

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035603.D
 Acq On : 11 May 2023 12:10
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2023
 Supervised By : Mahesh Dadoda 05/12/2023

Quant Time: May 11 13:29:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:25:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	227397	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	405723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	186331	46.970	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.940%		
35) Dibromofluoromethane	5.385	113	128978	47.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.280%		
50) Toluene-d8	8.647	98	479985	47.485	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.960%		
62) 4-Bromofluorobenzene	11.079	95	194215	47.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	143812	48.527	ug/l	100
3) Chloromethane	1.294	50	164105	45.630	ug/l	100
4) Vinyl Chloride	1.374	62	144604	47.378	ug/l	100
5) Bromomethane	1.618	94	75853	45.888	ug/l	96
6) Chloroethane	1.691	64	83919	45.322	ug/l	100
7) Trichlorofluoromethane	1.886	101	216291	48.195	ug/l	98
8) Diethyl Ether	2.130	74	80491	46.582	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	124232	46.625	ug/l	96
10) Methyl Iodide	2.453	142	110921	46.546	ug/l	90
11) Tert butyl alcohol	3.001	59	163420m	234.102	ug/l	
12) 1,1-Dichloroethene	2.319	96	120850	47.722	ug/l	91
13) Acrolein	2.239	56	185429	225.622	ug/l	99
14) Allyl chloride	2.666	41	254749	46.957	ug/l	95
15) Acrylonitrile	3.068	53	359125	233.020	ug/l	99
16) Acetone	2.392	43	380122	222.943	ug/l	93
17) Carbon Disulfide	2.514	76	297698	48.710	ug/l	100
18) Methyl Acetate	2.703	43	296018	47.076	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	466054	46.249	ug/l	98
20) Methylene Chloride	2.788	84	139679	45.202	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	132593	47.784	ug/l	96
22) Diisopropyl ether	3.757	45	488538	45.992	ug/l	95
23) Vinyl Acetate	3.721	43	1770071	235.510	ug/l	98
24) 1,1-Dichloroethane	3.611	63	266757	46.957	ug/l	99
25) 2-Butanone	4.556	43	543255	230.164	ug/l	96
26) 2,2-Dichloropropane	4.477	77	224566	46.680	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	155433	46.596	ug/l	95
28) Bromochloromethane	4.897	49	106649	41.737	ug/l	96
29) Tetrahydrofuran	5.007	42	339690	228.962	ug/l	98
30) Chloroform	5.093	83	270696	46.501	ug/l	97
31) Cyclohexane	5.471	56	235567	47.000	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	238870	47.161	ug/l	99
36) 1,1-Dichloropropene	5.690	75	203626	47.147	ug/l	98
37) Ethyl Acetate	4.715	43	211108	46.863	ug/l	99
38) Carbon Tetrachloride	5.678	117	194538	47.549	ug/l	97
39) Methylcyclohexane	7.379	83	240122	47.231	ug/l	92
40) Benzene	6.037	78	555155	45.948	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	124011	46.365	ug/l	96
42) 1,2-Dichloroethane	6.086	62	238688	45.924	ug/l	97
43) Isopropyl Acetate	6.336	43	362739	46.177	ug/l	100
44) Trichloroethene	7.123	130	140714	45.931	ug/l	88
45) 1,2-Dichloropropane	7.427	63	149523	46.726	ug/l	96
46) Dibromomethane	7.580	93	102783	46.924	ug/l	95
47) Bromodichloromethane	7.818	83	201400	47.570	ug/l	99
48) Methyl methacrylate	7.690	41	180882	46.658	ug/l	97
49) 1,4-Dioxane	7.708	88	69907	881.166	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1055395	233.209	ug/l	98
52) Toluene	8.720	92	351164	46.043	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	226199	49.177	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	241076	48.918	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	139918	46.708	ug/l	99
56) Ethyl methacrylate	9.116	69	227633	46.924	ug/l	97
57) 1,3-Dichloropropane	9.305	76	251306	46.278	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	595863	241.454	ug/l	100
59) 2-Hexanone	9.433	43	795878	233.521	ug/l	98
60) Dibromochloromethane	9.519	129	139122	48.722	ug/l	99
61) 1,2-Dibromoethane	9.610	107	147080	46.602	ug/l	100
64) Tetrachloroethene	9.275	164	109626	44.882	ug/l	94
65) Chlorobenzene	10.079	112	369005	46.594	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	132929	47.470	ug/l	98
67) Ethyl Benzene	10.195	91	690447	46.356	ug/l	98
68) m/p-Xylenes	10.299	106	517780	94.047	ug/l	96
69) o-Xylene	10.640	106	254406	46.567	ug/l	96
70) Styrene	10.653	104	418286	47.506	ug/l	97
71) Bromoform	10.799	173	89187	48.406	ug/l #	100
73) Isopropylbenzene	10.963	105	673057	46.996	ug/l	99
74) N-amyl acetate	10.841	43	308028	46.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	211326	45.487	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	182400m	44.802	ug/l	
77) Bromobenzene	11.195	156	148493	45.682	ug/l	92
78) n-propylbenzene	11.305	91	799596	47.496	ug/l	98
79) 2-Chlorotoluene	11.366	91	484188	45.937	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	570219	46.846	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	62354	48.339	ug/l	89
82) 4-Chlorotoluene	11.451	91	563243	46.401	ug/l	98
83) tert-Butylbenzene	11.713	119	547148	46.243	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	574254	46.985	ug/l	96
85) sec-Butylbenzene	11.890	105	705622	47.498	ug/l	98
86) p-Isopropyltoluene	12.006	119	587246	48.083	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	285531	46.239	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	291786	46.794	ug/l	98
89) n-Butylbenzene	12.329	91	539371	48.548	ug/l	98
90) Hexachloroethane	12.536	117	90996	49.157	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	277311	45.860	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	48303	46.691	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	172317	47.327	ug/l	98
94) Hexachlorobutadiene	13.725	225	68455	47.368	ug/l	98
95) Naphthalene	13.774	128	589348	47.266	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	170131	47.511	ug/l	98

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

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