

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034449.D
 Acq On : 14 Mar 2023 08:54
 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 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 06:33:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	320300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	541230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	507950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	233799	50.174	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.340%			
35) Dibromofluoromethane	5.379	113	182121	50.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	697213	52.265	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.540%			
62) 4-Bromofluorobenzene	11.079	95	288684	53.576	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	135093	45.242	ug/l	100
3) Chloromethane	1.307	50	198990	43.831	ug/l	98
4) Vinyl Chloride	1.374	62	185548	45.636	ug/l	98
5) Bromomethane	1.599	94	99451	48.479	ug/l	100
6) Chloroethane	1.679	64	116573	49.796	ug/l	98
7) Trichlorofluoromethane	1.886	101	297207	48.648	ug/l	99
8) Diethyl Ether	2.130	74	111425	49.962	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	162692	45.695	ug/l	98
10) Methyl Iodide	2.447	142	230322	49.273	ug/l	99
11) Tert butyl alcohol	2.953	59	201226	207.374	ug/l	100
12) 1,1-Dichloroethene	2.319	96	157173	44.824	ug/l	98
13) Acrolein	2.233	56	200194	260.791	ug/l	99
14) Allyl chloride	2.660	41	315253	44.347	ug/l	100
15) Acrylonitrile	3.056	53	491350	234.407	ug/l	100
16) Acetone	2.374	43	580228	264.345	ug/l	99
17) Carbon Disulfide	2.508	76	412489	41.802	ug/l	99
18) Methyl Acetate	2.697	43	326275	45.493	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	590384	47.025	ug/l	99
20) Methylene Chloride	2.788	84	187621	44.043	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	176283	47.339	ug/l	99
22) Diisopropyl ether	3.758	45	653261	48.198	ug/l	91
23) Vinyl Acetate	3.715	43	2520620	244.359	ug/l	99
24) 1,1-Dichloroethane	3.605	63	337662	46.345	ug/l	98
25) 2-Butanone	4.544	43	801679	255.256	ug/l	99
26) 2,2-Dichloropropane	4.471	77	291269	45.991	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	209260	46.681	ug/l	100
28) Bromochloromethane	4.891	49	172301	50.861	ug/l	99
29) Tetrahydrofuran	4.995	42	463390	239.109	ug/l	99
30) Chloroform	5.087	83	347220	48.618	ug/l	99
31) Cyclohexane	5.465	56	299951	45.899	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	299412	47.357	ug/l	100
36) 1,1-Dichloropropene	5.690	75	254129	46.301	ug/l	99
37) Ethyl Acetate	4.702	43	279446	46.604	ug/l	99
38) Carbon Tetrachloride	5.672	117	257902	47.233	ug/l	97
39) Methylcyclohexane	7.373	83	305942	46.578	ug/l	96
40) Benzene	6.032	78	760730	47.379	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	158048	48.096	ug/l	99
42) 1,2-Dichloroethane	6.080	62	286243	48.508	ug/l	100
43) Isopropyl Acetate	6.336	43	492419	48.477	ug/l	100
44) Trichloroethene	7.123	130	193100	46.287	ug/l	97
45) 1,2-Dichloropropane	7.428	63	204270	48.724	ug/l	98
46) Dibromomethane	7.574	93	138071	48.443	ug/l	98
47) Bromodichloromethane	7.818	83	275037	49.860	ug/l	98
48) Methyl methacrylate	7.690	41	237658	48.647	ug/l	99
49) 1,4-Dioxane	7.653	88	97960	954.666	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	1470983	249.629	ug/l	99
52) Toluene	8.714	92	484903	48.780	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	320976	51.649	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	334492	49.750	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	199797	50.645	ug/l	99
56) Ethyl methacrylate	9.116	69	324592	50.112	ug/l	99
57) 1,3-Dichloropropane	9.305	76	346213	49.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	835329	250.238	ug/l	100
59) 2-Hexanone	9.427	43	1211388	265.939	ug/l	100
60) Dibromochloromethane	9.519	129	216353	52.290	ug/l	100
61) 1,2-Dibromoethane	9.610	107	211012	49.567	ug/l	100
64) Tetrachloroethene	9.269	164	156493	45.864	ug/l	98
65) Chlorobenzene	10.080	112	525102	47.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	199652	49.187	ug/l	99
67) Ethyl Benzene	10.189	91	962216	48.227	ug/l	97
68) m/p-Xylenes	10.299	106	735756	95.997	ug/l	100
69) o-Xylene	10.640	106	364411	47.379	ug/l	99
70) Styrene	10.653	104	606905	48.907	ug/l	100
71) Bromoform	10.799	173	158071	50.591	ug/l #	99
73) Isopropylbenzene	10.964	105	949651	46.404	ug/l	100
74) N-amyl acetate	10.842	43	470089	47.959	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	321583	47.091	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	270572m	44.504	ug/l	
77) Bromobenzene	11.195	156	230641	46.974	ug/l	100
78) n-propylbenzene	11.305	91	1141150	48.283	ug/l	100
79) 2-Chlorotoluene	11.366	91	694906	47.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	824670	48.043	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	107045	47.632	ug/l	99
82) 4-Chlorotoluene	11.451	91	808516	48.089	ug/l	99
83) tert-Butylbenzene	11.713	119	814240	47.048	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	835371	47.619	ug/l	99
85) sec-Butylbenzene	11.890	105	1008973	47.687	ug/l	100
86) p-Isopropyltoluene	12.006	119	856624	48.173	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	443763	46.128	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	456268	46.905	ug/l	100
89) n-Butylbenzene	12.329	91	772662	48.877	ug/l	99
90) Hexachloroethane	12.536	117	161924	49.212	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	436727	46.975	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	72757	46.894	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	270730	46.566	ug/l	98
94) Hexachlorobutadiene	13.725	225	109735	46.851	ug/l	98
95) Naphthalene	13.774	128	902413	46.287	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	266883	46.961	ug/l	98

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

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