

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042222\
 Data File : VX028314.D
 Acq On : 23 Apr 2022 05:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 23 06:53:02 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	344270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	556340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	522426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	285621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207850	46.303	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.600%		
35) Dibromofluoromethane	5.391	113	188281	48.258	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.520%		
50) Toluene-d8	8.653	98	690110	46.053	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.100%		
62) 4-Bromofluorobenzene	11.085	95	254151	44.357	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	133610	60.121	ug/l	99
3) Chloromethane	1.288	50	131949	59.345	ug/l	100
4) Vinyl Chloride	1.374	62	158267	45.601	ug/l	99
5) Bromomethane	1.605	94	159014	51.703	ug/l	98
6) Chloroethane	1.679	64	112574	44.974	ug/l	99
7) Trichlorofluoromethane	1.886	101	300452	39.258	ug/l	98
8) Diethyl Ether	2.136	74	110091	47.737	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	150172	53.866	ug/l	99
10) Methyl Iodide	2.453	142	183211	48.257	ug/l	96
11) Tert butyl alcohol	2.989	59	204592	237.497	ug/l	98
12) 1,1-Dichloroethene	2.319	96	140445	53.082	ug/l	94
13) Acrolein	2.233	56	158526	288.158	ug/l	99
14) Allyl chloride	2.666	41	189381	42.657	ug/l	93
15) Acrylonitrile	3.062	53	427720	233.816	ug/l	100
16) Acetone	2.380	43	358214	261.334	ug/l	95
17) Carbon Disulfide	2.514	76	299955	42.099	ug/l	100
18) Methyl Acetate	2.703	43	185282	46.423	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	515972	46.766	ug/l	98
20) Methylene Chloride	2.788	84	159891	48.006	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	160336	44.560	ug/l	94
22) Diisopropyl ether	3.763	45	445284	44.036	ug/l	91
23) Vinyl Acetate	3.721	43	1956083	221.425	ug/l	98
24) 1,1-Dichloroethane	3.611	63	274306	45.943	ug/l	98
25) 2-Butanone	4.556	43	585161	220.111	ug/l	97
26) 2,2-Dichloropropane	4.477	77	176535	30.283	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	194469	45.326	ug/l	89
28) Bromochloromethane	4.897	49	114203	44.583	ug/l	86
29) Tetrahydrofuran	5.001	42	375506	216.626	ug/l	99
30) Chloroform	5.093	83	316347	44.119	ug/l	98
31) Cyclohexane	5.471	56	230717	42.187	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	283846	43.716	ug/l	98
36) 1,1-Dichloropropene	5.696	75	220284	43.284	ug/l	97
37) Ethyl Acetate	4.715	43	228553	44.259	ug/l	100
38) Carbon Tetrachloride	5.678	117	250787	43.652	ug/l	98
39) Methylcyclohexane	7.385	83	260413	40.554	ug/l	94
40) Benzene	6.044	78	653955	43.898	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	114441	42.954	ug/l	97
42) 1,2-Dichloroethane	6.086	62	233024	42.138	ug/l	98
43) Isopropyl Acetate	6.342	43	356279	42.392	ug/l	98
44) Trichloroethene	7.129	130	198238	45.888	ug/l	96
45) 1,2-Dichloropropane	7.434	63	158960	43.593	ug/l	100
46) Dibromomethane	7.586	93	126340	44.168	ug/l	99
47) Bromodichloromethane	7.824	83	237396	43.181	ug/l	99
48) Methyl methacrylate	7.696	41	165160	42.803	ug/l	94
49) 1,4-Dioxane	7.671	88	95261	922.857	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1168771	216.712	ug/l	98
52) Toluene	8.720	92	449814	43.461	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	238270	40.780	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	259594	41.374	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	188198	44.754	ug/l	98
56) Ethyl methacrylate	9.116	69	274965	45.108	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	297946	43.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	653627	228.539	ug/l	92
59) 2-Hexanone	9.433	43	923000	220.937	ug/l	96
60) Dibromochloromethane	9.525	129	199664	43.554	ug/l	97
61) 1,2-Dibromoethane	9.610	107	204415	44.310	ug/l	98
64) Tetrachloroethene	9.275	164	186498	45.703	ug/l	98
65) Chlorobenzene	10.079	112	501787	45.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	194044	46.766	ug/l	97
67) Ethyl Benzene	10.195	91	858883	45.985	ug/l	97
68) m/p-Xylenes	10.305	106	698034	91.828	ug/l	94
69) o-Xylene	10.640	106	345057	45.529	ug/l	95
70) Styrene	10.659	104	573108	46.677	ug/l	99
71) Bromoform	10.805	173	147904	39.442	ug/l #	99
73) Isopropylbenzene	10.963	105	888029	45.234	ug/l	99
74) N-amyl acetate	10.848	43	319054	47.020	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	296318	46.514	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	257635m	45.833	ug/l	
77) Bromobenzene	11.201	156	234886	45.940	ug/l	89
78) n-propylbenzene	11.305	91	988032	45.387	ug/l	95
79) 2-Chlorotoluene	11.366	91	594846	43.952	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	759998	45.606	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	72137	38.136	ug/l	91
82) 4-Chlorotoluene	11.457	91	692172	44.399	ug/l	95
83) tert-Butylbenzene	11.713	119	780427	45.863	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	758358	45.780	ug/l	98
85) sec-Butylbenzene	11.890	105	920907	44.857	ug/l	97
86) p-Isopropyltoluene	12.012	119	805503	45.481	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	447643	46.596	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	447036	44.317	ug/l	99
89) n-Butylbenzene	12.335	91	633853	43.585	ug/l	97
90) Hexachloroethane	12.542	117	127733	40.442	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	449791	47.130	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	64831	45.760	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	277889	48.956	ug/l	100
94) Hexachlorobutadiene	13.725	225	112309	44.340	ug/l	92
95) Naphthalene	13.774	128	981951	51.930	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	282187	50.647	ug/l	96

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

