

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045534.D
 Acq On : 02 Apr 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 03 01:44:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	108331	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	186062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	160517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	90188	45.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.040%		
35) Dibromofluoromethane	5.379	113	63055	47.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.520%		
50) Toluene-d8	8.641	98	219109	47.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.100%		
62) 4-Bromofluorobenzene	11.079	95	81886	48.789	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	91613	56.548	ug/l	100
3) Chloromethane	1.301	50	85609	51.436	ug/l	98
4) Vinyl Chloride	1.374	62	77123	50.633	ug/l	97
5) Bromomethane	1.593	94	34386	47.612	ug/l	99
6) Chloroethane	1.666	64	41334	51.148	ug/l	98
7) Trichlorofluoromethane	1.874	101	113427	49.938	ug/l	97
8) Diethyl Ether	2.130	74	36065	47.295	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	69166	51.967	ug/l	97
10) Methyl Iodide	2.441	142	79474	47.873	ug/l	99
11) Tert butyl alcohol	2.971	59	64349	241.693	ug/l	99
12) 1,1-Dichloroethene	2.307	96	64391	49.512	ug/l	99
13) Acrolein	2.233	56	86651	236.341	ug/l	98
14) Allyl chloride	2.654	41	124885	50.610	ug/l	99
15) Acrylonitrile	3.062	53	199897	237.850	ug/l	100
16) Acetone	2.380	43	219522	269.851	ug/l	99
17) Carbon Disulfide	2.502	76	170048	52.941	ug/l	99
18) Methyl Acetate	2.703	43	88934	47.483	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	225103	49.480	ug/l	100
20) Methylene Chloride	2.782	84	72429	47.558	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65593	49.368	ug/l	99
22) Diisopropyl ether	3.757	45	236947	48.747	ug/l	99
23) Vinyl Acetate	3.715	43	1073082	255.517	ug/l	99
24) 1,1-Dichloroethane	3.599	63	132355	48.148	ug/l	100
25) 2-Butanone	4.550	43	298310	250.515	ug/l	99
26) 2,2-Dichloropropane	4.465	77	102814	57.888	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	78009	48.192	ug/l	98
28) Bromochloromethane	4.885	49	60228	45.338	ug/l	97
29) Tetrahydrofuran	4.995	42	180703	234.063	ug/l	99
30) Chloroform	5.080	83	135555	47.923	ug/l	100
31) Cyclohexane	5.458	56	119435	49.146	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	118147	49.363	ug/l	99
36) 1,1-Dichloropropene	5.678	75	90022	50.506	ug/l	98
37) Ethyl Acetate	4.709	43	108238	48.187	ug/l	99
38) Carbon Tetrachloride	5.666	117	99640	51.725	ug/l	99
39) Methylcyclohexane	7.373	83	118606	54.285	ug/l	98
40) Benzene	6.031	78	266898	49.029	ug/l	99

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41) Methacrylonitrile	4.910	41	61962	52.281	ug/l	99
42) 1,2-Dichloroethane	6.080	62	110762	49.263	ug/l	100
43) Isopropyl Acetate	6.336	43	174259	51.186	ug/l	100
44) Trichloroethene	7.117	130	64754	50.047	ug/l	99
45) 1,2-Dichloropropane	7.421	63	67275	49.531	ug/l	99
46) Dibromomethane	7.574	93	52015	49.887	ug/l	99
47) Bromodichloromethane	7.812	83	104558	50.214	ug/l	97
48) Methyl methacrylate	7.690	41	89385	50.851	ug/l	99
49) 1,4-Dioxane	7.653	88	31982	1005.638	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	568320	251.819	ug/l	100
52) Toluene	8.714	92	160666	48.776	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	96566	48.307	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	106354	54.353	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	62853	47.884	ug/l	98
56) Ethyl methacrylate	9.110	69	106636	52.494	ug/l	98
57) 1,3-Dichloropropane	9.305	76	111980	48.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	260922	253.906	ug/l	100
59) 2-Hexanone	9.427	43	429585	257.042	ug/l	100
60) Dibromochloromethane	9.519	129	75579	52.816	ug/l	97
61) 1,2-Dibromoethane	9.604	107	66659	50.167	ug/l	98
64) Tetrachloroethene	9.269	164	55415	48.897	ug/l	98
65) Chlorobenzene	10.073	112	173859	50.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60389	50.712	ug/l	99
67) Ethyl Benzene	10.189	91	316517	51.524	ug/l	99
68) m/p-Xylenes	10.299	106	231135	103.448	ug/l	100
69) o-Xylene	10.640	106	112957	51.320	ug/l	99
70) Styrene	10.653	104	190725	52.502	ug/l	100
71) Bromoform	10.799	173	48468	54.510	ug/l #	98
73) Isopropylbenzene	10.957	105	301760	49.732	ug/l	100
74) N-amyl acetate	10.842	43	151028	52.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99649	46.750	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	88297m	47.786	ug/l	
77) Bromobenzene	11.195	156	68200	48.646	ug/l	100
78) n-propylbenzene	11.299	91	359128	51.385	ug/l	100
79) 2-Chlorotoluene	11.360	91	216348	48.421	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	253739	50.571	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	28721	52.754	ug/l	97
82) 4-Chlorotoluene	11.451	91	247039	49.590	ug/l	99
83) tert-Butylbenzene	11.713	119	251225	50.574	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	254295	50.496	ug/l	100
85) sec-Butylbenzene	11.890	105	316086	51.807	ug/l	100
86) p-Isopropyltoluene	12.006	119	262553	52.197	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	126303	49.492	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	126559	48.917	ug/l	99
89) n-Butylbenzene	12.329	91	242867	55.679	ug/l	99
90) Hexachloroethane	12.536	117	46220	53.467	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	124379	49.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23015	51.629	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	74511	52.758	ug/l	98
94) Hexachlorobutadiene	13.725	225	31694	52.078	ug/l	99
95) Naphthalene	13.774	128	267161	50.832	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75942	51.352	ug/l	98

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

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