

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047767.D
 Acq On : 24 Sep 2025 10:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 01:23:47 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	5.538	168	136245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	254252	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	117949	54.388	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.780%			
35) Dibromofluoromethane	5.373	113	92049	53.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.960%			
50) Toluene-d8	8.635	98	314422	53.290	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.580%			
62) 4-Bromofluorobenzene	11.061	95	120804	53.949	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	80794	57.267	ug/l	100
3) Chloromethane	1.301	50	100073	53.970	ug/l	97
4) Vinyl Chloride	1.380	62	98905	54.491	ug/l	99
5) Bromomethane	1.611	94	63064	54.792	ug/l	99
6) Chloroethane	1.691	64	63530	52.368	ug/l	98
7) Trichlorofluoromethane	1.892	101	138008	51.208	ug/l	99
8) Diethyl Ether	2.136	74	59838	54.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	79844	50.667	ug/l	99
10) Methyl Iodide	2.453	142	124745	50.757	ug/l	100
11) Tert butyl alcohol	2.947	59	65972	273.139	ug/l	100
12) 1,1-Dichloroethene	2.325	96	85914	53.075	ug/l	97
13) Acrolein	2.233	56	62008	278.592	ug/l	97
14) Allyl chloride	2.666	41	160323	47.997	ug/l	95
15) Acrylonitrile	3.056	53	274545	306.873	ug/l	99
16) Acetone	2.373	43	219982	233.292	ug/l	97
17) Carbon Disulfide	2.514	76	234371	52.888	ug/l	99
18) Methyl Acetate	2.697	43	128034	61.011	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	320438	54.228	ug/l	98
20) Methylene Chloride	2.788	84	106137	53.176	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	93317	53.545	ug/l	96
22) Diisopropyl ether	3.751	45	350616	54.161	ug/l	86
23) Vinyl Acetate	3.715	43	1442450	278.405	ug/l	100
24) 1,1-Dichloroethane	3.605	63	182725	53.106	ug/l	99
25) 2-Butanone	4.538	43	340369	289.378	ug/l	97
26) 2,2-Dichloropropane	4.465	77	70096	24.508	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	113757	53.299	ug/l	92
28) Bromochloromethane	4.885	49	80547	53.622	ug/l	99
29) Tetrahydrofuran	4.989	42	220667	311.862	ug/l	100
30) Chloroform	5.080	83	187454	53.913	ug/l	100
31) Cyclohexane	5.458	56	145273	50.693	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	154526	52.395	ug/l	99
36) 1,1-Dichloropropene	5.678	75	120688	48.437	ug/l	99
37) Ethyl Acetate	4.702	43	149048	55.869	ug/l	98
38) Carbon Tetrachloride	5.666	117	130818	48.322	ug/l	99
39) Methylcyclohexane	7.367	83	133414	47.171	ug/l	98
40) Benzene	6.025	78	389912	51.523	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	77979	56.618	ug/l	99
42) 1,2-Dichloroethane	6.074	62	143000	49.663	ug/l	98
43) Isopropyl Acetate	6.324	43	235980	53.933	ug/l	99
44) Trichloroethene	7.110	130	94203	51.488	ug/l	93
45) 1,2-Dichloropropane	7.415	63	102032	52.653	ug/l	99
46) Dibromomethane	7.568	93	74570	52.881	ug/l	98
47) Bromodichloromethane	7.805	83	150372	51.676	ug/l	97
48) Methyl methacrylate	7.677	41	118513	54.378	ug/l	97
49) 1,4-Dioxane	7.647	88	30387	1379.627	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	718573	296.207	ug/l	100
52) Toluene	8.702	92	239637	51.397	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	137402	46.292	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	149149	47.013	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	96376	53.607	ug/l	97
56) Ethyl methacrylate	9.104	69	158357	56.087	ug/l	96
57) 1,3-Dichloropropane	9.293	76	167428	54.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	402380	294.817	ug/l	100
59) 2-Hexanone	9.415	43	503351	288.900	ug/l	98
60) Dibromochloromethane	9.506	129	111057	53.612	ug/l	98
61) 1,2-Dibromoethane	9.592	107	103205	56.360	ug/l	100
64) Tetrachloroethene	9.256	164	78844	52.130	ug/l	96
65) Chlorobenzene	10.061	112	265659	50.402	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	93007	51.137	ug/l	99
67) Ethyl Benzene	10.177	91	452093	49.712	ug/l	100
68) m/p-Xylenes	10.287	106	343642	101.520	ug/l	97
69) o-Xylene	10.628	106	167926	51.290	ug/l	98
70) Styrene	10.640	104	296373	51.662	ug/l	98
71) Bromoform	10.787	173	73291	53.967	ug/l	98
73) Isopropylbenzene	10.945	105	417583	48.594	ug/l	99
74) N-amyl acetate	10.829	43	207812	53.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	142889	54.960	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	124755m	54.514	ug/l	
77) Bromobenzene	11.183	156	107213	50.657	ug/l	97
78) n-propylbenzene	11.287	91	498719	49.095	ug/l	99
79) 2-Chlorotoluene	11.347	91	304904	49.006	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	345988	49.006	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	35912	40.018	ug/l	99
82) 4-Chlorotoluene	11.439	91	357733	48.683	ug/l	99
83) tert-Butylbenzene	11.695	119	346038	47.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	353276	49.355	ug/l	100
85) sec-Butylbenzene	11.872	105	415999	48.459	ug/l	100
86) p-Isopropyltoluene	11.994	119	348647	47.972	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	195732	49.790	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	195422	48.435	ug/l	99
89) n-Butylbenzene	12.317	91	317773	47.254	ug/l	98
90) Hexachloroethane	12.518	117	62783	49.203	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	191705	51.187	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28696	54.516	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	119753	49.199	ug/l	98
94) Hexachlorobutadiene	13.707	225	39271	47.499	ug/l	99
95) Naphthalene	13.756	128	400255	54.002	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	118573	52.369	ug/l	99

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

