

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046858.D
 Acq On : 01 Jul 2025 16:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 02 01:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	140378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230386	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	200538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86825	44.716	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.440%		
35) Dibromofluoromethane	5.385	113	73918	48.493	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.647	98	258715	47.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.480%		
62) 4-Bromofluorobenzene	11.079	95	96656	47.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	74157	49.480	ug/l	100
3) Chloromethane	1.307	50	79146	48.926	ug/l	99
4) Vinyl Chloride	1.386	62	84427	48.942	ug/l	97
5) Bromomethane	1.617	94	53008	54.617	ug/l	91
6) Chloroethane	1.697	64	53068	50.757	ug/l	93
7) Trichlorofluoromethane	1.904	101	129845	49.572	ug/l	99
8) Diethyl Ether	2.142	74	46255	51.456	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	81753	50.877	ug/l	100
10) Methyl Iodide	2.465	142	86004	43.385	ug/l	97
11) Tert butyl alcohol	2.953	59	37126	213.030	ug/l	99
12) 1,1-Dichloroethene	2.331	96	79032	50.971	ug/l	98
13) Acrolein	2.245	56	63210	249.009	ug/l	100
14) Allyl chloride	2.672	41	140434	49.988	ug/l	98
15) Acrylonitrile	3.068	53	188850	240.988	ug/l	99
16) Acetone	2.386	43	138992	214.659	ug/l	99
17) Carbon Disulfide	2.526	76	201626	43.061	ug/l	98
18) Methyl Acetate	2.709	43	83331	50.671	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	229067	47.446	ug/l	98
20) Methylene Chloride	2.800	84	88745	49.284	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	82418	49.676	ug/l	99
22) Diisopropyl ether	3.763	45	280155	51.882	ug/l	92
23) Vinyl Acetate	3.727	43	1049033	244.301	ug/l	99
24) 1,1-Dichloroethane	3.617	63	153422	50.042	ug/l	99
25) 2-Butanone	4.550	43	209115	228.351	ug/l	100
26) 2,2-Dichloropropane	4.483	77	109254	48.859	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	97082	49.806	ug/l	99
28) Bromochloromethane	4.897	49	73907	53.172	ug/l	99
29) Tetrahydrofuran	5.001	42	135689	229.398	ug/l	100
30) Chloroform	5.099	83	155729	50.791	ug/l	94
31) Cyclohexane	5.477	56	134695	46.327	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	127104	47.268	ug/l	99
36) 1,1-Dichloropropene	5.696	75	106430	48.368	ug/l	99
37) Ethyl Acetate	4.708	43	85231	41.963	ug/l	96
38) Carbon Tetrachloride	5.678	117	113571	47.560	ug/l	98
39) Methylcyclohexane	7.379	83	133853	46.227	ug/l	99
40) Benzene	6.037	78	322336	49.498	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54153	50.012	ug/l	95
42) 1,2-Dichloroethane	6.086	62	108944	47.608	ug/l	98
43) Isopropyl Acetate	6.336	43	146139	45.981	ug/l	100
44) Trichloroethene	7.123	130	81648	49.198	ug/l	97
45) 1,2-Dichloropropane	7.427	63	81203	50.315	ug/l	99
46) Dibromomethane	7.580	93	55625	47.958	ug/l	99
47) Bromodichloromethane	7.818	83	120956	51.102	ug/l	99
48) Methyl methacrylate	7.690	41	77511	48.627	ug/l	99
49) 1,4-Dioxane	7.653	88	19117	829.394	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	440438	232.350	ug/l	99
52) Toluene	8.714	92	198558	49.184	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	108596	49.448	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	124214	49.823	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	74079	49.240	ug/l	97
56) Ethyl methacrylate	9.110	69	108070	48.662	ug/l	99
57) 1,3-Dichloropropane	9.305	76	126651	48.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	296502	257.016	ug/l	99
59) 2-Hexanone	9.427	43	297530	227.038	ug/l	99
60) Dibromochloromethane	9.518	129	87553	49.383	ug/l	99
61) 1,2-Dibromoethane	9.604	107	75327	49.223	ug/l	99
64) Tetrachloroethene	9.269	164	67613	48.664	ug/l	97
65) Chlorobenzene	10.073	112	219717	49.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	74884	50.333	ug/l	99
67) Ethyl Benzene	10.189	91	381897	49.374	ug/l	99
68) m/p-Xylenes	10.299	106	287122	99.625	ug/l	99
69) o-Xylene	10.640	106	139279	51.566	ug/l	97
70) Styrene	10.652	104	241851	51.166	ug/l	99
71) Bromoform	10.799	173	56405	49.782	ug/l #	99
73) Isopropylbenzene	10.957	105	367803	50.996	ug/l	100
74) N-amyl acetate	10.841	43	130177	47.638	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	100110	49.710	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82417m	45.951	ug/l	
77) Bromobenzene	11.195	156	89675	51.668	ug/l	98
78) n-propylbenzene	11.299	91	437866	51.113	ug/l	100
79) 2-Chlorotoluene	11.360	91	254361	49.731	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	298831	50.420	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	29187	45.997	ug/l	98
82) 4-Chlorotoluene	11.451	91	295335	49.476	ug/l	98
83) tert-Butylbenzene	11.713	119	307649	50.216	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	299927	50.368	ug/l	99
85) sec-Butylbenzene	11.884	105	382197	49.362	ug/l	99
86) p-Isopropyltoluene	12.006	119	322791	49.410	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	164311	48.554	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	167310	48.134	ug/l	99
89) n-Butylbenzene	12.329	91	298615	48.142	ug/l	100
90) Hexachloroethane	12.536	117	54709	47.823	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	158341	50.070	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17835	44.858	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	107070	47.623	ug/l	99
94) Hexachlorobutadiene	13.719	225	40889	43.234	ug/l	99
95) Naphthalene	13.774	128	304860	47.594	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	102662	47.730	ug/l	99

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

