

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032723\
 Data File : VX034761.D
 Acq On : 27 Mar 2023 19:41
 Operator : JC/MD
 Sample : 02101-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWCB-05-85-90-032423MSD

Quant Time: Mar 28 03:24:54 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 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	246301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422972	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	183929	51.331	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.385	113	140197	50.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	8.646	98	502912	48.240	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.480%			
62) 4-Bromofluorobenzene	11.079	95	205842	48.882	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	146509	63.806	ug/l	98
3) Chloromethane	1.294	50	179679	51.703	ug/l	100
4) Vinyl Chloride	1.373	62	180944	57.874	ug/l	99
5) Bromomethane	1.617	94	114213	72.402	ug/l	100
6) Chloroethane	1.690	64	113707	63.165	ug/l	96
7) Trichlorofluoromethane	1.885	101	294990	62.792	ug/l	99
8) Diethyl Ether	2.129	74	107305	62.571	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	160797	58.732	ug/l	99
10) Methyl Iodide	2.452	142	193655	53.875	ug/l	97
11) Tert butyl alcohol	3.007	59	259091m	347.227	ug/l	
12) 1,1-Dichloroethene	2.318	96	156637	58.093	ug/l	96
13) Acrolein	2.239	56	133470	226.108	ug/l	99
14) Allyl chloride	2.666	41	314102	57.460	ug/l	96
15) Acrylonitrile	3.068	53	517473	321.040	ug/l	99
16) Acetone	2.391	43	473380	280.462	ug/l	98
17) Carbon Disulfide	2.513	76	379265	49.982	ug/l	100
18) Methyl Acetate	2.702	43	359989	65.274	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	604092	62.573	ug/l	99
20) Methylene Chloride	2.788	84	182444	55.695	ug/l	96
21) trans-1,2-Dichloroethene	3.092	96	171299	59.821	ug/l	98
22) Diisopropyl ether	3.757	45	643265	61.720	ug/l	97
23) Vinyl Acetate	3.720	43	2305818	290.694	ug/l	99
24) 1,1-Dichloroethane	3.611	63	342261	61.090	ug/l	99
25) 2-Butanone	4.562	43	764018	316.352	ug/l	97
26) 2,2-Dichloropropane	4.476	77	269218	55.281	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	206141	59.801	ug/l	99
28) Bromochloromethane	4.897	49	149267	57.300	ug/l	99
29) Tetrahydrofuran	5.007	42	489363	328.376	ug/l	99
30) Chloroform	5.092	83	351659	64.033	ug/l	98
31) Cyclohexane	5.470	56	299969	59.693	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	304585	62.649	ug/l	100
36) 1,1-Dichloropropene	5.690	75	254499	59.333	ug/l	99
37) Ethyl Acetate	4.714	43	285436	60.913	ug/l	99
38) Carbon Tetrachloride	5.677	117	253561	59.422	ug/l	97
39) Methylcyclohexane	7.378	83	279096	54.371	ug/l	95
40) Benzene	6.037	78	741317	59.079	ug/l	100

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41) Methacrylonitrile	4.921	41	148550m	57.845	ug/l	
42) 1,2-Dichloroethane	6.086	62	292398	63.405	ug/l	98
43) Isopropyl Acetate	6.336	43	485764	61.192	ug/l	100
44) Trichloroethene	7.128	130	188717	57.884	ug/l	99
45) 1,2-Dichloropropane	7.433	63	196941	60.110	ug/l	100
46) Dibromomethane	7.579	93	132873	59.653	ug/l	99
47) Bromodichloromethane	7.823	83	258880	60.052	ug/l	98
48) Methyl methacrylate	7.689	41	238256	62.404	ug/l	99
49) 1,4-Dioxane	7.720	88	106052	1322.488	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	1486482	322.788	ug/l	99
52) Toluene	8.720	92	463406	59.652	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	289484	59.606	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	311560	59.295	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	189397	61.432	ug/l	99
56) Ethyl methacrylate	9.116	69	314707	62.170	ug/l	99
57) 1,3-Dichloropropane	9.311	76	330974	60.403	ug/l	100
59) 2-Hexanone	9.433	43	1132558	318.149	ug/l	100
60) Dibromochloromethane	9.524	129	192772	59.617	ug/l	100
61) 1,2-Dibromoethane	9.610	107	199794	60.053	ug/l	100
64) Tetrachloroethene	9.274	164	157662	62.333	ug/l	99
65) Chlorobenzene	10.079	112	492363	59.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	182495	60.650	ug/l	100
67) Ethyl Benzene	10.195	91	906846	61.314	ug/l	98
68) m/p-Xylenes	10.299	106	683601	120.320	ug/l	99
69) o-Xylene	10.640	106	342640	60.095	ug/l	100
70) Styrene	10.658	104	563210	61.225	ug/l	100
71) Bromoform	10.798	173	131265	56.673	ug/l #	98
73) Isopropylbenzene	10.963	105	880386	59.491	ug/l	99
74) N-amyl acetate	10.841	43	426726	60.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	297528	60.250	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	250111m	56.889	ug/l	
77) Bromobenzene	11.201	156	209776	59.084	ug/l	99
78) n-propylbenzene	11.304	91	1029142	60.217	ug/l	100
79) 2-Chlorotoluene	11.365	91	634807	60.142	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	734310	59.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88574	54.503	ug/l	95
82) 4-Chlorotoluene	11.457	91	732987	60.289	ug/l	100
83) tert-Butylbenzene	11.713	119	733868	58.639	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	746897	58.878	ug/l	99
85) sec-Butylbenzene	11.890	105	876098	57.261	ug/l	99
86) p-Isopropyltoluene	12.012	119	734868	57.149	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	401875	57.768	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	405414	57.635	ug/l	100
89) n-Butylbenzene	12.335	91	639282	55.924	ug/l	99
90) Hexachloroethane	12.542	117	124293	52.238	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	393493	58.530	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	70061	62.445	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	230499	54.826	ug/l	99
94) Hexachlorobutadiene	13.725	225	92942	54.875	ug/l	98
95) Naphthalene	13.773	128	852937	60.500	ug/l	100
96) 1,2,3-Trichlorobenzene	13.962	180	232283	56.522	ug/l	96

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

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