

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047716.D
 Acq On : 22 Sep 2025 19:19
 Operator : JC/MD
 Sample : Q3097-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20250911MSD

Quant Time: Sep 23 01:42:46 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 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	151448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	285571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	134014	55.592	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.180%			
35) Dibromofluoromethane	5.373	113	101518	53.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.020%			
50) Toluene-d8	8.635	98	351935	53.107	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.061	95	135304	53.798	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	87784	55.975	ug/l	96
3) Chloromethane	1.301	50	112252	54.461	ug/l	97
4) Vinyl Chloride	1.380	62	106654	52.861	ug/l	100
5) Bromomethane	1.618	94	70603	55.184	ug/l	99
6) Chloroethane	1.697	64	69739	51.716	ug/l	100
7) Trichlorofluoromethane	1.898	101	148942	49.718	ug/l	99
8) Diethyl Ether	2.136	74	63556	51.863	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	88962	50.786	ug/l	99
10) Methyl Iodide	2.459	142	139082	50.909	ug/l	100
11) Tert butyl alcohol	2.947	59	70300	261.840	ug/l	98
12) 1,1-Dichloroethene	2.325	96	91530	50.868	ug/l	96
13) Acrolein	2.239	56	71244	287.956	ug/l	98
14) Allyl chloride	2.666	41	180017	48.482	ug/l	98
15) Acrylonitrile	3.056	53	279714	281.266	ug/l	98
16) Acetone	2.373	43	219579	209.489	ug/l	100
17) Carbon Disulfide	2.520	76	259123	52.604	ug/l	98
18) Methyl Acetate	2.703	43	119477	51.219	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	340150	51.785	ug/l	99
20) Methylene Chloride	2.788	84	114006	51.384	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	100087	51.665	ug/l	97
22) Diisopropyl ether	3.751	45	370654	51.509	ug/l #	84
23) Vinyl Acetate	3.715	43	1452069	252.128	ug/l	100
24) 1,1-Dichloroethane	3.605	63	195788	51.190	ug/l	99
25) 2-Butanone	4.544	43	338514	258.910	ug/l	98
26) 2,2-Dichloropropane	4.471	77	131738	41.436	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	123362	51.997	ug/l	97
28) Bromochloromethane	4.885	49	88172	52.806	ug/l	100
29) Tetrahydrofuran	4.989	42	214581	272.818	ug/l	99
30) Chloroform	5.086	83	200434	51.859	ug/l	99
31) Cyclohexane	5.464	56	150653	47.293	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	165340	50.434	ug/l	99
36) 1,1-Dichloropropene	5.684	75	128843	46.039	ug/l	98
37) Ethyl Acetate	4.702	43	139040	46.402	ug/l	100
38) Carbon Tetrachloride	5.666	117	138495	45.547	ug/l	99
39) Methylcyclohexane	7.367	83	140889	44.350	ug/l	98
40) Benzene	6.025	78	418727	49.262	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	81912	52.951	ug/l	97
42) 1,2-Dichloroethane	6.074	62	154372	47.733	ug/l	99
43) Isopropyl Acetate	6.324	43	238509	48.533	ug/l	99
44) Trichloroethene	7.110	130	649824	316.221	ug/l	97
45) 1,2-Dichloropropane	7.415	63	106503	48.933	ug/l	98
46) Dibromomethane	7.568	93	76554	48.334	ug/l	95
47) Bromodichloromethane	7.805	83	158068	48.363	ug/l	98
48) Methyl methacrylate	7.677	41	120316	49.151	ug/l	97
49) 1,4-Dioxane	7.647	88	31574	1276.303	ug/l	99
51) 4-Methyl-2-Pentanone	8.561	43	713498	261.859	ug/l	100
52) Toluene	8.708	92	252290	48.176	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	160090	48.021	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	170516	47.854	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	102255	50.639	ug/l	97
56) Ethyl methacrylate	9.104	69	162921	51.375	ug/l	98
57) 1,3-Dichloropropane	9.293	76	177427	51.150	ug/l	99
59) 2-Hexanone	9.415	43	496279	253.602	ug/l	99
60) Dibromochloromethane	9.506	129	118126	50.771	ug/l	99
61) 1,2-Dibromoethane	9.592	107	108183	52.599	ug/l	100
64) Tetrachloroethene	9.262	164	78549	46.898	ug/l	95
65) Chlorobenzene	10.061	112	284028	48.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	97079	48.198	ug/l	98
67) Ethyl Benzene	10.177	91	484782	48.136	ug/l	99
68) m/p-Xylenes	10.287	106	364701	97.291	ug/l	98
69) o-Xylene	10.628	106	175962	48.532	ug/l	100
70) Styrene	10.640	104	311170	48.980	ug/l	98
71) Bromoform	10.787	173	75628	50.286	ug/l	98
73) Isopropylbenzene	10.945	105	440376	46.230	ug/l	99
74) N-amyl acetate	10.829	43	201619	46.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	144289	50.065	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	129503m	51.049	ug/l	
77) Bromobenzene	11.183	156	111648	47.588	ug/l	99
78) n-propylbenzene	11.287	91	516715	45.887	ug/l	99
79) 2-Chlorotoluene	11.347	91	322164	46.712	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	367456	46.952	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	45752	45.992	ug/l	98
82) 4-Chlorotoluene	11.439	91	380416	46.702	ug/l	98
83) tert-Butylbenzene	11.695	119	372073	46.442	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	371720	46.849	ug/l	100
85) sec-Butylbenzene	11.872	105	434981	45.710	ug/l	100
86) p-Isopropyltoluene	11.994	119	365960	45.425	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	203823	46.773	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	209139	46.761	ug/l	99
89) n-Butylbenzene	12.317	91	336544	45.146	ug/l	98
90) Hexachloroethane	12.518	117	64746	45.775	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	198212	47.743	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	28891	49.514	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	124512	46.147	ug/l	99
94) Hexachlorobutadiene	13.707	225	38572	42.087	ug/l	97
95) Naphthalene	13.756	128	406725	49.503	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	116912	46.580	ug/l	98

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

