

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 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 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 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	5.543	168	98502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	167387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88548	48.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.440%			
35) Dibromofluoromethane	5.379	113	62082	51.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.000%			
50) Toluene-d8	8.640	98	206879	49.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	11.079	95	80981	50.604	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	82665	54.831	ug/l	98
3) Chloromethane	1.306	50	73977	50.599	ug/l	99
4) Vinyl Chloride	1.373	62	68541	50.372	ug/l	99
5) Bromomethane	1.593	94	29973	47.492	ug/l	98
6) Chloroethane	1.666	64	36911	50.814	ug/l	96
7) Trichlorofluoromethane	1.873	101	104977	52.202	ug/l	100
8) Diethyl Ether	2.129	74	33662	49.172	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	64320	51.683	ug/l	98
10) Methyl Iodide	2.446	142	70924	48.163	ug/l	99
11) Tert butyl alcohol	2.971	59	62867	243.884	ug/l	99
12) 1,1-Dichloroethene	2.312	96	56910	48.725	ug/l	96
13) Acrolein	2.233	56	83810	285.492	ug/l	99
14) Allyl chloride	2.654	41	115482	51.734	ug/l	98
15) Acrylonitrile	3.062	53	189375	256.923	ug/l	99
16) Acetone	2.379	43	201897	274.202	ug/l	99
17) Carbon Disulfide	2.501	76	135470	48.923	ug/l	99
18) Methyl Acetate	2.702	43	91348	53.463	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	209959	51.273	ug/l	98
20) Methylene Chloride	2.782	84	65777	46.617	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	58057	49.427	ug/l	99
22) Diisopropyl ether	3.757	45	221111	51.279	ug/l	97
23) Vinyl Acetate	3.714	43	985800	259.937	ug/l	100
24) 1,1-Dichloroethane	3.599	63	121218	50.473	ug/l	99
25) 2-Butanone	4.550	43	276370	258.541	ug/l	100
26) 2,2-Dichloropropane	4.464	77	97857	52.058	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	70401	49.788	ug/l	100
28) Bromochloromethane	4.885	49	60754	52.554	ug/l	98
29) Tetrahydrofuran	5.001	42	169140	252.509	ug/l	99
30) Chloroform	5.080	83	128041	51.150	ug/l	98
31) Cyclohexane	5.458	56	106545	48.684	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	110040	50.711	ug/l	100
36) 1,1-Dichloropropene	5.684	75	80599	49.767	ug/l	99
37) Ethyl Acetate	4.708	43	101469	50.711	ug/l	99
38) Carbon Tetrachloride	5.665	117	96000	52.757	ug/l	97
39) Methylcyclohexane	7.372	83	103987	49.874	ug/l	95
40) Benzene	6.031	78	241084	50.821	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	58409	55.803	ug/l	98
42) 1,2-Dichloroethane	6.074	62	104637	51.108	ug/l	100
43) Isopropyl Acetate	6.336	43	160905	52.712	ug/l	99
44) Trichloroethene	7.116	130	57533	50.391	ug/l	97
45) 1,2-Dichloropropane	7.427	63	61983	52.547	ug/l	98
46) Dibromomethane	7.573	93	47779	51.357	ug/l	98
47) Bromodichloromethane	7.817	83	98344	53.671	ug/l	100
48) Methyl methacrylate	7.689	41	84825	54.412	ug/l	97
49) 1,4-Dioxane	7.659	88	30084	1016.342	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	528906	261.030	ug/l	100
52) Toluene	8.713	92	147915	50.851	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89007	54.650	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	97171	53.981	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	58697	51.177	ug/l	98
56) Ethyl methacrylate	9.116	69	99742	54.564	ug/l	98
57) 1,3-Dichloropropane	9.305	76	104465	50.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	254739	273.344	ug/l	100
59) 2-Hexanone	9.427	43	390477	260.479	ug/l	100
60) Dibromochloromethane	9.518	129	69888	55.484	ug/l	99
61) 1,2-Dibromoethane	9.604	107	61530	51.616	ug/l	98
64) Tetrachloroethene	9.268	164	53943	51.953	ug/l	93
65) Chlorobenzene	10.073	112	160170	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	57345	52.285	ug/l	99
67) Ethyl Benzene	10.189	91	290658	51.336	ug/l	100
68) m/p-Xylenes	10.299	106	215927	104.273	ug/l	100
69) o-Xylene	10.640	106	104981	52.001	ug/l	99
70) Styrene	10.652	104	177405	53.645	ug/l	99
71) Bromoform	10.798	173	45067	54.730	ug/l #	99
73) Isopropylbenzene	10.957	105	282394	51.497	ug/l	100
74) N-amyl acetate	10.841	43	136431	50.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90369	47.026	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	81816m	48.256	ug/l	
77) Bromobenzene	11.195	156	63958	50.237	ug/l	99
78) n-propylbenzene	11.298	91	332668	52.174	ug/l	100
79) 2-Chlorotoluene	11.359	91	203011	49.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	238897	52.146	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26481	50.850	ug/l	99
82) 4-Chlorotoluene	11.451	91	236578	51.872	ug/l	100
83) tert-Butylbenzene	11.713	119	235120	50.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	241198	51.989	ug/l	100
85) sec-Butylbenzene	11.890	105	299076	52.784	ug/l	99
86) p-Isopropyltoluene	12.006	119	246710	52.751	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117835	50.715	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116679	49.172	ug/l	98
89) n-Butylbenzene	12.329	91	220935	53.855	ug/l	99
90) Hexachloroethane	12.536	117	43914	53.296	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115297	49.450	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21277	49.979	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	66994	50.026	ug/l	98
94) Hexachlorobutadiene	13.719	225	30548	52.230	ug/l	100
95) Naphthalene	13.774	128	241042	49.076	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69113	50.017	ug/l	100

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

