

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042822\
 Data File : VX028393.D
 Acq On : 28 Apr 2022 11:38
 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 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 04:07:05 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	355657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	539460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	511452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	274412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	193811	41.793	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.580%		
35) Dibromofluoromethane	5.385	113	179216	47.372	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.740%		
50) Toluene-d8	8.647	98	656040	45.149	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.300%		
62) 4-Bromofluorobenzene	11.079	95	250261	45.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	153150	66.707	ug/l	100
3) Chloromethane	1.294	50	139483	60.784	ug/l	100
4) Vinyl Chloride	1.374	62	167684	46.768	ug/l	99
5) Bromomethane	1.599	94	170991	54.217	ug/l	99
6) Chloroethane	1.678	64	115972	44.839	ug/l	99
7) Trichlorofluoromethane	1.886	101	312776	39.560	ug/l	99
8) Diethyl Ether	2.130	74	112827	47.330	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	167190	58.050	ug/l	98
10) Methyl Iodide	2.453	142	227556	56.959	ug/l	98
11) Tert butyl alcohol	2.965	59	185526	207.205	ug/l	98
12) 1,1-Dichloroethene	2.319	96	148002	54.148	ug/l	96
13) Acrolein	2.233	56	122283	215.161	ug/l	98
14) Allyl chloride	2.660	41	211831	46.187	ug/l	92
15) Acrylonitrile	3.062	53	438036	231.789	ug/l	99
16) Acetone	2.373	43	421417	297.795	ug/l	95
17) Carbon Disulfide	2.514	76	315445	42.855	ug/l	99
18) Methyl Acetate	2.703	43	193212	46.860	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	554046	48.609	ug/l	98
20) Methylene Chloride	2.788	84	178516	51.882	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	172792	46.484	ug/l	92
22) Diisopropyl ether	3.757	45	476746	45.638	ug/l #	85
23) Vinyl Acetate	3.721	43	2048959	224.512	ug/l	98
24) 1,1-Dichloroethane	3.611	63	296440	48.060	ug/l	99
25) 2-Butanone	4.550	43	610221	222.188	ug/l	99
26) 2,2-Dichloropropane	4.477	77	262495	43.587	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	210426	47.475	ug/l	91
28) Bromochloromethane	4.897	49	110279	41.673	ug/l	87
29) Tetrahydrofuran	5.001	42	368378	205.710	ug/l	99
30) Chloroform	5.092	83	336515	45.429	ug/l	99
31) Cyclohexane	5.470	56	242048	42.841	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	299600	44.665	ug/l	98
36) 1,1-Dichloropropene	5.690	75	233276	47.271	ug/l	97
37) Ethyl Acetate	4.708	43	228930	45.719	ug/l	99
38) Carbon Tetrachloride	5.678	117	263778	47.350	ug/l	97
39) Methylcyclohexane	7.379	83	281795	45.257	ug/l	94
40) Benzene	6.037	78	701529	48.565	ug/l	99

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41) Methacrylonitrile	4.922	41	121083	46.869	ug/l	97
42) 1,2-Dichloroethane	6.086	62	249060	46.447	ug/l	99
43) Isopropyl Acetate	6.336	43	370320	45.441	ug/l	99
44) Trichloroethene	7.123	130	214627	51.236	ug/l	100
45) 1,2-Dichloropropane	7.427	63	171359	48.464	ug/l	99
46) Dibromomethane	7.580	93	133744	48.219	ug/l	98
47) Bromodichloromethane	7.818	83	255749	47.975	ug/l	99
48) Methyl methacrylate	7.690	41	173241	46.302	ug/l	94
49) 1,4-Dioxane	7.659	88	82261	821.853	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	1191952	227.926	ug/l	98
52) Toluene	8.720	92	479595	47.789	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	277011	48.894	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	295566	48.581	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	204158	50.069	ug/l	99
56) Ethyl methacrylate	9.116	69	293814	49.709	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	322854	49.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	672173	242.377	ug/l	93
59) 2-Hexanone	9.433	43	930922	229.806	ug/l	96
60) Dibromochloromethane	9.525	129	220174	49.531	ug/l	97
61) 1,2-Dibromoethane	9.610	107	217555	48.634	ug/l	100
64) Tetrachloroethene	9.275	164	211957	53.056	ug/l	98
65) Chlorobenzene	10.079	112	546181	50.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	208619	51.357	ug/l	99
67) Ethyl Benzene	10.195	91	938178	51.309	ug/l	96
68) m/p-Xylenes	10.299	106	756886	101.706	ug/l	94
69) o-Xylene	10.640	106	371695	50.096	ug/l	95
70) Styrene	10.659	104	627713	52.221	ug/l	99
71) Bromoform	10.799	173	163436	44.059	ug/l	100
73) Isopropylbenzene	10.963	105	975174	51.702	ug/l	99
74) N-amyl acetate	10.841	43	331844	50.903	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	309237	50.524	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	280626m	51.962	ug/l	
77) Bromobenzene	11.201	156	254148	51.738	ug/l	90
78) n-propylbenzene	11.305	91	1105505	52.858	ug/l	96
79) 2-Chlorotoluene	11.366	91	656413	50.482	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	818200	51.104	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	89948	49.495	ug/l	94
82) 4-Chlorotoluene	11.457	91	764459	51.038	ug/l	95
83) tert-Butylbenzene	11.713	119	827979	50.645	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	821332	51.607	ug/l	97
85) sec-Butylbenzene	11.890	105	1005933	51.001	ug/l	97
86) p-Isopropyltoluene	12.012	119	873425	51.330	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	484169	52.456	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	493922	50.966	ug/l	99
89) n-Butylbenzene	12.335	91	718329	51.412	ug/l	98
90) Hexachloroethane	12.542	117	140032	45.891	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	473326	51.622	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63960	46.989	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	300602	55.121	ug/l	100
94) Hexachlorobutadiene	13.725	225	129675	53.288	ug/l	94
95) Naphthalene	13.774	128	1013816	55.805	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	300159	56.073	ug/l	96

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

