

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048151.D
 Acq On : 13 Oct 2025 18:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 14 02:00:15 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 10/14/2025
 Supervised By : Mahesh Dadoda 10/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	116426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	206286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	187903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	97364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	85941	46.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.740%		
35) Dibromofluoromethane	5.373	113	66803	48.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.580%		
50) Toluene-d8	8.635	98	222442	46.467	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.940%		
62) 4-Bromofluorobenzene	11.061	95	87879	48.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.740%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	68845	57.104	ug/l	98
3) Chloromethane	1.301	50	84832	53.539	ug/l	99
4) Vinyl Chloride	1.380	62	88657	57.159	ug/l	98
5) Bromomethane	1.612	94	60922	61.941	ug/l	100
6) Chloroethane	1.697	64	58122	56.066	ug/l	98
7) Trichlorofluoromethane	1.898	101	130836	56.811	ug/l	100
8) Diethyl Ether	2.136	74	50070	53.148	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	73566	54.630	ug/l	99
10) Methyl Iodide	2.459	142	104928	49.961	ug/l	97
11) Tert butyl alcohol	2.947	59	48774	236.310	ug/l	100
12) 1,1-Dichloroethene	2.325	96	77006	55.670	ug/l	98
13) Acrolein	2.239	56	50219	264.034	ug/l	99
14) Allyl chloride	2.666	41	143272	50.193	ug/l	98
15) Acrylonitrile	3.063	53	202376	264.713	ug/l	99
16) Acetone	2.374	43	160622	199.337	ug/l	99
17) Carbon Disulfide	2.520	76	223913	59.130	ug/l	98
18) Methyl Acetate	2.703	43	84487	47.114	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	268668	53.207	ug/l	99
20) Methylene Chloride	2.788	84	92121	54.010	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	82439	55.356	ug/l	97
22) Diisopropyl ether	3.751	45	299698	54.176	ug/l	87
23) Vinyl Acetate	3.715	43	1118555	252.641	ug/l	100
24) 1,1-Dichloroethane	3.605	63	158777	54.001	ug/l	98
25) 2-Butanone	4.544	43	237412	236.205	ug/l	98
26) 2,2-Dichloropropane	4.471	77	123863	50.678	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	99947	54.800	ug/l	97
28) Bromochloromethane	4.891	49	72617	56.572	ug/l	98
29) Tetrahydrofuran	4.989	42	149435	247.143	ug/l	98
30) Chloroform	5.087	83	163902	55.163	ug/l	99
31) Cyclohexane	5.465	56	129495	52.880	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	140046	55.569	ug/l	99
36) 1,1-Dichloropropene	5.684	75	107376	53.115	ug/l	98
37) Ethyl Acetate	4.702	43	104462	48.261	ug/l	99
38) Carbon Tetrachloride	5.672	117	120011	54.638	ug/l	98
39) Methylcyclohexane	7.367	83	125223	54.569	ug/l	99
40) Benzene	6.025	78	340597	55.471	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	58064	51.961	ug/l	99
42) 1,2-Dichloroethane	6.074	62	126475	54.137	ug/l	100
43) Isopropyl Acetate	6.324	43	177959	50.130	ug/l	99
44) Trichloroethene	7.111	130	84645	57.022	ug/l	95
45) 1,2-Dichloropropane	7.415	63	87721	55.794	ug/l	98
46) Dibromomethane	7.568	93	64036	55.970	ug/l	97
47) Bromodichloromethane	7.806	83	134116	56.806	ug/l	100
48) Methyl methacrylate	7.678	41	91392	51.684	ug/l	98
49) 1,4-Dioxane	7.641	88	21866	1223.595	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	519717	264.050	ug/l	100
52) Toluene	8.702	92	212219	56.100	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	132994	55.226	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	141949	55.148	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	82732	56.718	ug/l	99
56) Ethyl methacrylate	9.104	69	124001	54.131	ug/l	99
57) 1,3-Dichloropropane	9.293	76	143428	57.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	289078	263.185	ug/l	99
59) 2-Hexanone	9.415	43	357796	253.109	ug/l	98
60) Dibromochloromethane	9.506	129	98818	58.796	ug/l	99
61) 1,2-Dibromoethane	9.592	107	86719	58.369	ug/l	100
64) Tetrachloroethene	9.263	164	79276	64.719	ug/l	97
65) Chlorobenzene	10.061	112	231696	54.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82637	56.099	ug/l	100
67) Ethyl Benzene	10.177	91	401089	54.455	ug/l	100
68) m/p-Xylenes	10.287	106	298533	108.894	ug/l	100
69) o-Xylene	10.628	106	144023	54.314	ug/l	100
70) Styrene	10.640	104	254769	54.833	ug/l	99
71) Bromoform	10.781	173	61112	55.561	ug/l #	98
73) Isopropylbenzene	10.945	105	371566	50.197	ug/l	99
74) N-amyl acetate	10.823	43	159040	47.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	109915	49.079	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	100042m	50.749	ug/l	
77) Bromobenzene	11.183	156	93071	51.050	ug/l	97
78) n-propylbenzene	11.287	91	446153	50.987	ug/l	100
79) 2-Chlorotoluene	11.348	91	266064	49.644	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	309130	50.831	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	35228	45.572	ug/l	99
82) 4-Chlorotoluene	11.439	91	318659	50.343	ug/l	99
83) tert-Butylbenzene	11.695	119	299521	48.111	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	313950	50.919	ug/l	100
85) sec-Butylbenzene	11.872	105	376441	50.907	ug/l	100
86) p-Isopropyltoluene	11.994	119	316639	50.578	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	168297	49.700	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	172609	49.665	ug/l	100
89) n-Butylbenzene	12.311	91	296409	51.169	ug/l	98
90) Hexachloroethane	12.518	117	58283	53.026	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	164389	50.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	21592	47.620	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	101747	48.527	ug/l	98
94) Hexachlorobutadiene	13.707	225	36890	51.799	ug/l	98
95) Naphthalene	13.756	128	314740	49.297	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	98210	50.354	ug/l	99

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

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