

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034528.D
 Acq On : 15 Mar 2023 23:01
 Operator : JC/MD
 Sample : 01909-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DS-02-031023-AMMS

Quant Time: Mar 16 05:27:57 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

Manual Integrations APPROVED

Reviewed By : John Carlone 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	261615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	450786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	410118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	204165	53.643	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.280%			
35) Dibromofluoromethane	5.385	113	154150	51.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.580%			
50) Toluene-d8	8.647	98	564785	50.832	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	227569	50.707	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	117537	48.192	ug/l	99
3) Chloromethane	1.307	50	166118	44.828	ug/l	100
4) Vinyl Chloride	1.374	62	158029	47.586	ug/l	98
5) Bromomethane	1.599	94	85864	51.245	ug/l	97
6) Chloroethane	1.679	64	100347	52.481	ug/l	99
7) Trichlorofluoromethane	1.886	101	254528	51.008	ug/l	99
8) Diethyl Ether	2.130	74	94506	51.882	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	139351	47.919	ug/l	99
10) Methyl Iodide	2.453	142	196420	51.446	ug/l	96
11) Tert butyl alcohol	2.959	59	171547	216.445	ug/l	100
12) 1,1-Dichloroethene	2.319	96	135214	47.212	ug/l	97
13) Acrolein	2.233	56	187252	298.650	ug/l	99
14) Allyl chloride	2.660	41	268288	46.206	ug/l	97
15) Acrylonitrile	3.062	53	437073	255.287	ug/l	99
16) Acetone	2.374	43	375367	209.374	ug/l	99
17) Carbon Disulfide	2.508	76	338776	42.033	ug/l	99
18) Methyl Acetate	2.703	43	253331	43.245	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	510834	49.816	ug/l	98
20) Methylene Chloride	2.788	84	158045	45.422	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	147371	48.452	ug/l	98
22) Diisopropyl ether	3.757	45	549292	49.618	ug/l	95
23) Vinyl Acetate	3.721	43	1848825	219.437	ug/l	99
24) 1,1-Dichloroethane	3.605	63	292934	49.225	ug/l	99
25) 2-Butanone	4.550	43	624039	243.266	ug/l	100
26) 2,2-Dichloropropane	4.471	77	221245	42.771	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	179010	48.891	ug/l	99
28) Bromochloromethane	4.897	49	145686	52.651	ug/l	98
29) Tetrahydrofuran	5.001	42	407147	257.214	ug/l	99
30) Chloroform	5.093	83	304780	52.248	ug/l	99
31) Cyclohexane	5.471	56	255686	47.902	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	265399	51.394	ug/l	99
36) 1,1-Dichloropropene	5.690	75	217719	47.626	ug/l	99
37) Ethyl Acetate	4.715	43	214319	42.914	ug/l	99
38) Carbon Tetrachloride	5.678	117	222382	48.900	ug/l	98
39) Methylcyclohexane	7.379	83	252566	46.167	ug/l	97
40) Benzene	6.038	78	643801	48.142	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	140194	51.222	ug/l	99
42) 1,2-Dichloroethane	6.086	62	259088	52.715	ug/l	99
43) Isopropyl Acetate	6.336	43	396107	46.819	ug/l	100
44) Trichloroethene	7.123	130	162050	46.637	ug/l	97
45) 1,2-Dichloropropane	7.428	63	172657	49.446	ug/l	99
46) Dibromomethane	7.580	93	118021	49.716	ug/l	98
47) Bromodichloromethane	7.824	83	230059	50.074	ug/l	97
48) Methyl methacrylate	7.690	41	207529	51.002	ug/l	98
49) 1,4-Dioxane	7.653	88	80137	937.664	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1289491	262.735	ug/l	99
52) Toluene	8.720	92	403753	48.766	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	248804	48.069	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	264612	47.253	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	166931	50.804	ug/l	97
56) Ethyl methacrylate	9.116	69	272518	50.514	ug/l	98
57) 1,3-Dichloropropane	9.305	76	293847	50.318	ug/l	99
59) 2-Hexanone	9.427	43	972885	256.432	ug/l	100
60) Dibromochloromethane	9.519	129	175153	50.826	ug/l	100
61) 1,2-Dibromoethane	9.610	107	174607	49.244	ug/l	100
64) Tetrachloroethene	9.275	164	126630	45.965	ug/l	99
65) Chlorobenzene	10.079	112	429986	47.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	162971	49.728	ug/l	99
67) Ethyl Benzene	10.195	91	791994	49.165	ug/l	98
68) m/p-Xylenes	10.299	106	593137	95.850	ug/l	97
69) o-Xylene	10.640	106	299232	48.185	ug/l	99
70) Styrene	10.653	104	493630	49.268	ug/l	99
71) Bromoform	10.799	173	122775	48.668	ug/l #	99
73) Isopropylbenzene	10.963	105	780257	48.676	ug/l	99
74) N-amyl acetate	10.842	43	340639	44.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	272572	50.958	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	224539m	47.151	ug/l	
77) Bromobenzene	11.195	156	184134	47.879	ug/l	98
78) n-propylbenzene	11.305	91	919064	49.646	ug/l	99
79) 2-Chlorotoluene	11.366	91	566656	49.562	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	665021	49.462	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78582	44.641	ug/l	94
82) 4-Chlorotoluene	11.451	91	652856	49.574	ug/l	100
83) tert-Butylbenzene	11.713	119	680926	50.231	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	669575	48.729	ug/l	99
85) sec-Butylbenzene	11.890	105	814345	49.138	ug/l	100
86) p-Isopropyltoluene	12.006	119	685155	49.191	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	359495	47.708	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	362979	47.639	ug/l	100
89) n-Butylbenzene	12.335	91	592703	47.867	ug/l	98
90) Hexachloroethane	12.536	117	122112	47.380	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	355718	48.848	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	61183	50.345	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	213312	46.842	ug/l	100
94) Hexachlorobutadiene	13.725	225	84835	46.242	ug/l	100
95) Naphthalene	13.774	128	755128	49.449	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	213664	47.999	ug/l	97

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

