

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048072.D
 Acq On : 09 Oct 2025 09:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:15:55 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	5.531	168	133891	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	232812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	103010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	116172	54.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.020%			
35) Dibromofluoromethane	5.367	113	91936	58.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.760%			
50) Toluene-d8	8.628	98	294822	54.570	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.140%			
62) 4-Bromofluorobenzene	11.061	95	111926	54.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	68753	49.589	ug/l	99
3) Chloromethane	1.300	50	77854	42.725	ug/l	98
4) Vinyl Chloride	1.380	62	83548	46.839	ug/l	98
5) Bromomethane	1.617	94	56890	50.297	ug/l	96
6) Chloroethane	1.697	64	58424	49.006	ug/l	97
7) Trichlorofluoromethane	1.892	101	139589	52.705	ug/l	99
8) Diethyl Ether	2.136	74	56104	51.785	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	83027	53.613	ug/l	98
10) Methyl Iodide	2.453	142	77947	32.273	ug/l	99
11) Tert butyl alcohol	2.934	59	48364	203.758	ug/l	99
12) 1,1-Dichloroethene	2.325	96	78008	49.038	ug/l	94
13) Acrolein	2.233	56	53246	243.432	ug/l	99
14) Allyl chloride	2.666	41	155668	47.422	ug/l	98
15) Acrylonitrile	3.056	53	227926	259.244	ug/l	98
16) Acetone	2.367	43	225939	243.822	ug/l	98
17) Carbon Disulfide	2.514	76	175903	40.392	ug/l	98
18) Methyl Acetate	2.697	43	112820	54.707	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	298962	51.483	ug/l	98
20) Methylene Chloride	2.788	84	99425	50.689	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	84291	49.217	ug/l	97
22) Diisopropyl ether	3.745	45	345267	54.272	ug/l	92
23) Vinyl Acetate	3.709	43	1293543	254.054	ug/l	100
24) 1,1-Dichloroethane	3.599	63	179784	53.170	ug/l	99
25) 2-Butanone	4.532	43	276334	239.067	ug/l	100
26) 2,2-Dichloropropane	4.458	77	144896	51.551	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	108592	51.774	ug/l	99
28) Bromochloromethane	4.879	49	81555	55.247	ug/l	98
29) Tetrahydrofuran	4.983	42	155976	224.312	ug/l	100
30) Chloroform	5.074	83	188262	55.097	ug/l	99
31) Cyclohexane	5.458	56	115758	41.104	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	151590	52.303	ug/l	99
36) 1,1-Dichloropropene	5.678	75	106138	46.521	ug/l	99
37) Ethyl Acetate	4.690	43	112300	45.971	ug/l	100
38) Carbon Tetrachloride	5.659	117	125955	50.811	ug/l	99
39) Methylcyclohexane	7.360	83	110215	42.557	ug/l	99
40) Benzene	6.019	78	351292	50.695	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	65112	51.630	ug/l	98
42) 1,2-Dichloroethane	6.062	62	137528	52.161	ug/l	99
43) Isopropyl Acetate	6.318	43	190095	47.447	ug/l	99
44) Trichloroethene	7.104	130	84344	50.345	ug/l	96
45) 1,2-Dichloropropane	7.409	63	95971	54.087	ug/l	99
46) Dibromomethane	7.562	93	68547	53.086	ug/l	100
47) Bromodichloromethane	7.799	83	149105	55.959	ug/l	99
48) Methyl methacrylate	7.671	41	96035	48.122	ug/l	99
49) 1,4-Dioxane	7.641	88	21743	1078.083	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	547938	246.669	ug/l	99
52) Toluene	8.702	92	215506	50.478	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	141924	52.219	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	153909	52.981	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	90228	54.809	ug/l	98
56) Ethyl methacrylate	9.098	69	129018	49.904	ug/l	98
57) 1,3-Dichloropropane	9.293	76	153817	54.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	328449	264.840	ug/l	100
59) 2-Hexanone	9.415	43	377013	236.316	ug/l	100
60) Dibromochloromethane	9.500	129	109325	57.636	ug/l	99
61) 1,2-Dibromoethane	9.592	107	89398	53.316	ug/l	100
64) Tetrachloroethene	9.256	164	63286	46.503	ug/l	100
65) Chlorobenzene	10.061	112	241146	50.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	91525	55.925	ug/l	99
67) Ethyl Benzene	10.177	91	405378	49.538	ug/l	98
68) m/p-Xylenes	10.281	106	303568	99.667	ug/l	100
69) o-Xylene	10.622	106	147195	49.964	ug/l	100
70) Styrene	10.634	104	266941	51.713	ug/l	99
71) Bromoform	10.780	173	66977	54.809	ug/l #	100
73) Isopropylbenzene	10.945	105	386794	49.390	ug/l	100
74) N-amyl acetate	10.823	43	162589	45.527	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	121967	51.476	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	95153m	45.623	ug/l	
77) Bromobenzene	11.177	156	95686	49.608	ug/l	97
78) n-propylbenzene	11.286	91	452552	48.883	ug/l	100
79) 2-Chlorotoluene	11.347	91	280600	49.487	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	316535	49.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	36535	44.672	ug/l	99
82) 4-Chlorotoluene	11.433	91	331598	49.516	ug/l	99
83) tert-Butylbenzene	11.695	119	328976	49.946	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	321834	49.336	ug/l	99
85) sec-Butylbenzene	11.872	105	383128	48.971	ug/l	100
86) p-Isopropyltoluene	11.988	119	320894	48.448	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	177485	49.540	ug/l	100
88) 1,4-Dichlorobenzene	12.018	146	180566	49.106	ug/l	99
89) n-Butylbenzene	12.311	91	293503	47.890	ug/l	98
90) Hexachloroethane	12.518	117	61089	52.533	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	171406	50.218	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21991	45.842	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	104002	46.884	ug/l	99
94) Hexachlorobutadiene	13.707	225	34773	46.150	ug/l	99
95) Naphthalene	13.756	128	306217	45.333	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	97500	47.250	ug/l	99

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

