

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050223\
 Data File : VX035490.D
 Acq On : 02 May 2023 19:28
 Operator : JC/MD
 Sample : 02521-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-7MSD

Quant Time: May 03 03:18:19 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	5.556	168	183547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	326028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138121	62.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 124.740%#			
35) Dibromofluoromethane	5.385	113	112099	56.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.040%			
50) Toluene-d8	8.647	98	400393	53.041	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.080%			
62) 4-Bromofluorobenzene	11.079	95	156220	55.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	70532	36.316	ug/l	100
3) Chloromethane	1.295	50	76648	43.383	ug/l	98
4) Vinyl Chloride	1.374	62	74570	42.082	ug/l	99
5) Bromomethane	1.618	94	46003	39.060	ug/l	96
6) Chloroethane	1.685	64	43884	42.344	ug/l	98
7) Trichlorofluoromethane	1.886	101	114017	41.145	ug/l	98
8) Diethyl Ether	2.130	74	51606	51.077	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	64118	34.643	ug/l	95
10) Methyl Iodide	2.453	142	97324	41.665	ug/l	98
11) Tert butyl alcohol	2.983	59	108119	268.155	ug/l	97
12) 1,1-Dichloroethene	2.319	96	75651	42.436	ug/l	98
13) Acrolein	2.239	56	119094	300.352	ug/l	99
14) Allyl chloride	2.666	41	141302	45.041	ug/l	97
15) Acrylonitrile	3.063	53	284440	282.061	ug/l	99
16) Acetone	2.386	43	246132	255.922	ug/l	99
17) Carbon Disulfide	2.514	76	176471	41.294	ug/l	99
18) Methyl Acetate	2.703	43	190809	51.306	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	350384	57.290	ug/l	96
20) Methylene Chloride	2.788	84	106070	48.099	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	89651	46.304	ug/l	96
22) Diisopropyl ether	3.757	45	319584	51.478	ug/l	91
23) Vinyl Acetate	3.721	43	1026914	240.648	ug/l	97
24) 1,1-Dichloroethane	3.611	63	176504	50.475	ug/l	99
25) 2-Butanone	4.556	43	377979	269.261	ug/l	92
26) 2,2-Dichloropropane	4.477	77	81457	29.733	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	116162	51.041	ug/l	90
28) Bromochloromethane	4.898	49	77323	51.888	ug/l #	82
29) Tetrahydrofuran	5.007	42	245915	273.276	ug/l	94
30) Chloroform	5.093	83	188094	53.283	ug/l	97
31) Cyclohexane	5.471	56	110242	35.096	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	150992	48.806	ug/l	97
36) 1,1-Dichloropropene	5.696	75	119241	38.162	ug/l	99
37) Ethyl Acetate	4.715	43	130039	45.567	ug/l	95
38) Carbon Tetrachloride	5.678	117	123706	41.706	ug/l	98
39) Methylcyclohexane	7.379	83	105963	27.860	ug/l	99
40) Benzene	6.038	78	392381	43.777	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	83129	50.837	ug/l	95
42) 1,2-Dichloroethane	6.086	62	155851	48.767	ug/l	98
43) Isopropyl Acetate	6.336	43	231049	48.183	ug/l	95
44) Trichloroethene	7.129	130	106787	43.247	ug/l	91
45) 1,2-Dichloropropane	7.428	63	109667	48.531	ug/l	99
46) Dibromomethane	7.580	93	78082	50.317	ug/l	91
47) Bromodichloromethane	7.824	83	150367	52.592	ug/l	100
48) Methyl methacrylate	7.690	41	128512	54.635	ug/l	92
49) 1,4-Dioxane	7.690	88	48845	851.917	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	802620	272.442	ug/l	95
52) Toluene	8.720	92	262866	46.267	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	153374	51.366	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	166315	49.279	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	117702	51.967	ug/l	98
56) Ethyl methacrylate	9.116	69	185163	54.879	ug/l	90
57) 1,3-Dichloropropane	9.305	76	198121	51.141	ug/l	100
59) 2-Hexanone	9.427	43	596873	269.689	ug/l	94
60) Dibromochloromethane	9.519	129	122082	56.257	ug/l	99
61) 1,2-Dibromoethane	9.610	107	123910	53.068	ug/l	100
64) Tetrachloroethene	9.275	164	85129	35.892	ug/l	98
65) Chlorobenzene	10.080	112	293924	43.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	112019	48.027	ug/l	98
67) Ethyl Benzene	10.195	91	490936	42.299	ug/l	100
68) m/p-Xylenes	10.299	106	374622	84.236	ug/l	99
69) o-Xylene	10.640	106	192330	44.102	ug/l	99
70) Styrene	10.653	104	320093	45.269	ug/l	97
71) Bromoform	10.799	173	87339	53.834	ug/l	97
73) Isopropylbenzene	10.964	105	465118	43.079	ug/l	100
74) N-amyl acetate	10.842	43	195454	48.171	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	172791	51.561	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	144375m	49.001	ug/l	
77) Bromobenzene	11.195	156	131045	48.827	ug/l	91
78) n-propylbenzene	11.305	91	505186	40.740	ug/l	98
79) 2-Chlorotoluene	11.366	91	336281	43.399	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	392773	43.143	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	40414	44.426	ug/l	99
82) 4-Chlorotoluene	11.457	91	388901	44.686	ug/l	98
83) tert-Butylbenzene	11.713	119	393895	43.122	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	404683	44.240	ug/l	100
85) sec-Butylbenzene	11.890	105	418853	37.382	ug/l	99
86) p-Isopropyltoluene	12.006	119	368495	38.669	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	228861	44.871	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	232320	43.443	ug/l	99
89) n-Butylbenzene	12.335	91	277457	34.490	ug/l	99
90) Hexachloroethane	12.536	117	61335	42.046	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	230109	45.108	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	37698	56.100	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	132676	41.377	ug/l	100
94) Hexachlorobutadiene	13.725	225	40460	28.750	ug/l	99
95) Naphthalene	13.774	128	496177	50.264	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	133031	41.213	ug/l	99

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

