

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028583.D
 Acq On : 10 May 2022 10:12
 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 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 11 06:55:26 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	5.550	168	344037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	529312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	494603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	199285	44.425	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.860%		
35) Dibromofluoromethane	5.385	113	188729	50.843	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.680%		
50) Toluene-d8	8.647	98	640531	44.927	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.860%		
62) 4-Bromofluorobenzene	11.079	95	256863	47.119	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	121267	54.604	ug/l	100
3) Chloromethane	1.294	50	112553	50.285	ug/l	98
4) Vinyl Chloride	1.374	62	144132	41.557	ug/l	98
5) Bromomethane	1.599	94	154614	50.042	ug/l	99
6) Chloroethane	1.678	64	109263	43.582	ug/l	98
7) Trichlorofluoromethane	1.886	101	286164	37.416	ug/l	96
8) Diethyl Ether	2.130	74	114740	49.929	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	159782	57.352	ug/l	97
10) Methyl Iodide	2.453	142	194276	50.886	ug/l	97
11) Tert butyl alcohol	2.959	59	196124	227.400	ug/l	99
12) 1,1-Dichloroethene	2.319	96	141606	53.557	ug/l	92
13) Acrolein	2.233	56	127815	232.491	ug/l	99
14) Allyl chloride	2.660	41	206170	46.471	ug/l	93
15) Acrylonitrile	3.062	53	462759	253.142	ug/l	99
16) Acetone	2.373	43	391522	285.959	ug/l	95
17) Carbon Disulfide	2.508	76	253489	35.601	ug/l	100
18) Methyl Acetate	2.697	43	202306	50.723	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	573105	51.980	ug/l	97
20) Methylene Chloride	2.788	84	171388	51.493	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	159006	44.220	ug/l	91
22) Diisopropyl ether	3.757	45	497512	49.235	ug/l #	88
23) Vinyl Acetate	3.721	43	2138459	242.233	ug/l	99
24) 1,1-Dichloroethane	3.611	63	295484	49.524	ug/l	99
25) 2-Butanone	4.550	43	633938	238.620	ug/l	97
26) 2,2-Dichloropropane	4.471	77	257296	44.167	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	208132	48.544	ug/l	94
28) Bromochloromethane	4.897	49	106665	41.668	ug/l	86
29) Tetrahydrofuran	4.995	42	393324	227.059	ug/l	100
30) Chloroform	5.092	83	345336	48.195	ug/l	100
31) Cyclohexane	5.470	56	215092	39.356	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	300869	46.370	ug/l	98
36) 1,1-Dichloropropene	5.690	75	221103	45.664	ug/l	98
37) Ethyl Acetate	4.708	43	244959	49.858	ug/l	100
38) Carbon Tetrachloride	5.678	117	259305	47.439	ug/l	99
39) Methylcyclohexane	7.379	83	242038	39.617	ug/l	96
40) Benzene	6.037	78	685144	48.340	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	134487	53.055	ug/l	98
42) 1,2-Dichloroethane	6.086	62	251303	47.764	ug/l	99
43) Isopropyl Acetate	6.336	43	397378	49.697	ug/l	98
44) Trichloroethene	7.123	130	211530	51.465	ug/l	100
45) 1,2-Dichloropropane	7.427	63	176924	50.997	ug/l	98
46) Dibromomethane	7.580	93	135798	49.898	ug/l	97
47) Bromodichloromethane	7.824	83	270093	51.637	ug/l	99
48) Methyl methacrylate	7.690	41	186395	50.773	ug/l	92
49) 1,4-Dioxane	7.659	88	90269	919.150	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	1289975	251.399	ug/l	98
52) Toluene	8.720	92	467048	47.431	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	280064	50.380	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	298172	49.949	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	209563	52.380	ug/l	98
56) Ethyl methacrylate	9.116	69	304440	52.494	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	327185	50.667	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	676437	248.591	ug/l	93
59) 2-Hexanone	9.433	43	987698	248.496	ug/l	96
60) Dibromochloromethane	9.525	129	231177	53.003	ug/l	96
61) 1,2-Dibromoethane	9.610	107	219618	50.036	ug/l	99
64) Tetrachloroethene	9.275	164	206548	53.464	ug/l	97
65) Chlorobenzene	10.079	112	541391	51.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	216758	55.179	ug/l	99
67) Ethyl Benzene	10.195	91	919167	51.981	ug/l	96
68) m/p-Xylenes	10.305	106	732685	101.808	ug/l	97
69) o-Xylene	10.640	106	368868	51.408	ug/l	96
70) Styrene	10.659	104	630287	54.221	ug/l	99
71) Bromoform	10.799	173	180203	49.732	ug/l	99
73) Isopropylbenzene	10.963	105	973799	52.879	ug/l	99
74) N-amyl acetate	10.841	43	351343	55.199	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	327583	54.817	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	297524m	56.425	ug/l	
77) Bromobenzene	11.201	156	257500	53.689	ug/l	90
78) n-propylbenzene	11.305	91	1086523	53.208	ug/l	96
79) 2-Chlorotoluene	11.366	91	664047	52.306	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	817582	52.302	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	94850	53.456	ug/l	94
82) 4-Chlorotoluene	11.457	91	766925	52.442	ug/l	95
83) tert-Butylbenzene	11.713	119	828399	51.897	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	823761	53.012	ug/l	98
85) sec-Butylbenzene	11.890	105	992103	51.517	ug/l	98
86) p-Isopropyltoluene	12.012	119	860120	51.772	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	495578	54.992	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	497451	52.572	ug/l	99
89) n-Butylbenzene	12.335	91	704535	51.645	ug/l	98
90) Hexachloroethane	12.542	117	146096	48.913	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	489620	54.692	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	69342	52.176	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	306243	57.515	ug/l	99
94) Hexachlorobutadiene	13.725	225	127432	53.634	ug/l	95
95) Naphthalene	13.774	128	1037022	58.465	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	306475	58.639	ug/l	97

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

