

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048310.D
 Acq On : 23 Oct 2025 09:20
 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 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 05:33:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.526	168	131842	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	217736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	194506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	96157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	104842	56.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.440%			
35) Dibromofluoromethane	5.367	113	66777	44.923	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.840%			
50) Toluene-d8	8.629	98	272745	52.348	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.700%			
62) 4-Bromofluorobenzene	11.061	95	101926	51.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	61961	45.716	ug/l	95
3) Chloromethane	1.301	50	31638	25.008	ug/l	98
4) Vinyl Chloride	1.380	62	82840	70.713	ug/l	100
5) Bromomethane	1.612	94	30535	38.407	ug/l	98
6) Chloroethane	1.691	64	50028	72.674	ug/l	97
7) Trichlorofluoromethane	1.892	101	136938	60.949	ug/l	98
8) Diethyl Ether	2.130	74	49977	79.055	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	75382	52.984	ug/l	99
10) Methyl Iodide	2.453	142	253707	141.848	ug/l	99
11) Tert butyl alcohol	2.934	59	43169	235.209	ug/l	99
12) 1,1-Dichloroethene	2.319	96	72608	52.456	ug/l	98
13) Acrolein	2.233	56	64910	346.770	ug/l	100
14) Allyl chloride	2.660	41	128717	56.011	ug/l	97
15) Acrylonitrile	3.050	53	180211	272.301	ug/l	99
16) Acetone	2.368	43	119014	187.675	ug/l	93
17) Carbon Disulfide	2.514	76	204271	46.826	ug/l	98
18) Methyl Acetate	2.691	43	78375	59.179	ug/l	95
19) Methyl tert-butyl Ether	3.099	73	256231	54.263	ug/l	98
20) Methylene Chloride	2.782	84	81306	52.619	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	79940	52.577	ug/l	96
22) Diisopropyl ether	3.739	45	281464	61.407	ug/l	94
23) Vinyl Acetate	3.703	43	1020633	278.756	ug/l	100
24) 1,1-Dichloroethane	3.599	63	149394	53.903	ug/l	99
25) 2-Butanone	4.526	43	178679	222.607	ug/l	98
26) 2,2-Dichloropropane	4.459	77	130696	52.245	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	93796	52.859	ug/l	97
28) Bromochloromethane	4.873	49	76860	66.882	ug/l	99
29) Tetrahydrofuran	4.971	42	129782	269.974	ug/l	99
30) Chloroform	5.068	83	158482	53.522	ug/l	98
31) Cyclohexane	5.452	56	125454	54.674	ug/l	94
32) 1,1,1-Trichloroethane	5.361	97	139843	51.244	ug/l	98
36) 1,1-Dichloropropene	5.672	75	104632	49.524	ug/l	98
37) Ethyl Acetate	4.684	43	97531	55.694	ug/l	97
38) Carbon Tetrachloride	5.654	117	119432	45.819	ug/l	98
39) Methylcyclohexane	7.361	83	123045	49.313	ug/l	98
40) Benzene	6.013	78	314585	51.285	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	48702	52.957	ug/l	95
42) 1,2-Dichloroethane	6.062	62	123142	54.403	ug/l	99
43) Isopropyl Acetate	6.312	43	161316	56.080	ug/l	99
44) Trichloroethene	7.098	130	80136	49.476	ug/l	96
45) 1,2-Dichloropropane	7.409	63	80046	54.886	ug/l	100
46) Dibromomethane	7.556	93	58711	51.673	ug/l	98
47) Bromodichloromethane	7.799	83	124563	50.775	ug/l	97
48) Methyl methacrylate	7.671	41	81637	56.242	ug/l	99
49) 1,4-Dioxane	7.635	88	18235	950.893	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	454849	274.249	ug/l	100
52) Toluene	8.702	92	198985	51.063	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	117358	49.641	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	123422	48.389	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	74268	51.249	ug/l	97
56) Ethyl methacrylate	9.098	69	112264	52.964	ug/l	98
57) 1,3-Dichloropropane	9.287	76	128768	52.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	325505	285.356	ug/l	100
59) 2-Hexanone	9.409	43	291882	252.390	ug/l	99
60) Dibromochloromethane	9.500	129	90981	46.710	ug/l	99
61) 1,2-Dibromoethane	9.592	107	78712	50.949	ug/l	96
64) Tetrachloroethene	9.257	164	74073	51.013	ug/l	97
65) Chlorobenzene	10.061	112	216325	49.441	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	78116	48.607	ug/l	99
67) Ethyl Benzene	10.177	91	377472	50.671	ug/l	100
68) m/p-Xylenes	10.281	106	284521	102.795	ug/l	99
69) o-Xylene	10.622	106	135758	50.804	ug/l	99
70) Styrene	10.634	104	236085	51.886	ug/l	99
71) Bromoform	10.781	173	54999	42.819	ug/l #	98
73) Isopropylbenzene	10.945	105	353305	50.305	ug/l	100
74) N-amyl acetate	10.823	43	143605	57.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	93987	49.003	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	78565m	50.383	ug/l	
77) Bromobenzene	11.177	156	87351	49.602	ug/l	98
78) n-propylbenzene	11.287	91	424738	52.232	ug/l	99
79) 2-Chlorotoluene	11.348	91	252299	51.174	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	294093	50.600	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	23701	36.979	ug/l #	70
82) 4-Chlorotoluene	11.433	91	299763	51.219	ug/l	98
83) tert-Butylbenzene	11.695	119	284534	47.647	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	296345	51.090	ug/l	99
85) sec-Butylbenzene	11.872	105	362645	50.475	ug/l	99
86) p-Isopropyltoluene	11.988	119	306009	49.276	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	161916	48.772	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	163646	47.582	ug/l	99
89) n-Butylbenzene	12.311	91	285241	50.464	ug/l	99
90) Hexachloroethane	12.518	117	51257	41.797	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	154083	49.434	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	19288	49.543	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	103399	49.053	ug/l	100
94) Hexachlorobutadiene	13.707	225	37663	47.685	ug/l	98
95) Naphthalene	13.756	128	281766	50.454	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	93518	48.348	ug/l	98

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

