

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061722\
 Data File : VX029541.D
 Acq On : 17 Jun 2022 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/20/2022

Quant Time: Jun 17 09:24:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	183020	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	298429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160296	57.811	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.620%			
35) Dibromofluoromethane	5.385	113	140472	55.368	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.740%			
50) Toluene-d8	8.653	98	515158	57.413	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.820%			
62) 4-Bromofluorobenzene	11.085	95	202657	57.714	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	121407	41.787	ug/l	99
3) Chloromethane	1.288	50	133788	43.146	ug/l	100
4) Vinyl Chloride	1.374	62	135043	41.963	ug/l	97
5) Bromomethane	1.611	94	66367	38.503	ug/l	97
6) Chloroethane	1.684	64	87525	65.868	ug/l	97
7) Trichlorofluoromethane	1.886	101	203125	43.313	ug/l	98
8) Diethyl Ether	2.136	74	81352	44.506	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	128924	45.611	ug/l	97
10) Methyl Iodide	2.453	142	105999	30.873	ug/l	97
11) Tert butyl alcohol	2.989	59	176287	230.124	ug/l	# 84
12) 1,1-Dichloroethene	2.318	96	119320	43.369	ug/l	96
13) Acrolein	2.239	56	49750	147.196	ug/l	99
14) Allyl chloride	2.666	41	200609	45.424	ug/l	95
15) Acrylonitrile	3.068	53	384633	220.891	ug/l	99
16) Acetone	2.386	43	330490	223.218	ug/l	97
17) Carbon Disulfide	2.514	76	284945	42.077	ug/l	98
18) Methyl Acetate	2.703	43	178000	45.378	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	458398	48.265	ug/l	99
20) Methylene Chloride	2.788	84	139154	42.086	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	133972	43.386	ug/l	98
22) Diisopropyl ether	3.763	45	413820	46.419	ug/l	94
23) Vinyl Acetate	3.721	43	1764298	238.722	ug/l	98
24) 1,1-Dichloroethane	3.611	63	242236	45.051	ug/l	99
25) 2-Butanone	4.562	43	536498	229.070	ug/l	99
26) 2,2-Dichloropropane	4.477	77	203566	53.103	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	163151	44.667	ug/l	96
28) Bromochloromethane	4.903	49	99870	47.248	ug/l	99
29) Tetrahydrofuran	5.007	42	346619	227.087	ug/l	94
30) Chloroform	5.098	83	261982	45.151	ug/l	98
31) Cyclohexane	5.470	56	216876	43.712	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	230365	46.082	ug/l	98
36) 1,1-Dichloropropene	5.696	75	189869	45.304	ug/l	100
37) Ethyl Acetate	4.714	43	200191	46.275	ug/l	99
38) Carbon Tetrachloride	5.684	117	193687	45.216	ug/l	97
39) Methylcyclohexane	7.385	83	243068	47.087	ug/l	96
40) Benzene	6.043	78	566108	45.373	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	112144	48.624	ug/l	94
42) 1,2-Dichloroethane	6.092	62	194645	44.912	ug/l	100
43) Isopropyl Acetate	6.342	43	317592	48.866	ug/l	98
44) Trichloroethene	7.129	130	160434	47.230	ug/l	97
45) 1,2-Dichloropropane	7.433	63	141100	45.999	ug/l	99
46) Dibromomethane	7.580	93	102713	46.223	ug/l	93
47) Bromodichloromethane	7.824	83	203005	48.402	ug/l	99
48) Methyl methacrylate	7.696	41	156145	47.767	ug/l	92
49) 1,4-Dioxane	7.677	88	73661	876.030	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	1025616	241.124	ug/l	97
52) Toluene	8.720	92	374311	46.735	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	218480	47.964	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	236675	50.264	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	152090	46.945	ug/l	99
56) Ethyl methacrylate	9.116	69	241654	51.270	ug/l	95
57) 1,3-Dichloropropane	9.311	76	251702	46.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	567960	248.044	ug/l	98
59) 2-Hexanone	9.433	43	782146	241.854	ug/l	97
60) Dibromochloromethane	9.524	129	156551	49.948	ug/l	96
61) 1,2-Dibromoethane	9.610	107	161325	46.686	ug/l	99
64) Tetrachloroethene	9.275	164	140544	47.910	ug/l	95
65) Chlorobenzene	10.079	112	394141	46.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	146477	49.352	ug/l	99
67) Ethyl Benzene	10.195	91	721049	48.117	ug/l	99
68) m/p-Xylenes	10.305	106	559769	96.548	ug/l	99
69) o-Xylene	10.646	106	276358	49.052	ug/l	99
70) Styrene	10.658	104	471470	50.142	ug/l	98
71) Bromoform	10.799	173	108860	51.644	ug/l #	100
73) Isopropylbenzene	10.963	105	728164	47.954	ug/l	99
74) N-amyl acetate	10.847	43	263633	51.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	234073	45.675	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	211690m	46.988	ug/l	
77) Bromobenzene	11.201	156	166891	46.808	ug/l	96
78) n-propylbenzene	11.305	91	834107	48.408	ug/l	99
79) 2-Chlorotoluene	11.366	91	508185	47.892	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	622388	48.271	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	68505	47.408	ug/l	95
82) 4-Chlorotoluene	11.457	91	580931	47.430	ug/l	100
83) tert-Butylbenzene	11.719	119	605849	48.426	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	617996	48.560	ug/l	99
85) sec-Butylbenzene	11.890	105	772900	50.310	ug/l	99
86) p-Isopropyltoluene	12.012	119	650723	50.525	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	324061	47.624	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	324198	46.846	ug/l	97
89) n-Butylbenzene	12.335	91	565206	52.053	ug/l	100
90) Hexachloroethane	12.542	117	95302	46.544	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	317364	47.038	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	52829	49.564	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	203537	51.110	ug/l	98
94) Hexachlorobutadiene	13.725	225	79801	48.201	ug/l	96
95) Naphthalene	13.780	128	738396	52.536	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	201108	50.645	ug/l	95

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

