

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029065.D
 Acq On : 28 May 2022 08:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 28 08:43:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	247794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	421147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	189301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155235	45.702	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.400%		
35) Dibromofluoromethane	5.391	113	138023	50.021	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.040%		
50) Toluene-d8	8.653	98	491526	47.248	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.500%		
62) 4-Bromofluorobenzene	11.079	95	190611	49.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	141170	43.509	ug/l	100
3) Chloromethane	1.288	50	132699	43.427	ug/l	99
4) Vinyl Chloride	1.374	62	145880	44.301	ug/l	98
5) Bromomethane	1.605	94	131094	57.082	ug/l	100
6) Chloroethane	1.679	64	95184	45.698	ug/l	99
7) Trichlorofluoromethane	1.886	101	226074	43.061	ug/l	97
8) Diethyl Ether	2.136	74	92611	48.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	134118	48.545	ug/l	99
10) Methyl Iodide	2.453	142	162195	49.037	ug/l	98
11) Tert butyl alcohol	3.020	59	220926m	308.342	ug/l	
12) 1,1-Dichloroethene	2.319	96	127423	49.686	ug/l	96
13) Acrolein	2.240	56	73583	131.981	ug/l	98
14) Allyl chloride	2.666	41	201347	48.951	ug/l	96
15) Acrylonitrile	3.069	53	441483	269.767	ug/l	100
16) Acetone	2.386	43	359892	246.878	ug/l	97
17) Carbon Disulfide	2.514	76	249668	37.556	ug/l	100
18) Methyl Acetate	2.703	43	202077	55.346	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	508619	55.888	ug/l	99
20) Methylene Chloride	2.788	84	153678	50.249	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	140718	48.713	ug/l	98
22) Diisopropyl ether	3.764	45	465346	52.941	ug/l	94
23) Vinyl Acetate	3.721	43	1965718	259.413	ug/l	98
24) 1,1-Dichloroethane	3.611	63	272371	53.301	ug/l	99
25) 2-Butanone	4.562	43	582765	254.679	ug/l	100
26) 2,2-Dichloropropane	4.477	77	142974	35.684	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	189552	56.183	ug/l	92
28) Bromochloromethane	4.904	49	100578	46.761	ug/l	99
29) Tetrahydrofuran	5.007	42	375919	252.739	ug/l	95
30) Chloroform	5.099	83	296047	53.531	ug/l	98
31) Cyclohexane	5.477	56	209873	44.514	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	255393	52.898	ug/l	98
36) 1,1-Dichloropropene	5.696	75	196098	47.316	ug/l	99
37) Ethyl Acetate	4.715	43	222960	51.507	ug/l	99
38) Carbon Tetrachloride	5.684	117	218410	52.366	ug/l	99
39) Methylcyclohexane	7.385	83	225121	47.365	ug/l	97
40) Benzene	6.038	78	607481	51.002	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	124438	53.614	ug/l	95
42) 1,2-Dichloroethane	6.093	62	217017	49.396	ug/l	98
43) Isopropyl Acetate	6.342	43	351038	51.836	ug/l	99
44) Trichloroethene	7.129	130	254271	78.714	ug/l	99
45) 1,2-Dichloropropane	7.434	63	160917	54.149	ug/l	100
46) Dibromomethane	7.586	93	115589	52.084	ug/l	97
47) Bromodichloromethane	7.824	83	227985	55.332	ug/l	100
48) Methyl methacrylate	7.696	41	172760	52.809	ug/l	94
49) 1,4-Dioxane	7.678	88	78765	963.763	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	1141286	255.852	ug/l	98
52) Toluene	8.720	92	401585	52.412	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	226180	47.764	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	244810	52.804	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	174635	55.895	ug/l	98
56) Ethyl methacrylate	9.116	69	269069	56.870	ug/l	96
57) 1,3-Dichloropropane	9.311	76	285776	54.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	552812	238.652	ug/l	96
59) 2-Hexanone	9.433	43	855362	246.810	ug/l	97
60) Dibromochloromethane	9.525	129	180566	59.259	ug/l	97
61) 1,2-Dibromoethane	9.610	107	180610	55.038	ug/l	98
64) Tetrachloroethene	9.275	164	132225	45.903	ug/l	96
65) Chlorobenzene	10.080	112	442991	54.743	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	174175	60.761	ug/l	99
67) Ethyl Benzene	10.195	91	766590	52.852	ug/l	98
68) m/p-Xylenes	10.305	106	601197	106.464	ug/l	98
69) o-Xylene	10.640	106	300645	54.075	ug/l	99
70) Styrene	10.659	104	511311	56.632	ug/l	99
71) Bromoform	10.799	173	130905	54.917	ug/l	99
73) Isopropylbenzene	10.964	105	792445	55.201	ug/l	99
74) N-amyl acetate	10.848	43	295059	52.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	274177	55.672	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	238660m	53.834	ug/l	
77) Bromobenzene	11.201	156	193844	57.068	ug/l	98
78) n-propylbenzene	11.305	91	876346	52.774	ug/l	98
79) 2-Chlorotoluene	11.366	91	545829	53.630	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	658443	55.045	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	68702	46.523	ug/l	96
82) 4-Chlorotoluene	11.457	91	618796	52.592	ug/l	99
83) tert-Butylbenzene	11.720	119	693358	59.868	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	667699	55.664	ug/l	100
85) sec-Butylbenzene	11.890	105	811962	56.836	ug/l	100
86) p-Isopropyltoluene	12.012	119	683971	57.056	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	364134	54.655	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	363549	52.608	ug/l	98
89) n-Butylbenzene	12.335	91	555125	53.446	ug/l	99
90) Hexachloroethane	12.543	117	115697	59.682	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	364255	55.655	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	59822	56.887	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	228255	60.383	ug/l	99
94) Hexachlorobutadiene	13.725	225	91839	59.803	ug/l	95
95) Naphthalene	13.774	128	833802	61.985	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	237392	62.527	ug/l	95

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

