

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050223\
 Data File : VX035489.D
 Acq On : 02 May 2023 19:05
 Operator : JC/MD
 Sample : 02521-09MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-7MS

Quant Time: May 03 03:18:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/03/2023
 Supervised By : Mahesh Dadoda 05/03/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	158417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	275723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98604	51.593	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.385	113	77894	46.028	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.060%			
50) Toluene-d8	8.647	98	278056	43.556	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.120%#			
62) 4-Bromofluorobenzene	11.079	95	103187	42.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69427	41.418	ug/l	97
3) Chloromethane	1.294	50	61392	40.260	ug/l	99
4) Vinyl Chloride	1.374	62	63728	41.668	ug/l	97
5) Bromomethane	1.611	94	34802	34.237	ug/l	97
6) Chloroethane	1.685	64	39375	44.020	ug/l	98
7) Trichlorofluoromethane	1.886	101	102623	42.908	ug/l	98
8) Diethyl Ether	2.130	74	41111	47.144	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	61786	38.679	ug/l	95
10) Methyl Iodide	2.453	142	67928	33.693	ug/l	97
11) Tert butyl alcohol	2.977	59	95468	274.339	ug/l	98
12) 1,1-Dichloroethene	2.319	96	64526	41.938	ug/l	99
13) Acrolein	2.239	56	103381	302.083	ug/l	99
14) Allyl chloride	2.666	41	116744	43.116	ug/l	97
15) Acrylonitrile	3.062	53	262610	301.724	ug/l	100
16) Acetone	2.386	43	226556	272.936	ug/l	99
17) Carbon Disulfide	2.514	76	140394	38.063	ug/l	98
18) Methyl Acetate	2.703	43	173490	54.049	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	283082	53.628	ug/l	95
20) Methylene Chloride	2.788	84	84529	44.412	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	74208	44.408	ug/l	93
22) Diisopropyl ether	3.757	45	267453	49.915	ug/l	93
23) Vinyl Acetate	3.721	43	861393	233.882	ug/l	98
24) 1,1-Dichloroethane	3.611	63	145833	48.319	ug/l	99
25) 2-Butanone	4.556	43	371255	306.425	ug/l	92
26) 2,2-Dichloropropane	4.477	77	67850	28.695	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	98673	50.234	ug/l	91
28) Bromochloromethane	4.897	49	65033	50.563	ug/l	84
29) Tetrahydrofuran	5.007	42	242184	311.822	ug/l	95
30) Chloroform	5.099	83	159740	52.429	ug/l	99
31) Cyclohexane	5.470	56	109178	40.270	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	128453	48.107	ug/l	97
36) 1,1-Dichloropropene	5.690	75	103448	39.148	ug/l	97
37) Ethyl Acetate	4.714	43	122871	50.911	ug/l	96
38) Carbon Tetrachloride	5.678	117	105870	42.205	ug/l	97
39) Methylcyclohexane	7.379	83	106070	32.977	ug/l	98
40) Benzene	6.037	78	337795	44.562	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	78779	56.966	ug/l	96
42) 1,2-Dichloroethane	6.086	62	130446	48.264	ug/l	97
43) Isopropyl Acetate	6.336	43	204175	50.347	ug/l	96
44) Trichloroethene	7.123	130	87084	41.702	ug/l	97
45) 1,2-Dichloropropane	7.427	63	89817	46.998	ug/l	99
46) Dibromomethane	7.580	93	63302	48.235	ug/l	91
47) Bromodichloromethane	7.824	83	118052	48.823	ug/l	98
48) Methyl methacrylate	7.690	41	108806	54.697	ug/l	92
49) 1,4-Dioxane	7.683	88	45464	937.620	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	709118	284.620	ug/l	96
52) Toluene	8.720	92	212153	44.153	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	116647	46.194	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	129465	45.360	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	94391	49.278	ug/l	98
56) Ethyl methacrylate	9.116	69	151035	52.931	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	160133	48.876	ug/l	99
59) 2-Hexanone	9.427	43	536463	286.618	ug/l	94
60) Dibromochloromethane	9.518	129	95366	51.964	ug/l	99
61) 1,2-Dibromoethane	9.610	107	100008	50.646	ug/l	98
64) Tetrachloroethene	9.275	164	70994	37.763	ug/l	99
65) Chlorobenzene	10.079	112	232610	43.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	90164	48.771	ug/l	98
67) Ethyl Benzene	10.195	91	386253	41.987	ug/l	99
68) m/p-Xylenes	10.299	106	292292	82.919	ug/l	99
69) o-Xylene	10.640	106	150607	43.570	ug/l	99
70) Styrene	10.652	104	245241	43.757	ug/l	98
71) Bromoform	10.799	173	68868	53.555	ug/l #	99
73) Isopropylbenzene	10.963	105	364879	44.323	ug/l	100
74) N-amyl acetate	10.841	43	158172	51.127	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	144779	56.662	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	119843m	53.348	ug/l	
77) Bromobenzene	11.195	156	100486	49.106	ug/l	91
78) n-propylbenzene	11.305	91	387753	41.012	ug/l	98
79) 2-Chlorotoluene	11.366	91	260187	44.040	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	301609	43.451	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	33173	47.827	ug/l	99
82) 4-Chlorotoluene	11.457	91	290919	43.842	ug/l	97
83) tert-Butylbenzene	11.713	119	305240	43.827	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	307257	44.055	ug/l	99
85) sec-Butylbenzene	11.890	105	318444	37.276	ug/l	99
86) p-Isopropyltoluene	12.012	119	276963	38.119	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	171151	44.010	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	171094	41.962	ug/l	99
89) n-Butylbenzene	12.329	91	196682	32.066	ug/l	98
90) Hexachloroethane	12.536	117	44956	40.419	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	175155	45.033	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31668	61.809	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	89267	36.512	ug/l	99
94) Hexachlorobutadiene	13.725	225	26684	24.869	ug/l	98
95) Naphthalene	13.774	128	379708	50.450	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	90290	36.686	ug/l	98

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

