

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078428.D
 Acq On : 27 Jun 2023 19:53
 Operator : JC\MD
 Sample : 03376-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1MSD

Quant Time: Jun 28 07:15:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	365914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	645685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	571698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	281256	57.649	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.300%			
35) Dibromofluoromethane	8.177	113	245190	60.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.120%			
50) Toluene-d8	10.571	98	889321	56.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.020%#			
62) 4-Bromofluorobenzene	12.853	95	288486	58.961	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	184556	44.619	ug/l	99
3) Chloromethane	2.371	50	223791	57.795	ug/l	99
4) Vinyl Chloride	2.518	62	314165	58.004	ug/l	98
5) Bromomethane	2.942	94	227176	55.500	ug/l	96
6) Chloroethane	3.118	64	232680	63.019	ug/l	95
7) Trichlorofluoromethane	3.500	101	395687	53.873	ug/l	95
8) Diethyl Ether	3.977	74	138099	53.511	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	212555	54.835	ug/l	97
10) Methyl Iodide	4.600	142	313438	57.178	ug/l	97
11) Tert butyl alcohol	5.536	59	188378	279.636	ug/l	100
12) 1,1-Dichloroethene	4.353	96	215891	54.030	ug/l	94
13) Acrolein	4.189	56	244032	328.683	ug/l	94
14) Allyl chloride	5.030	41	276136	56.613	ug/l	94
15) Acrylonitrile	5.730	53	536143	308.698	ug/l	99
16) Acetone	4.436	43	403959	287.662	ug/l	90
17) Carbon Disulfide	4.718	76	533720	51.894	ug/l	98
18) Methyl Acetate	5.036	43	352740	54.559	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	731682	57.392	ug/l	95
20) Methylene Chloride	5.283	84	257963	55.589	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	240463	55.796	ug/l	89
22) Diisopropyl ether	6.683	45	696606	60.715	ug/l	95
23) Vinyl Acetate	6.612	43	1992290	292.113	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	441464	58.327	ug/l	99
25) 2-Butanone	7.494	43	662921	306.981	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	329796	59.013	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	282899	55.031	ug/l	93
28) Bromochloromethane	7.818	49	202260	58.202	ug/l	93
29) Tetrahydrofuran	7.847	42	435321	301.546	ug/l	85
30) Chloroform	7.971	83	529852	65.011	ug/l	96
31) Cyclohexane	8.265	56	333123	53.229	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	429025	59.959	ug/l	97
36) 1,1-Dichloropropene	8.377	75	354780	60.584	ug/l	96
37) Ethyl Acetate	7.565	43	278311	60.837	ug/l	94
38) Carbon Tetrachloride	8.371	117	378999	61.293	ug/l	96
39) Methylcyclohexane	9.606	83	299870	49.412	ug/l	90
40) Benzene	8.612	78	1046833	59.879	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	148082	59.720	ug/l	95
42) 1,2-Dichloroethane	8.677	62	354566	59.151	ug/l	98
43) Isopropyl Acetate	8.694	43	483636	55.280	ug/l	94
44) Trichloroethene	9.359	130	268907	58.243	ug/l	96
45) 1,2-Dichloropropane	9.629	63	266800	61.338	ug/l	98
46) Dibromomethane	9.718	93	194689	60.768	ug/l	94
47) Bromodichloromethane	9.894	83	388058	65.207	ug/l	99
48) Methyl methacrylate	9.688	41	226396	61.663	ug/l	91
49) 1,4-Dioxane	9.700	88	89707	1162.499	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	1463698	317.707	ug/l	93
52) Toluene	10.635	92	666689	60.399	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	390946	63.077	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	412197	60.164	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	267428	64.046	ug/l	97
56) Ethyl methacrylate	10.876	69	380841	62.639	ug/l	92
57) 1,3-Dichloropropane	11.171	76	447069	63.430	ug/l	100
59) 2-Hexanone	11.200	43	1029602	320.962	ug/l	92
60) Dibromochloromethane	11.365	129	296014	64.785	ug/l	100
61) 1,2-Dibromoethane	11.476	107	271169	61.883	ug/l	99
64) Tetrachloroethene	11.112	164	388626	101.895	ug/l	99
65) Chlorobenzene	11.894	112	708978	57.908	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	280304	62.248	ug/l	97
67) Ethyl Benzene	11.970	91	1254376	59.377	ug/l	97
68) m/p-Xylenes	12.076	106	950879	118.107	ug/l	97
69) o-Xylene	12.400	106	467232	59.097	ug/l	97
70) Styrene	12.418	104	753799	60.562	ug/l	98
71) Bromoform	12.582	173	186901	64.315	ug/l #	100
73) Isopropylbenzene	12.700	105	1128118	52.394	ug/l	98
74) N-amyl acetate	12.500	43	384477	54.225	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	370510	63.212	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	338123m	62.816	ug/l	
77) Bromobenzene	12.982	156	269675	53.954	ug/l	98
78) n-propylbenzene	13.041	91	1259034	53.821	ug/l	100
79) 2-Chlorotoluene	13.129	91	802305	53.132	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	914969	52.487	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	98666	56.316	ug/l	90
82) 4-Chlorotoluene	13.223	91	763104	54.147	ug/l	97
83) tert-Butylbenzene	13.441	119	765921	50.546	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	920965	54.493	ug/l	100
85) sec-Butylbenzene	13.623	105	951534	47.977	ug/l	99
86) p-Isopropyltoluene	13.735	119	798499	49.613	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	441465	52.216	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	428389	52.511	ug/l	99
89) n-Butylbenzene	14.059	91	600401	47.295	ug/l	96
90) Hexachloroethane	14.341	117	147439	51.620	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	436891	52.874	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56573	53.046	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	135354	45.976	ug/l	98
94) Hexachlorobutadiene	15.506	225	70423	48.733	ug/l	96
95) Naphthalene	15.647	128	433949	43.820	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	149570	45.426	ug/l	97

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

