

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044920.D
 Acq On : 12 Feb 2025 10:07
 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 02/14/2025
 Supervised By : Mahesh Dadoda 02/14/2025

Quant Time: Feb 13 00:46:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	120105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	211946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91954	52.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	5.373	113	74881	54.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	8.641	98	278211	53.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
62) 4-Bromofluorobenzene	11.079	95	95016	54.089	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	86249	51.201	ug/l	100
3) Chloromethane	1.300	50	98529	48.058	ug/l	97
4) Vinyl Chloride	1.374	62	95759	48.212	ug/l	100
5) Bromomethane	1.593	94	30797	51.816	ug/l	98
6) Chloroethane	1.666	64	46742	64.424	ug/l	98
7) Trichlorofluoromethane	1.873	101	126873	50.511	ug/l	99
8) Diethyl Ether	2.130	74	45317	49.748	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	77108	50.809	ug/l	100
10) Methyl Iodide	2.447	142	100548	51.121	ug/l	99
11) Tert butyl alcohol	2.983	59	71926	220.523	ug/l	99
12) 1,1-Dichloroethene	2.312	96	73660	47.582	ug/l	97
13) Acrolein	2.233	56	82049	243.819	ug/l	97
14) Allyl chloride	2.654	41	134496	48.073	ug/l	97
15) Acrylonitrile	3.062	53	213802	245.512	ug/l	99
16) Acetone	2.379	43	175667	248.546	ug/l	98
17) Carbon Disulfide	2.501	76	196175	46.213	ug/l	100
18) Methyl Acetate	2.696	43	107526	48.211	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	239250	48.574	ug/l	98
20) Methylene Chloride	2.782	84	82539	47.678	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	72134	47.344	ug/l	89
22) Diisopropyl ether	3.751	45	261816	49.465	ug/l	90
23) Vinyl Acetate	3.715	43	1071727	248.365	ug/l	100
24) 1,1-Dichloroethane	3.599	63	144325	48.732	ug/l	99
25) 2-Butanone	4.550	43	279933	243.912	ug/l	97
26) 2,2-Dichloropropane	4.464	77	113866	48.481	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	87985	48.076	ug/l	99
28) Bromochloromethane	4.885	49	72142	50.687	ug/l	99
29) Tetrahydrofuran	4.995	42	183038	240.180	ug/l	99
30) Chloroform	5.080	83	139181	48.459	ug/l	97
31) Cyclohexane	5.458	56	129630	47.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	118700	48.724	ug/l	99
36) 1,1-Dichloropropene	5.684	75	98671	49.631	ug/l	99
37) Ethyl Acetate	4.708	43	106523	48.172	ug/l	99
38) Carbon Tetrachloride	5.665	117	98102	50.355	ug/l	99
39) Methylcyclohexane	7.372	83	134748	52.425	ug/l	98
40) Benzene	6.025	78	309040	49.781	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	62387	52.708	ug/l	99
42) 1,2-Dichloroethane	6.074	62	102405	51.758	ug/l	99
43) Isopropyl Acetate	6.330	43	181205	50.744	ug/l	99
44) Trichloroethene	7.116	130	69974	49.313	ug/l	98
45) 1,2-Dichloropropane	7.421	63	77497	50.178	ug/l	99
46) Dibromomethane	7.574	93	53707	50.143	ug/l	99
47) Bromodichloromethane	7.811	83	106971	51.579	ug/l	96
48) Methyl methacrylate	7.683	41	86305	51.258	ug/l	98
49) 1,4-Dioxane	7.659	88	35447	981.246	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	562757	259.224	ug/l	99
52) Toluene	8.714	92	188063	50.867	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	108842	51.862	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	120059	51.308	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	70772	49.796	ug/l	97
56) Ethyl methacrylate	9.110	69	117608	51.235	ug/l	98
57) 1,3-Dichloropropane	9.305	76	125770	50.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	298625	264.951	ug/l	99
59) 2-Hexanone	9.427	43	404473	258.586	ug/l	98
60) Dibromochloromethane	9.518	129	77715	51.129	ug/l	99
61) 1,2-Dibromoethane	9.604	107	72757	50.508	ug/l	98
64) Tetrachloroethene	9.268	164	59146	50.651	ug/l	98
65) Chlorobenzene	10.073	112	200858	50.505	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	64502	50.389	ug/l	99
67) Ethyl Benzene	10.189	91	358077	51.021	ug/l	99
68) m/p-Xylenes	10.299	106	264855	102.304	ug/l	99
69) o-Xylene	10.640	106	131657	50.681	ug/l	100
70) Styrene	10.652	104	220619	52.714	ug/l	99
71) Bromoform	10.793	173	49868	52.200	ug/l #	99
73) Isopropylbenzene	10.957	105	336153	49.681	ug/l	99
74) N-amyl acetate	10.841	43	151720	49.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	108321	46.588	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	90536m	48.593	ug/l	
77) Bromobenzene	11.195	156	76664	49.976	ug/l	98
78) n-propylbenzene	11.299	91	397362	50.880	ug/l	100
79) 2-Chlorotoluene	11.360	91	233123	48.568	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	276841	50.419	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34230	47.260	ug/l	98
82) 4-Chlorotoluene	11.451	91	268620	50.585	ug/l	99
83) tert-Butylbenzene	11.713	119	275866	49.664	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	275526	50.841	ug/l	99
85) sec-Butylbenzene	11.884	105	352655	51.270	ug/l	100
86) p-Isopropyltoluene	12.006	119	285566	51.626	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	139339	49.394	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	138443	48.539	ug/l	99
89) n-Butylbenzene	12.329	91	263985	53.945	ug/l	100
90) Hexachloroethane	12.536	117	50761	49.010	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	135345	48.817	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20298	47.833	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	85318	50.856	ug/l	99
94) Hexachlorobutadiene	13.719	225	34467	51.753	ug/l	98
95) Naphthalene	13.774	128	299724	49.423	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	85892	50.809	ug/l	99

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

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