

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047825.D
 Acq On : 26 Sep 2025 01:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 03:55:22 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

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	136987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	247384	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105392	48.334	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.660%		
35) Dibromofluoromethane	5.373	113	82885	49.958	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	8.635	98	280831	48.919	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.840%		
62) 4-Bromofluorobenzene	11.061	95	107959	49.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	77272	54.474	ug/l	96
3) Chloromethane	1.301	50	93625	50.219	ug/l	98
4) Vinyl Chloride	1.380	62	94805	51.949	ug/l	97
5) Bromomethane	1.611	94	52232	45.135	ug/l	96
6) Chloroethane	1.691	64	59882	49.094	ug/l	99
7) Trichlorofluoromethane	1.892	101	134828	49.757	ug/l	99
8) Diethyl Ether	2.136	74	58285	52.582	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	78502	49.545	ug/l	99
10) Methyl Iodide	2.453	142	117167	47.415	ug/l	99
11) Tert butyl alcohol	2.947	59	67304	277.144	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82336	50.589	ug/l	96
13) Acrolein	2.233	56	22658	101.247	ug/l	99
14) Allyl chloride	2.666	41	144973	43.166	ug/l	96
15) Acrylonitrile	3.056	53	264200	293.710	ug/l	99
16) Acetone	2.374	43	212815	224.469	ug/l	97
17) Carbon Disulfide	2.514	76	230237	51.674	ug/l	98
18) Methyl Acetate	2.697	43	128022	60.675	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	308620	51.945	ug/l	97
20) Methylene Chloride	2.788	84	102627	51.139	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	90348	51.561	ug/l	93
22) Diisopropyl ether	3.751	45	338264	51.970	ug/l	89
23) Vinyl Acetate	3.715	43	1377154	264.363	ug/l	99
24) 1,1-Dichloroethane	3.605	63	178398	51.567	ug/l	98
25) 2-Butanone	4.538	43	324013	273.980	ug/l	98
26) 2,2-Dichloropropane	4.465	77	90626	31.514	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	110397	51.445	ug/l	94
28) Bromochloromethane	4.891	49	80199	53.101	ug/l	98
29) Tetrahydrofuran	4.989	42	205975	289.521	ug/l	99
30) Chloroform	5.080	83	182347	52.160	ug/l	100
31) Cyclohexane	5.464	56	136934	47.524	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	148485	50.074	ug/l	99
36) 1,1-Dichloropropene	5.684	75	116396	48.012	ug/l	99
37) Ethyl Acetate	4.702	43	146310	56.365	ug/l	98
38) Carbon Tetrachloride	5.666	117	126782	48.132	ug/l	95
39) Methylcyclohexane	7.367	83	128784	46.798	ug/l	96
40) Benzene	6.025	78	373725	50.755	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	74858	55.861	ug/l	99
42) 1,2-Dichloroethane	6.074	62	137539	49.092	ug/l	99
43) Isopropyl Acetate	6.324	43	223898	52.593	ug/l	98
44) Trichloroethene	7.111	130	90017	50.566	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98686	52.341	ug/l	98
46) Dibromomethane	7.568	93	71190	51.886	ug/l	97
47) Bromodichloromethane	7.806	83	146520	51.750	ug/l	96
48) Methyl methacrylate	7.677	41	114743	54.110	ug/l	98
49) 1,4-Dioxane	7.653	88	30476	1422.082	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	679821	288.013	ug/l	100
52) Toluene	8.702	92	230579	50.827	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	139482	48.298	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	148166	48.000	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	93484	53.442	ug/l	98
56) Ethyl methacrylate	9.104	69	149303	54.348	ug/l	96
57) 1,3-Dichloropropane	9.293	76	162085	53.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	343671	261.058	ug/l	99
59) 2-Hexanone	9.415	43	480443	283.408	ug/l	99
60) Dibromochloromethane	9.506	129	110299	54.724	ug/l	100
61) 1,2-Dibromoethane	9.592	107	97882	54.937	ug/l	99
64) Tetrachloroethene	9.256	164	74716	51.396	ug/l	99
65) Chlorobenzene	10.061	112	255860	50.504	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	91400	52.283	ug/l	99
67) Ethyl Benzene	10.177	91	438472	50.162	ug/l	100
68) m/p-Xylenes	10.287	106	328712	101.032	ug/l	98
69) o-Xylene	10.622	106	160936	51.141	ug/l	97
70) Styrene	10.640	104	284190	51.539	ug/l	98
71) Bromoform	10.781	173	71220	54.560	ug/l #	98
73) Isopropylbenzene	10.945	105	403833	48.122	ug/l	99
74) N-amyl acetate	10.823	43	195791	51.163	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136550	53.782	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	106395m	47.607	ug/l	
77) Bromobenzene	11.183	156	102475	49.580	ug/l	98
78) n-propylbenzene	11.287	91	479279	48.313	ug/l	99
79) 2-Chlorotoluene	11.348	91	294446	48.461	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	335826	48.708	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34412	39.266	ug/l	97
82) 4-Chlorotoluene	11.439	91	345097	48.090	ug/l	99
83) tert-Butylbenzene	11.695	119	338797	48.002	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	339850	48.619	ug/l	100
85) sec-Butylbenzene	11.872	105	403354	48.114	ug/l	100
86) p-Isopropyltoluene	11.994	119	339026	47.768	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187911	48.948	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	190488	48.345	ug/l	100
89) n-Butylbenzene	12.311	91	312663	47.610	ug/l	99
90) Hexachloroethane	12.518	117	60975	48.933	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	184316	50.395	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	27966	54.404	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	113843	47.893	ug/l	98
94) Hexachlorobutadiene	13.707	225	38404	47.565	ug/l	99
95) Naphthalene	13.756	128	384046	53.058	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	112747	50.990	ug/l	99

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

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