

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047569.D
 Acq On : 29 Aug 2025 15:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 29 23:55:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	226081	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	399322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	359519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173458	49.962	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.920%		
35) Dibromofluoromethane	5.385	113	136230	49.706	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.420%		
50) Toluene-d8	8.646	98	470585	48.986	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.079	95	177581	49.205	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	116303	46.975	ug/l	99
3) Chloromethane	1.312	50	127582	47.181	ug/l	94
4) Vinyl Chloride	1.392	62	153335	48.239	ug/l	99
5) Bromomethane	1.623	94	69889	50.833	ug/l	95
6) Chloroethane	1.703	64	94743	46.913	ug/l	97
7) Trichlorofluoromethane	1.904	101	217287	48.061	ug/l	96
8) Diethyl Ether	2.148	74	90535	50.470	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	126104	46.835	ug/l	98
10) Methyl Iodide	2.465	142	182971	41.052	ug/l	99
11) Tert butyl alcohol	2.958	59	72134	226.048	ug/l	98
12) 1,1-Dichloroethene	2.337	96	139038	48.698	ug/l	93
13) Acrolein	2.245	56	148657	232.388	ug/l	100
14) Allyl chloride	2.678	41	252576	48.290	ug/l	100
15) Acrylonitrile	3.074	53	349185	244.535	ug/l	100
16) Acetone	2.391	43	289568	210.597	ug/l	99
17) Carbon Disulfide	2.526	76	393476	46.347	ug/l	98
18) Methyl Acetate	2.708	43	164413	48.501	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	453735	48.688	ug/l	100
20) Methylene Chloride	2.800	84	161847	46.257	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	149288	49.135	ug/l	96
22) Diisopropyl ether	3.769	45	519485	49.315	ug/l	98
23) Vinyl Acetate	3.727	43	2151130	250.780	ug/l	100
24) 1,1-Dichloroethane	3.623	63	279893	47.817	ug/l	99
25) 2-Butanone	4.562	43	412873	228.167	ug/l	100
26) 2,2-Dichloropropane	4.483	77	198041	46.809	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	177574	47.969	ug/l	99
28) Bromochloromethane	4.903	49	130889	51.817	ug/l	98
29) Tetrahydrofuran	5.013	42	260407	231.900	ug/l	99
30) Chloroform	5.098	83	282325	47.367	ug/l	99
31) Cyclohexane	5.476	56	218750	44.810	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	228250	47.002	ug/l	99
36) 1,1-Dichloropropene	5.696	75	183162	46.959	ug/l	99
37) Ethyl Acetate	4.714	43	187424	48.752	ug/l	99
38) Carbon Tetrachloride	5.677	117	197826	45.710	ug/l	97
39) Methylcyclohexane	7.384	83	191944	42.671	ug/l	95
40) Benzene	6.043	78	585981	47.058	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	90756	49.847	ug/l	93
42) 1,2-Dichloroethane	6.086	62	212411	47.385	ug/l	98
43) Isopropyl Acetate	6.336	43	299991	48.564	ug/l	99
44) Trichloroethene	7.122	130	143507	46.513	ug/l	100
45) 1,2-Dichloropropane	7.427	63	147475	47.019	ug/l	99
46) Dibromomethane	7.580	93	108863	47.148	ug/l	100
47) Bromodichloromethane	7.817	83	221463	46.900	ug/l	98
48) Methyl methacrylate	7.689	41	155684	48.993	ug/l	99
49) 1,4-Dioxane	7.677	88	29794	947.820	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	861966	236.166	ug/l	100
52) Toluene	8.713	92	358647	47.261	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	206893	48.633	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	227178	48.195	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	139936	47.269	ug/l	98
56) Ethyl methacrylate	9.116	69	208370	47.547	ug/l	99
57) 1,3-Dichloropropane	9.305	76	238344	46.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	508625	247.638	ug/l	100
59) 2-Hexanone	9.427	43	574395	230.371	ug/l	99
60) Dibromochloromethane	9.518	129	166164	46.984	ug/l	100
61) 1,2-Dibromoethane	9.604	107	143269	47.555	ug/l	100
64) Tetrachloroethene	9.268	164	112154	46.564	ug/l	98
65) Chlorobenzene	10.079	112	395149	46.951	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	134761	47.220	ug/l	98
67) Ethyl Benzene	10.189	91	673046	47.590	ug/l	100
68) m/p-Xylenes	10.299	106	509179	96.934	ug/l	100
69) o-Xylene	10.640	106	245226	48.462	ug/l	99
70) Styrene	10.652	104	434806	49.521	ug/l	100
71) Bromoform	10.798	173	105383	48.494	ug/l #	99
73) Isopropylbenzene	10.957	105	612358	47.978	ug/l	99
74) N-amyl acetate	10.841	43	256202	48.609	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	193097	47.860	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	155668m	50.285	ug/l	
77) Bromobenzene	11.195	156	158311	48.486	ug/l	98
78) n-propylbenzene	11.298	91	718480	47.281	ug/l	100
79) 2-Chlorotoluene	11.359	91	446571	47.387	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	503546	48.252	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31676	41.243	ug/l	100
82) 4-Chlorotoluene	11.451	91	528399	47.786	ug/l	100
83) tert-Butylbenzene	11.713	119	492494	46.816	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	516121	48.519	ug/l	100
85) sec-Butylbenzene	11.890	105	573832	45.333	ug/l	100
86) p-Isopropyltoluene	12.006	119	480258	45.262	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	288517	47.396	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	290991	46.298	ug/l	100
89) n-Butylbenzene	12.329	91	433884	44.304	ug/l	99
90) Hexachloroethane	12.536	117	88380	45.312	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	276449	46.345	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	34470	46.318	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	160256	44.074	ug/l	99
94) Hexachlorobutadiene	13.725	225	43787	34.647	ug/l	99
95) Naphthalene	13.774	128	508198	47.813	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	153701	45.001	ug/l	98

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

