

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039009.D
 Acq On : 22 Nov 2023 17:41
 Operator : JC/MD
 Sample : 05407-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20231114MS

Quant Time: Nov 23 01:36:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	108208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91804	52.652	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.300%			
35) Dibromofluoromethane	5.385	113	72572	50.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.647	98	270757	49.024	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.040%			
62) 4-Bromofluorobenzene	11.079	95	108774	49.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72547	57.459	ug/l	96
3) Chloromethane	1.294	50	84506	51.280	ug/l	98
4) Vinyl Chloride	1.374	62	85826	54.067	ug/l	100
5) Bromomethane	1.599	94	52109	79.395	ug/l	98
6) Chloroethane	1.678	64	50551	55.802	ug/l	99
7) Trichlorofluoromethane	1.886	101	116635	57.902	ug/l	100
8) Diethyl Ether	2.136	74	45491	51.851	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	63630	47.632	ug/l	95
10) Methyl Iodide	2.453	142	73092	44.954	ug/l	94
11) Tert butyl alcohol	2.959	59	129002	266.011	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	65784	48.777	ug/l	97
13) Acrolein	2.233	56	65953	257.057	ug/l	99
14) Allyl chloride	2.660	41	136797	50.661	ug/l	96
15) Acrylonitrile	3.062	53	263818	257.459	ug/l	99
16) Acetone	2.380	43	216859	233.636	ug/l	93
17) Carbon Disulfide	2.508	76	199629	47.785	ug/l	99
18) Methyl Acetate	2.703	43	205375	46.583	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	248801	52.450	ug/l	99
20) Methylene Chloride	2.788	84	80985	48.401	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	75734	50.892	ug/l	98
22) Diisopropyl ether	3.763	45	260077	52.502	ug/l #	86
23) Vinyl Acetate	3.721	43	1005527	281.846	ug/l	99
24) 1,1-Dichloroethane	3.611	63	141667	51.141	ug/l	100
25) 2-Butanone	4.556	43	379713	252.270	ug/l	98
26) 2,2-Dichloropropane	4.477	77	120850	50.294	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	87965	50.712	ug/l	98
28) Bromochloromethane	4.897	49	68129	51.225	ug/l	97
29) Tetrahydrofuran	5.001	42	258642	270.629	ug/l	99
30) Chloroform	5.093	83	145044	53.622	ug/l	99
31) Cyclohexane	5.470	56	129985	52.215	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	126667	54.064	ug/l	99
36) 1,1-Dichloropropene	5.696	75	108082	52.241	ug/l	99
37) Ethyl Acetate	4.715	43	140909	52.276	ug/l	99
38) Carbon Tetrachloride	5.678	117	105908	55.387	ug/l	96
39) Methylcyclohexane	7.379	83	135217	50.105	ug/l	96
40) Benzene	6.037	78	324313	52.999	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	74945	53.609	ug/l	94
42) 1,2-Dichloroethane	6.086	62	119667	59.025	ug/l	98
43) Isopropyl Acetate	6.342	43	229569	53.292	ug/l	100
44) Trichloroethene	7.123	130	79380	53.294	ug/l	93
45) 1,2-Dichloropropane	7.427	63	87151	52.924	ug/l	98
46) Dibromomethane	7.580	93	60524	55.114	ug/l	97
47) Bromodichloromethane	7.824	83	116891	53.630	ug/l	99
48) Methyl methacrylate	7.690	41	132774	63.526	ug/l	94
49) 1,4-Dioxane	7.659	88	44167	1092.291	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	755036	274.270	ug/l	100
52) Toluene	8.720	92	201336	53.021	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	131803	50.886	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	137888	51.537	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	83589	52.756	ug/l	97
56) Ethyl methacrylate	9.116	69	106980	39.906	ug/l	97
57) 1,3-Dichloropropane	9.305	76	142050	54.209	ug/l	99
59) 2-Hexanone	9.427	43	599314	271.611	ug/l	98
60) Dibromochloromethane	9.519	129	87093	54.060	ug/l	100
61) 1,2-Dibromoethane	9.610	107	90527	54.449	ug/l	99
64) Tetrachloroethene	9.275	164	61862	52.536	ug/l	95
65) Chlorobenzene	10.079	112	211911	51.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	78261	53.315	ug/l	99
67) Ethyl Benzene	10.195	91	402901	53.740	ug/l	100
68) m/p-Xylenes	10.299	106	296514	104.552	ug/l	99
69) o-Xylene	10.640	106	144930	51.646	ug/l	99
70) Styrene	10.652	104	216589	45.701	ug/l	99
71) Bromoform	10.799	173	63360	51.778	ug/l #	99
73) Isopropylbenzene	10.963	105	382758	49.964	ug/l	99
74) N-amyl acetate	10.841	43	194709	48.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	147418	49.296	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	122558m	49.960	ug/l	
77) Bromobenzene	11.195	156	88083	51.171	ug/l	99
78) n-propylbenzene	11.305	91	464760	49.288	ug/l	99
79) 2-Chlorotoluene	11.366	91	273070	48.797	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	334627	51.951	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	47915	43.325	ug/l	86
82) 4-Chlorotoluene	11.451	91	322863	50.037	ug/l	99
83) tert-Butylbenzene	11.713	119	325557	51.320	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	337261	51.731	ug/l	100
85) sec-Butylbenzene	11.890	105	403557	48.634	ug/l	99
86) p-Isopropyltoluene	12.012	119	334730	50.251	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	169190	50.193	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	170220	49.340	ug/l	99
89) n-Butylbenzene	12.335	91	330364	49.157	ug/l	96
90) Hexachloroethane	12.536	117	63386	47.651	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	163551	51.156	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36877	50.332	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	105505	49.246	ug/l	97
94) Hexachlorobutadiene	13.725	225	35538	46.841	ug/l	98
95) Naphthalene	13.774	128	389053	48.758	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	102130	50.288	ug/l	99

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

