

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028560.D
 Acq On : 06 May 2022 19:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 07 06:06:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	289998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	464990	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	439129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	241827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176289	46.622	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.240%		
35) Dibromofluoromethane	5.385	113	164985	50.594	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.180%		
50) Toluene-d8	8.653	98	569629	45.481	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.960%		
62) 4-Bromofluorobenzene	11.085	95	225835	47.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	113643	60.707	ug/l	98
3) Chloromethane	1.288	50	111360	59.463	ug/l	99
4) Vinyl Chloride	1.374	62	139240	47.627	ug/l	98
5) Bromomethane	1.599	94	151158	59.604	ug/l	100
6) Chloroethane	1.679	64	104124	49.722	ug/l	98
7) Trichlorofluoromethane	1.886	101	267299	41.462	ug/l	98
8) Diethyl Ether	2.136	74	107745	56.001	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	141885	60.418	ug/l	97
10) Methyl Iodide	2.453	142	174184	53.792	ug/l	98
11) Tert butyl alcohol	2.965	59	201396	279.283	ug/l	98
12) 1,1-Dichloroethene	2.319	96	129106	57.929	ug/l	95
13) Acrolein	2.233	56	113117	244.097	ug/l	97
14) Allyl chloride	2.666	41	192026	51.348	ug/l	94
15) Acrylonitrile	3.063	53	456639	296.341	ug/l	100
16) Acetone	2.380	43	367501	318.591	ug/l	95
17) Carbon Disulfide	2.508	76	254686	42.435	ug/l	99
18) Methyl Acetate	2.703	43	195452	58.136	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	520069	55.959	ug/l	98
20) Methylene Chloride	2.788	84	162419	57.891	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	149158	49.211	ug/l	91
22) Diisopropyl ether	3.764	45	459260	53.918	ug/l	91
23) Vinyl Acetate	3.721	43	1993054	267.832	ug/l	99
24) 1,1-Dichloroethane	3.611	63	275278	54.734	ug/l	99
25) 2-Butanone	4.556	43	609820	272.315	ug/l	97
26) 2,2-Dichloropropane	4.483	77	207979	42.354	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	190920	52.827	ug/l	93
28) Bromochloromethane	4.904	49	101466	47.023	ug/l	88
29) Tetrahydrofuran	5.007	42	381850	261.511	ug/l	99
30) Chloroform	5.099	83	319191	52.847	ug/l	99
31) Cyclohexane	5.471	56	202168	43.884	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	273628	50.030	ug/l	98
36) 1,1-Dichloropropene	5.696	75	202779	47.672	ug/l	97
37) Ethyl Acetate	4.715	43	235764	54.625	ug/l	99
38) Carbon Tetrachloride	5.678	117	238245	49.615	ug/l	98
39) Methylcyclohexane	7.385	83	228662	42.605	ug/l	95
40) Benzene	6.044	78	639863	51.390	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120904	54.295	ug/l	97
42) 1,2-Dichloroethane	6.092	62	233914	50.609	ug/l	100
43) Isopropyl Acetate	6.342	43	368281	52.429	ug/l	98
44) Trichloroethene	7.129	130	182229	50.469	ug/l	97
45) 1,2-Dichloropropane	7.434	63	164124	53.851	ug/l	99
46) Dibromomethane	7.580	93	128353	53.687	ug/l	100
47) Bromodichloromethane	7.824	83	248046	53.982	ug/l	98
48) Methyl methacrylate	7.696	41	174179	54.009	ug/l	93
49) 1,4-Dioxane	7.665	88	92926	1077.093	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	1245838	276.383	ug/l	98
52) Toluene	8.720	92	433938	50.164	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	249514	51.093	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	268519	51.204	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	195939	55.749	ug/l	98
56) Ethyl methacrylate	9.116	69	285671	56.072	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	306266	53.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	644582	269.652	ug/l	94
59) 2-Hexanone	9.433	43	973012	278.664	ug/l	96
60) Dibromochloromethane	9.525	129	211672	55.244	ug/l	97
61) 1,2-Dibromoethane	9.610	107	204413	53.014	ug/l	98
64) Tetrachloroethene	9.275	164	151262	44.099	ug/l	98
65) Chlorobenzene	10.080	112	501741	53.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	195790	56.137	ug/l	99
67) Ethyl Benzene	10.195	91	850971	54.204	ug/l	97
68) m/p-Xylenes	10.305	106	680145	106.447	ug/l	95
69) o-Xylene	10.647	106	340590	53.464	ug/l	96
70) Styrene	10.659	104	582910	56.480	ug/l	99
71) Bromoform	10.805	173	165249	51.249	ug/l #	100
73) Isopropylbenzene	10.964	105	896756	53.951	ug/l	99
74) N-amyl acetate	10.842	43	338233	58.874	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	327958	60.803	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	281233m	59.091	ug/l	
77) Bromobenzene	11.201	156	234240	54.111	ug/l	92
78) n-propylbenzene	11.305	91	1005222	54.540	ug/l	97
79) 2-Chlorotoluene	11.366	91	616627	53.812	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	751990	53.297	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	86557	54.047	ug/l	93
82) 4-Chlorotoluene	11.457	91	700427	53.064	ug/l	95
83) tert-Butylbenzene	11.720	119	796230	55.265	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	761426	54.289	ug/l	98
85) sec-Butylbenzene	11.890	105	923616	53.137	ug/l	98
86) p-Isopropyltoluene	12.012	119	793457	52.914	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	444965	54.705	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	453900	53.147	ug/l	98
89) n-Butylbenzene	12.335	91	636391	51.684	ug/l	97
90) Hexachloroethane	12.543	117	138918	51.432	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	442018	54.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	66520	55.455	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	268847	55.941	ug/l	100
94) Hexachlorobutadiene	13.725	225	111035	51.776	ug/l	94
95) Naphthalene	13.774	128	954925	59.647	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	277147	58.750	ug/l	96

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

