

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050725\
 Data File : VX046068.D
 Acq On : 07 May 2025 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 01:44:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	104458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	176685	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	156979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85666	43.989	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.980%		
35) Dibromofluoromethane	5.373	113	58673	46.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.240%		
50) Toluene-d8	8.641	98	203833	46.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.580%		
62) 4-Bromofluorobenzene	11.079	95	77922	46.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	91533	57.251	ug/l	94
3) Chloromethane	1.301	50	83112	53.606	ug/l	97
4) Vinyl Chloride	1.374	62	75449	52.287	ug/l	100
5) Bromomethane	1.593	94	34624	51.733	ug/l	97
6) Chloroethane	1.666	64	40769	52.925	ug/l	97
7) Trichlorofluoromethane	1.874	101	114978	53.915	ug/l	97
8) Diethyl Ether	2.130	74	35975	49.554	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	69330	52.533	ug/l	100
10) Methyl Iodide	2.441	142	81284	52.051	ug/l	99
11) Tert butyl alcohol	2.971	59	66458	243.115	ug/l	100
12) 1,1-Dichloroethene	2.307	96	63486	51.256	ug/l	99
13) Acrolein	2.233	56	67322	216.251	ug/l	98
14) Allyl chloride	2.654	41	125775	53.132	ug/l	98
15) Acrylonitrile	3.056	53	199206	254.851	ug/l	97
16) Acetone	2.380	43	220554	282.461	ug/l	99
17) Carbon Disulfide	2.502	76	155481	52.948	ug/l	100
18) Methyl Acetate	2.697	43	91374	50.429	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	221840	51.086	ug/l	98
20) Methylene Chloride	2.782	84	71289	47.643	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	64293	51.615	ug/l	96
22) Diisopropyl ether	3.751	45	235129	51.421	ug/l	95
23) Vinyl Acetate	3.715	43	1052965	261.816	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131741	51.727	ug/l	98
25) 2-Butanone	4.550	43	294725	259.991	ug/l	99
26) 2,2-Dichloropropane	4.465	77	104448	52.396	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	75708	50.488	ug/l	99
28) Bromochloromethane	4.885	49	62748	51.184	ug/l	97
29) Tetrahydrofuran	4.995	42	180130	253.583	ug/l	99
30) Chloroform	5.080	83	134566	50.692	ug/l	95
31) Cyclohexane	5.458	56	116160	50.051	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	117665	51.133	ug/l	99
36) 1,1-Dichloropropene	5.684	75	89636	52.434	ug/l	99
37) Ethyl Acetate	4.702	43	108162	51.211	ug/l	99
38) Carbon Tetrachloride	5.660	117	102265	53.242	ug/l	99
39) Methylcyclohexane	7.373	83	115895	52.660	ug/l	96
40) Benzene	6.025	78	261256	52.176	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	61991	56.108	ug/l	99
42) 1,2-Dichloroethane	6.074	62	111620	51.650	ug/l	100
43) Isopropyl Acetate	6.330	43	169426	52.583	ug/l	99
44) Trichloroethene	7.117	130	63001	52.276	ug/l	99
45) 1,2-Dichloropropane	7.422	63	65547	52.645	ug/l	98
46) Dibromomethane	7.574	93	50223	51.143	ug/l	99
47) Bromodichloromethane	7.812	83	103675	53.603	ug/l	99
48) Methyl methacrylate	7.684	41	89178	54.193	ug/l	98
49) 1,4-Dioxane	7.653	88	34148	1092.928	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	559725	261.703	ug/l	99
52) Toluene	8.714	92	161318	52.540	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	93876	54.606	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	103816	54.637	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	62437	51.573	ug/l	97
56) Ethyl methacrylate	9.110	69	105125	54.482	ug/l	100
57) 1,3-Dichloropropane	9.305	76	110048	50.614	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	233708	237.580	ug/l	99
59) 2-Hexanone	9.427	43	416681	263.332	ug/l	100
60) Dibromochloromethane	9.519	129	74037	55.685	ug/l	99
61) 1,2-Dibromoethane	9.604	107	65199	51.815	ug/l	97
64) Tetrachloroethene	9.269	164	58276	52.468	ug/l	98
65) Chlorobenzene	10.073	112	170644	49.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	59583	50.785	ug/l	98
67) Ethyl Benzene	10.189	91	315934	52.164	ug/l	100
68) m/p-Xylenes	10.299	106	229946	103.807	ug/l	98
69) o-Xylene	10.640	106	112607	52.144	ug/l	100
70) Styrene	10.653	104	189038	53.437	ug/l	100
71) Bromoform	10.793	173	47725	54.180	ug/l #	98
73) Isopropylbenzene	10.957	105	299868	52.282	ug/l	100
74) N-amyl acetate	10.842	43	147042	51.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	96793	48.157	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	87444m	49.311	ug/l	
77) Bromobenzene	11.195	156	67130	50.414	ug/l	99
78) n-propylbenzene	11.299	91	352080	52.794	ug/l	100
79) 2-Chlorotoluene	11.360	91	216954	50.436	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	254101	53.030	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	28686	52.665	ug/l	99
82) 4-Chlorotoluene	11.451	91	250844	52.585	ug/l	99
83) tert-Butylbenzene	11.713	119	247678	51.315	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	257590	53.085	ug/l	100
85) sec-Butylbenzene	11.890	105	316224	53.360	ug/l	99
86) p-Isopropyltoluene	12.006	119	263596	53.887	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	125432	51.614	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	124840	50.301	ug/l	100
89) n-Butylbenzene	12.329	91	238906	55.678	ug/l	99
90) Hexachloroethane	12.536	117	45913	53.276	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	124588	51.088	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23004	51.663	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	74140	52.931	ug/l	98
94) Hexachlorobutadiene	13.725	225	31846	52.058	ug/l	98
95) Naphthalene	13.774	128	257718	50.167	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	74320	51.423	ug/l	99

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

