

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048768.D
 Acq On : 09 Dec 2025 09:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 00:12:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	159019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	262535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	233121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	116263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	103325	48.411	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.820%		
35) Dibromofluoromethane	5.361	113	81924	45.321	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.640%		
50) Toluene-d8	8.629	98	288105	45.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.940%#		
62) 4-Bromofluorobenzene	11.061	95	102460	46.893	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	105188	64.922	ug/l	98
3) Chloromethane	1.301	50	109321	53.469	ug/l	99
4) Vinyl Chloride	1.380	62	114254	52.471	ug/l	99
5) Bromomethane	1.611	94	74485	55.353	ug/l	96
6) Chloroethane	1.697	64	68710	50.701	ug/l	100
7) Trichlorofluoromethane	1.898	101	166880	53.474	ug/l	95
8) Diethyl Ether	2.130	74	65744	52.780	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	96372	53.268	ug/l	99
10) Methyl Iodide	2.453	142	135545	52.625	ug/l	99
11) Tert butyl alcohol	2.934	59	95691	277.698	ug/l	99
12) 1,1-Dichloroethene	2.325	96	94538	51.197	ug/l	98
13) Acrolein	2.233	56	108478	313.834	ug/l	99
14) Allyl chloride	2.660	41	179237	57.815	ug/l	98
15) Acrylonitrile	3.050	53	326098	303.711	ug/l	100
16) Acetone	2.367	43	311443	381.173	ug/l	100
17) Carbon Disulfide	2.514	76	272443	50.806	ug/l	98
18) Methyl Acetate	2.691	43	143330	62.347	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	340215	56.613	ug/l	99
20) Methylene Chloride	2.788	84	106975	52.380	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	99986	53.054	ug/l	98
22) Diisopropyl ether	3.739	45	355707	61.392	ug/l	88
23) Vinyl Acetate	3.703	43	1594758	327.571	ug/l	97
24) 1,1-Dichloroethane	3.599	63	184632	57.144	ug/l	98
25) 2-Butanone	4.526	43	419918	348.217	ug/l	94
26) 2,2-Dichloropropane	4.459	77	158969	55.605	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	116810	54.926	ug/l	92
28) Bromochloromethane	4.873	49	79357	50.110	ug/l	82
29) Tetrahydrofuran	4.971	42	279835	303.903	ug/l	93
30) Chloroform	5.068	83	189898	54.852	ug/l	98
31) Cyclohexane	5.452	56	155023	53.740	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	165423	53.328	ug/l	96
36) 1,1-Dichloropropene	5.672	75	128099	51.739	ug/l	97
37) Ethyl Acetate	4.684	43	189075	63.912	ug/l	98
38) Carbon Tetrachloride	5.660	117	143493	51.167	ug/l	97
39) Methylcyclohexane	7.360	83	155487	53.111	ug/l	98
40) Benzene	6.013	78	394766	53.786	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	86618	64.350	ug/l	94
42) 1,2-Dichloroethane	6.062	62	145142	55.872	ug/l	98
43) Isopropyl Acetate	6.312	43	265790	59.333	ug/l	96
44) Trichloroethene	7.104	130	97497	50.910	ug/l	96
45) 1,2-Dichloropropane	7.409	63	99262	54.110	ug/l	97
46) Dibromomethane	7.562	93	74909	53.847	ug/l	97
47) Bromodichloromethane	7.799	83	154892	53.404	ug/l	98
48) Methyl methacrylate	7.671	41	130232	57.793	ug/l	97
49) 1,4-Dioxane	7.641	88	31719	1023.467	ug/l	99
51) 4-Methyl-2-Pentanone	8.549	43	850583	305.908	ug/l	98
52) Toluene	8.702	92	240266	54.287	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	159230	57.707	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	166376	56.105	ug/l	97
55) 1,1,2-Trichloroethane	9.128	97	97564	54.788	ug/l	98
56) Ethyl methacrylate	9.098	69	164590	59.049	ug/l	96
57) 1,3-Dichloropropane	9.287	76	165440	55.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	432343	286.984	ug/l	96
59) 2-Hexanone	9.409	43	626090	320.765	ug/l	98
60) Dibromochloromethane	9.500	129	118881	53.988	ug/l	100
61) 1,2-Dibromoethane	9.592	107	105366	54.670	ug/l	100
64) Tetrachloroethene	9.256	164	81652	48.052	ug/l	97
65) Chlorobenzene	10.061	112	265192	51.970	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.140	131	94282	51.658	ug/l	99
67) Ethyl Benzene	10.177	91	457682	54.966	ug/l	99
68) m/p-Xylenes	10.281	106	347373	107.098	ug/l	99
69) o-Xylene	10.622	106	166003	54.618	ug/l	98
70) Styrene	10.634	104	286600	54.929	ug/l	100
71) Bromoform	10.781	173	84285	51.727	ug/l #	100
73) Isopropylbenzene	10.945	105	434737	55.488	ug/l	99
74) N-amyl acetate	10.823	43	222309	65.304	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	149871	56.692	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	124812m	57.638	ug/l	
77) Bromobenzene	11.177	156	108618	51.942	ug/l	99
78) n-propylbenzene	11.287	91	511543	56.374	ug/l	100
79) 2-Chlorotoluene	11.348	91	306085	55.317	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	354003	54.969	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	54261	59.522	ug/l	91
82) 4-Chlorotoluene	11.433	91	357246	55.326	ug/l	100
83) tert-Butylbenzene	11.695	119	354930	53.041	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	359963	55.411	ug/l	99
85) sec-Butylbenzene	11.872	105	442496	54.564	ug/l	100
86) p-Isopropyltoluene	11.988	119	377118	54.402	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	200425	51.991	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	204771	51.402	ug/l	99
89) n-Butylbenzene	12.311	91	355716	54.807	ug/l	98
90) Hexachloroethane	12.518	117	70433	49.783	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	190549	50.984	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33778	52.501	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	122522	49.636	ug/l	98
94) Hexachlorobutadiene	13.707	225	49036	48.026	ug/l	96
95) Naphthalene	13.756	128	411042	57.252	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115160	50.588	ug/l	99

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

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