

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052322\
 Data File : VX028909.D
 Acq On : 23 May 2022 21:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 05:38:27 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	279846	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	461658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196612	51.254	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.500%			
35) Dibromofluoromethane	5.391	113	158897	52.533	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.060%			
50) Toluene-d8	8.653	98	569821	49.968	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.085	95	231795	54.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	169176	46.169	ug/l	99
3) Chloromethane	1.288	50	140310	40.659	ug/l	99
4) Vinyl Chloride	1.374	62	160732	43.220	ug/l	99
5) Bromomethane	1.599	94	73074	25.023	ug/l	97
6) Chloroethane	1.679	64	102899	43.645	ug/l	99
7) Trichlorofluoromethane	1.886	101	261557	44.114	ug/l	96
8) Diethyl Ether	2.130	74	95026	43.985	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	147060	47.133	ug/l	99
10) Methyl Iodide	2.453	142	154029	41.234	ug/l	93
11) Tert butyl alcohol	2.965	59	210174	258.440	ug/l	99
12) 1,1-Dichloroethene	2.319	96	136120	46.998	ug/l	99
13) Acrolein	2.233	56	43925	69.762	ug/l	99
14) Allyl chloride	2.666	41	221903	47.770	ug/l	93
15) Acrylonitrile	3.062	53	459319	248.520	ug/l	99
16) Acetone	2.380	43	399669	242.763	ug/l	94
17) Carbon Disulfide	2.508	76	305719	40.720	ug/l	99
18) Methyl Acetate	2.703	43	212254	51.475	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	530613	51.627	ug/l	99
20) Methylene Chloride	2.788	84	163723	47.402	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	149643	45.870	ug/l	98
22) Diisopropyl ether	3.763	45	481365	48.491	ug/l	93
23) Vinyl Acetate	3.721	43	2106737	246.180	ug/l	97
24) 1,1-Dichloroethane	3.611	63	284022	49.215	ug/l	99
25) 2-Butanone	4.556	43	641121	248.091	ug/l	97
26) 2,2-Dichloropropane	4.477	77	213175	47.112	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	185416	48.662	ug/l	98
28) Bromochloromethane	4.904	49	113582	46.758	ug/l	99
29) Tetrahydrofuran	5.007	42	408836	243.388	ug/l	94
30) Chloroform	5.099	83	313006	50.115	ug/l	100
31) Cyclohexane	5.477	56	234954	44.126	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	280676	51.476	ug/l	99
36) 1,1-Dichloropropene	5.696	75	218956	48.196	ug/l	99
37) Ethyl Acetate	4.715	43	244718	51.572	ug/l	98
38) Carbon Tetrachloride	5.684	117	241898	52.908	ug/l	98
39) Methylcyclohexane	7.385	83	246381	47.290	ug/l	95
40) Benzene	6.044	78	634496	48.595	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	135123	53.109	ug/l	94
42) 1,2-Dichloroethane	6.092	62	252361	52.400	ug/l	98
43) Isopropyl Acetate	6.342	43	379248	51.087	ug/l	97
44) Trichloroethene	7.129	130	179990	50.829	ug/l	94
45) 1,2-Dichloropropane	7.434	63	163923	50.320	ug/l	100
46) Dibromomethane	7.580	93	122022	50.158	ug/l	96
47) Bromodichloromethane	7.824	83	242995	53.800	ug/l	100
48) Methyl methacrylate	7.696	41	191561	53.418	ug/l	90
49) 1,4-Dioxane	7.659	88	95224	1062.910	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1251977	256.037	ug/l	96
52) Toluene	8.720	92	420874	50.110	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	252588	48.629	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	269369	53.003	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	179015	52.269	ug/l	98
56) Ethyl methacrylate	9.116	69	281256	54.229	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	299750	51.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	633207	249.371	ug/l	97
59) 2-Hexanone	9.433	43	984903	259.250	ug/l	93
60) Dibromochloromethane	9.525	129	188198	56.344	ug/l	96
61) 1,2-Dibromoethane	9.610	107	189126	52.576	ug/l	99
64) Tetrachloroethene	9.275	164	162589	49.980	ug/l	96
65) Chlorobenzene	10.079	112	467819	51.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	178666	55.190	ug/l	98
67) Ethyl Benzene	10.195	91	835263	50.992	ug/l	99
68) m/p-Xylenes	10.305	106	647942	101.602	ug/l	98
69) o-Xylene	10.646	106	321653	51.229	ug/l	97
70) Styrene	10.659	104	543555	53.309	ug/l	97
71) Bromoform	10.799	173	136212	50.745	ug/l #	99
73) Isopropylbenzene	10.963	105	850216	50.301	ug/l	99
74) N-amyl acetate	10.841	43	331321	49.866	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	291622	50.292	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	268219m	51.386	ug/l	
77) Bromobenzene	11.201	156	204761	51.199	ug/l	96
78) n-propylbenzene	11.305	91	964621	49.338	ug/l	99
79) 2-Chlorotoluene	11.366	91	600108	50.079	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	721717	51.244	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77637	44.808	ug/l #	87
82) 4-Chlorotoluene	11.457	91	694034	50.099	ug/l	99
83) tert-Butylbenzene	11.719	119	716825	52.568	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	727908	51.540	ug/l	99
85) sec-Butylbenzene	11.890	105	857249	50.965	ug/l	100
86) p-Isopropyltoluene	12.012	119	732373	51.889	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	391646	49.927	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	397581	48.864	ug/l	98
89) n-Butylbenzene	12.335	91	606975	49.633	ug/l	99
90) Hexachloroethane	12.542	117	114607	50.211	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	398705	51.739	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	67857	54.805	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	231660	52.050	ug/l	98
94) Hexachlorobutadiene	13.725	225	95115	52.604	ug/l	95
95) Naphthalene	13.774	128	864052	54.555	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	232149	51.933	ug/l	96

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

