106	292416	117.643	ug/l	97
69) o-Xylene	10.628	106	139688	58.102	ug/l	97
70) Styrene	10.640	104	244977	58.153	ug/l	98
71) Bromoform	10.780	173	60411	60.577	ug/l #	99
73) Isopropylbenzene	10.945	105	358628	53.221	ug/l	100
74) N-amyl acetate	10.829	43	152691	49.691	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	106820	52.396	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	95866m	53.421	ug/l	
77) Bromobenzene	11.183	156	89649	54.017	ug/l	97
78) n-propylbenzene	11.286	91	425623	53.432	ug/l	99
79) 2-Chlorotoluene	11.347	91	254955	52.258	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	295468	53.370	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	33420	47.492	ug/l	98
82) 4-Chlorotoluene	11.439	91	305617	53.039	ug/l	99
83) tert-Butylbenzene	11.695	119	296728	52.358	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	302223	53.845	ug/l	99
85) sec-Butylbenzene	11.872	105	364749	54.184	ug/l	99
86) p-Isopropyltoluene	11.994	119	303000	53.167	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	162074	52.577	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	163481	51.672	ug/l	99
89) n-Butylbenzene	12.317	91	279450	52.993	ug/l	98
90) Hexachloroethane	12.518	117	59566	59.532	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	155463	52.936	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21164	51.274	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	96666	50.646	ug/l	99
94) Hexachlorobutadiene	13.707	225	34583	53.343	ug/l	98
95) Naphthalene	13.756	128	293199	50.447	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	91611	51.598	ug/l	100

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

