

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047719.D
 Acq On : 23 Sep 2025 09:02
 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 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 01:25:05 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	145672	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	265022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	118904	51.280	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.367	113	93243	52.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	8.628	98	318085	51.720	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.440%			
62) 4-Bromofluorobenzene	11.061	95	121543	52.073	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	95620	63.389	ug/l	97
3) Chloromethane	1.300	50	117705	59.371	ug/l	100
4) Vinyl Chloride	1.380	62	117260	60.422	ug/l	100
5) Bromomethane	1.617	94	77247	62.771	ug/l	97
6) Chloroethane	1.697	64	74922	57.762	ug/l	99
7) Trichlorofluoromethane	1.892	101	160825	55.813	ug/l	99
8) Diethyl Ether	2.136	74	67493	57.259	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	94692	56.200	ug/l	99
10) Methyl Iodide	2.453	142	152554	58.055	ug/l	100
11) Tert butyl alcohol	2.940	59	63172	244.621	ug/l	99
12) 1,1-Dichloroethene	2.325	96	98672	57.012	ug/l	97
13) Acrolein	2.233	56	67336	282.952	ug/l	97
14) Allyl chloride	2.666	41	195439	54.723	ug/l	98
15) Acrylonitrile	3.056	53	275014	287.505	ug/l	99
16) Acetone	2.373	43	282461	280.166	ug/l	98
17) Carbon Disulfide	2.514	76	276670	58.393	ug/l	99
18) Methyl Acetate	2.697	43	127158	56.673	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	357198	56.537	ug/l	99
20) Methylene Chloride	2.788	84	121247	56.815	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	107940	57.928	ug/l	96
22) Diisopropyl ether	3.751	45	393344	56.829	ug/l	100
23) Vinyl Acetate	3.709	43	1605465	289.816	ug/l	99
24) 1,1-Dichloroethane	3.605	63	207990	56.537	ug/l	99
25) 2-Butanone	4.532	43	347300	276.163	ug/l	98
26) 2,2-Dichloropropane	4.465	77	167410	54.744	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	131508	57.629	ug/l	98
28) Bromochloromethane	4.879	49	89169	55.520	ug/l	99
29) Tetrahydrofuran	4.983	42	207795	274.666	ug/l	99
30) Chloroform	5.074	83	210287	56.566	ug/l	98
31) Cyclohexane	5.458	56	166413	54.312	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	176453	55.958	ug/l	99
36) 1,1-Dichloropropene	5.678	75	136661	52.619	ug/l	98
37) Ethyl Acetate	4.696	43	148064	53.244	ug/l	99
38) Carbon Tetrachloride	5.666	117	148597	52.659	ug/l	96
39) Methylcyclohexane	7.360	83	158624	53.805	ug/l	99
40) Benzene	6.019	78	436446	55.328	ug/l	100

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41) Methacrylonitrile	4.897	41	78988	55.020	ug/l	99
42) 1,2-Dichloroethane	6.068	62	160490	53.472	ug/l	99
43) Isopropyl Acetate	6.318	43	246709	54.094	ug/l	100
44) Trichloroethene	7.104	130	106747	55.974	ug/l	93
45) 1,2-Dichloropropane	7.415	63	112815	55.852	ug/l	100
46) Dibromomethane	7.562	93	81231	55.264	ug/l	97
47) Bromodichloromethane	7.805	83	168096	55.419	ug/l	98
48) Methyl methacrylate	7.671	41	121390	53.434	ug/l	97
49) 1,4-Dioxane	7.641	88	28790	1254.001	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	695707	275.127	ug/l	100
52) Toluene	8.702	92	269293	55.411	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	174332	56.347	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	186621	56.434	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	104009	55.502	ug/l	99
56) Ethyl methacrylate	9.098	69	167018	56.751	ug/l	97
57) 1,3-Dichloropropane	9.293	76	182551	56.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	389211	274.956	ug/l	100
59) 2-Hexanone	9.415	43	495514	272.845	ug/l	99
60) Dibromochloromethane	9.506	129	123071	56.997	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108549	56.870	ug/l	99
64) Tetrachloroethene	9.256	164	83230	54.167	ug/l	98
65) Chlorobenzene	10.061	112	293695	54.848	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	103750	56.149	ug/l	100
67) Ethyl Benzene	10.177	91	506854	54.859	ug/l	100
68) m/p-Xylenes	10.287	106	380464	110.636	ug/l	99
69) o-Xylene	10.622	106	186157	55.967	ug/l	99
70) Styrene	10.640	104	325724	55.888	ug/l	99
71) Bromoform	10.780	173	78229	56.699	ug/l #	99
73) Isopropylbenzene	10.945	105	468503	53.558	ug/l	99
74) N-amyl acetate	10.823	43	216957	54.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	144143	54.463	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	113886m	48.886	ug/l	
77) Bromobenzene	11.183	156	118485	54.994	ug/l	96
78) n-propylbenzene	11.286	91	557613	53.923	ug/l	99
79) 2-Chlorotoluene	11.347	91	337904	53.352	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	387138	53.867	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	48023	52.569	ug/l	97
82) 4-Chlorotoluene	11.433	91	396717	53.035	ug/l	99
83) tert-Butylbenzene	11.695	119	390632	53.095	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	394502	54.142	ug/l	100
85) sec-Butylbenzene	11.872	105	468381	53.598	ug/l	100
86) p-Isopropyltoluene	11.988	119	395524	53.461	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	217150	54.263	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	217807	53.031	ug/l	99
89) n-Butylbenzene	12.311	91	364819	53.292	ug/l	99
90) Hexachloroethane	12.518	117	70085	53.956	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	210035	55.091	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27679	51.656	ug/l	92
93) 1,2,4-Trichlorobenzene	13.567	180	132366	53.421	ug/l	98
94) Hexachlorobutadiene	13.707	225	44561	52.946	ug/l	99
95) Naphthalene	13.756	128	405500	53.744	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	126908	55.060	ug/l	98

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

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