

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032203.D
 Acq On : 19 Oct 2022 13:18
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 13:44:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 13:40:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	136380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112734	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	256301	131.792	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 263.580%#			
35) Dibromofluoromethane	5.385	113	213143	146.895	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 293.780%#			
50) Toluene-d8	8.653	98	782951	148.121	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 296.240%#			
62) 4-Bromofluorobenzene	11.079	95	320926	156.010	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 312.020%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	183187	139.733	ug/l	99
3) Chloromethane	1.294	50	173124	126.458	ug/l	100
4) Vinyl Chloride	1.374	62	188930	138.667	ug/l	99
5) Bromomethane	1.611	94	186901	230.428	ug/l	98
6) Chloroethane	1.678	64	125810	139.797	ug/l	97
7) Trichlorofluoromethane	1.886	101	368737	161.339	ug/l	97
8) Diethyl Ether	2.136	74	124958	158.008	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	185991	138.525	ug/l	95
10) Methyl Iodide	2.453	142	277454	149.367	ug/l	93
11) Tert butyl alcohol	3.044	59	175031m	379.345	ug/l	
12) 1,1-Dichloroethene	2.319	96	177771	141.372	ug/l	99
13) Acrolein	2.239	56	157864	1231.635	ug/l	100
14) Allyl chloride	2.666	41	297627	130.236	ug/l	90
15) Acrylonitrile	3.068	53	481155	604.901	ug/l	97
16) Acetone	2.386	43	408604	492.756	ug/l	93
17) Carbon Disulfide	2.514	76	445642	141.416	ug/l	100
18) Methyl Acetate	2.703	43	284345	109.375	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	636189	137.663	ug/l	100
20) Methylene Chloride	2.788	84	202086	126.911	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	197795	143.678	ug/l	100
22) Diisopropyl ether	3.763	45	648994	144.590	ug/l	97
23) Vinyl Acetate	3.727	43	2676794	734.485	ug/l	97
24) 1,1-Dichloroethane	3.611	63	357393	135.695	ug/l	98
25) 2-Butanone	4.562	43	653348	534.942	ug/l	96
26) 2,2-Dichloropropane	4.477	77	303131	131.403	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	233168	146.659	ug/l	100
28) Bromochloromethane	4.903	49	141183	131.560	ug/l	100
29) Tetrahydrofuran	5.007	42	427532	559.266	ug/l	93
30) Chloroform	5.099	83	393938	140.650	ug/l	100
31) Cyclohexane	5.470	56	301751	132.651	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	358148	142.877	ug/l	99
36) 1,1-Dichloropropene	5.696	75	281053	141.290	ug/l	99
37) Ethyl Acetate	4.714	43	274474	118.418	ug/l	95
38) Carbon Tetrachloride	5.678	117	316650	141.431	ug/l	98
39) Methylcyclohexane	7.379	83	347260	146.219	ug/l	100
40) Benzene	6.037	78	801930	140.560	ug/l	100

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41) Methacrylonitrile	4.922	41	149178	120.687	ug/l	94
42) 1,2-Dichloroethane	6.086	62	317161	133.314	ug/l	95
43) Isopropyl Acetate	6.342	43	458216	124.190	ug/l	94
44) Trichloroethene	7.129	130	223217	139.249	ug/l	99
45) 1,2-Dichloropropane	7.433	63	205840	136.697	ug/l	96
46) Dibromomethane	7.580	93	155613	141.180	ug/l	99
47) Bromodichloromethane	7.824	83	307026	149.801	ug/l	99
48) Methyl methacrylate	7.696	41	230085	124.982	ug/l	88
49) 1,4-Dioxane	7.690	88	77758	2017.217	ug/l	95
51) 4-Methyl-2-Pentanone	8.580	43	1377300	585.801	ug/l	93
52) Toluene	8.720	92	538995	144.144	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	338190	145.502	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	352032	146.358	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	220226	138.290	ug/l	99
56) Ethyl methacrylate	9.116	69	339403	142.136	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	352821	136.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	722299	626.748	ug/l	100
59) 2-Hexanone	9.433	43	1016225	554.707	ug/l	90
60) Dibromochloromethane	9.525	129	253530	157.711	ug/l	99
61) 1,2-Dibromoethane	9.610	107	236058	139.114	ug/l	100
64) Tetrachloroethene	9.275	164	189097	123.582	ug/l	96
65) Chlorobenzene	10.079	112	589200	144.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	227638	151.152	ug/l	100
67) Ethyl Benzene	10.195	91	1071145	150.686	ug/l	99
68) m/p-Xylenes	10.305	106	883309	324.571	ug/l	98
69) o-Xylene	10.646	106	430494	158.467	ug/l	99
70) Styrene	10.659	104	758582	172.132	ug/l	99
71) Bromoform	10.799	173	191161	168.580	ug/l #	99
73) Isopropylbenzene	10.963	105	1165372	138.817	ug/l	100
74) N-amyl acetate	10.848	43	443598	125.522	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	356204	131.154	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	338359m	130.529	ug/l	
77) Bromobenzene	11.201	156	284163	134.683	ug/l	95
78) n-propylbenzene	11.305	91	1368506	144.300	ug/l	99
79) 2-Chlorotoluene	11.366	91	796361	135.186	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1039275	146.866	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	110791	125.699	ug/l	94
82) 4-Chlorotoluene	11.457	91	974559	145.403	ug/l	99
83) tert-Butylbenzene	11.719	119	1020365	149.395	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	996795	143.198	ug/l	99
85) sec-Butylbenzene	11.890	105	1240836	145.003	ug/l	99
86) p-Isopropyltoluene	12.012	119	1079458	150.278	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	539514	142.758	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	547835	142.016	ug/l	99
89) n-Butylbenzene	12.335	91	998620	160.675	ug/l	98
90) Hexachloroethane	12.542	117	174871	151.103	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	533723	143.951	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	76044	122.043	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	353345	161.722	ug/l	99
94) Hexachlorobutadiene	13.725	225	143793	131.792	ug/l	99
95) Naphthalene	13.774	128	1109114	157.858	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	349694	158.787	ug/l	99

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

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