

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048050.D
 Acq On : 07 Oct 2025 14:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 08 01:28:36 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 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	134973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	236965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108609	50.553	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.100%			
35) Dibromofluoromethane	5.373	113	84612	53.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	8.635	98	280669	51.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.061	95	107417	51.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	68308	48.873	ug/l	99
3) Chloromethane	1.301	50	76126	41.442	ug/l	100
4) Vinyl Chloride	1.380	62	84588	47.042	ug/l	98
5) Bromomethane	1.612	94	50588	44.367	ug/l	100
6) Chloroethane	1.691	64	57839	48.127	ug/l	100
7) Trichlorofluoromethane	1.892	101	137581	51.531	ug/l	99
8) Diethyl Ether	2.136	74	54152	49.582	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	85116	54.521	ug/l	97
10) Methyl Iodide	2.453	142	86483	35.520	ug/l	99
11) Tert butyl alcohol	2.947	59	67690	282.893	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79098	49.325	ug/l	99
13) Acrolein	2.239	56	63475	287.870	ug/l	99
14) Allyl chloride	2.666	41	156741	47.366	ug/l	98
15) Acrylonitrile	3.056	53	265024	299.023	ug/l	99
16) Acetone	2.374	43	221353	236.958	ug/l	96
17) Carbon Disulfide	2.514	76	184290	41.979	ug/l	97
18) Methyl Acetate	2.697	43	128946	62.025	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	306378	52.337	ug/l	99
20) Methylene Chloride	2.788	84	100192	50.670	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	84840	49.140	ug/l	94
22) Diisopropyl ether	3.751	45	337776	52.669	ug/l	87
23) Vinyl Acetate	3.715	43	1364818	265.904	ug/l	99
24) 1,1-Dichloroethane	3.605	63	177705	52.133	ug/l	99
25) 2-Butanone	4.544	43	330428	283.574	ug/l	99
26) 2,2-Dichloropropane	4.465	77	136863	48.302	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	108562	51.345	ug/l	98
28) Bromochloromethane	4.885	49	76774	51.592	ug/l	98
29) Tetrahydrofuran	4.995	42	202540	288.941	ug/l	100
30) Chloroform	5.080	83	183339	53.226	ug/l	98
31) Cyclohexane	5.465	56	125798	44.311	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	152113	52.063	ug/l	98
36) 1,1-Dichloropropene	5.684	75	110859	47.738	ug/l	99
37) Ethyl Acetate	4.696	43	133811	53.816	ug/l	98
38) Carbon Tetrachloride	5.666	117	129067	51.153	ug/l	97
39) Methylcyclohexane	7.367	83	122907	46.626	ug/l	96
40) Benzene	6.025	78	360225	51.073	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	75079	58.489	ug/l	99
42) 1,2-Dichloroethane	6.074	62	139323	51.916	ug/l	99
43) Isopropyl Acetate	6.324	43	221368	54.285	ug/l	99
44) Trichloroethene	7.111	130	86799	50.903	ug/l	98
45) 1,2-Dichloropropane	7.415	63	96296	53.319	ug/l	96
46) Dibromomethane	7.568	93	70197	53.412	ug/l	98
47) Bromodichloromethane	7.806	83	149261	55.036	ug/l	99
48) Methyl methacrylate	7.678	41	112293	55.283	ug/l	99
49) 1,4-Dioxane	7.647	88	30037	1463.223	ug/l	99
51) 4-Methyl-2-Pentanone	8.562	43	684613	302.796	ug/l	100
52) Toluene	8.702	92	221620	51.000	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	141724	51.232	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	154231	52.162	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	94278	56.266	ug/l	97
56) Ethyl methacrylate	9.104	69	146261	55.582	ug/l	97
57) 1,3-Dichloropropane	9.293	76	159640	55.462	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	361172	284.649	ug/l	99
59) 2-Hexanone	9.415	43	480858	296.124	ug/l	99
60) Dibromochloromethane	9.506	129	109471	56.702	ug/l	99
61) 1,2-Dibromoethane	9.592	107	94543	55.396	ug/l	100
64) Tetrachloroethene	9.257	164	67352	48.881	ug/l	98
65) Chlorobenzene	10.061	112	250363	52.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91267	55.080	ug/l	99
67) Ethyl Benzene	10.177	91	426433	51.469	ug/l	99
68) m/p-Xylenes	10.287	106	320132	103.810	ug/l	99
69) o-Xylene	10.628	106	156757	52.554	ug/l	98
70) Styrene	10.640	104	277844	53.161	ug/l	98
71) Bromoform	10.781	173	72770	58.815	ug/l #	97
73) Isopropylbenzene	10.945	105	404629	49.592	ug/l	99
74) N-amyl acetate	10.829	43	192116	51.634	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	139823	56.641	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	106636m	49.075	ug/l	
77) Bromobenzene	11.183	156	97959	48.746	ug/l	97
78) n-propylbenzene	11.287	91	480273	49.794	ug/l	100
79) 2-Chlorotoluene	11.348	91	292960	49.591	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	333024	49.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	41416	48.606	ug/l	99
82) 4-Chlorotoluene	11.439	91	345796	49.562	ug/l	99
83) tert-Butylbenzene	11.695	119	344306	50.174	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	338627	49.825	ug/l	99
85) sec-Butylbenzene	11.872	105	410955	50.418	ug/l	100
86) p-Isopropyltoluene	11.988	119	342548	49.640	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	185756	49.766	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	189138	49.371	ug/l	99
89) n-Butylbenzene	12.317	91	318354	49.858	ug/l	98
90) Hexachloroethane	12.518	117	62760	51.802	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	179743	50.546	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27003	54.028	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	111593	48.285	ug/l	98
94) Hexachlorobutadiene	13.707	225	38379	48.890	ug/l	98
95) Naphthalene	13.756	128	365739	51.970	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	110528	51.412	ug/l	98

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

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