

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078245.D
 Acq On : 15 Jun 2023 21:58
 Operator : JC\MD
 Sample : 03231-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-4S-06122023MSD

Quant Time: Jun 16 06:14:50 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 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	375246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	710555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	614435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	241149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	265834	53.133	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.260%			
35) Dibromofluoromethane	8.177	113	226506	50.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.571	98	853998	49.307	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.853	95	267553	49.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	180314	42.509	ug/l	98
3) Chloromethane	2.371	50	200559	50.268	ug/l	98
4) Vinyl Chloride	2.518	62	266467	47.974	ug/l	96
5) Bromomethane	2.953	94	195375	46.544	ug/l	100
6) Chloroethane	3.124	64	189866	50.144	ug/l	99
7) Trichlorofluoromethane	3.506	101	348676	46.292	ug/l	100
8) Diethyl Ether	3.971	74	124144	46.908	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.389	101	184223	46.344	ug/l	98
10) Methyl Iodide	4.600	142	272346	48.446	ug/l	98
11) Tert butyl alcohol	5.542	59	160406	232.191	ug/l	99
12) 1,1-Dichloroethene	4.353	96	186581	45.533	ug/l	93
13) Acrolein	4.189	56	205709	270.176	ug/l	96
14) Allyl chloride	5.030	41	240019	47.984	ug/l	93
15) Acrylonitrile	5.730	53	478337	268.566	ug/l	99
16) Acetone	4.442	43	372792	258.866	ug/l	94
17) Carbon Disulfide	4.724	76	456844	43.314	ug/l	99
18) Methyl Acetate	5.036	43	312841	47.184	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	657602	50.298	ug/l	96
20) Methylene Chloride	5.289	84	227071	47.715	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	204739	46.325	ug/l	89
22) Diisopropyl ether	6.683	45	620161	52.708	ug/l	95
23) Vinyl Acetate	6.612	43	1684117	240.787	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	396794	51.122	ug/l	98
25) 2-Butanone	7.494	43	588467	265.726	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	254484	44.404	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	248782	47.191	ug/l	95
28) Bromochloromethane	7.818	49	196197	55.054	ug/l	91
29) Tetrahydrofuran	7.847	42	388856	262.661	ug/l	85
30) Chloroform	7.971	83	433448	51.860	ug/l	93
31) Cyclohexane	8.265	56	301465	46.972	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	379678	51.743	ug/l	95
36) 1,1-Dichloropropene	8.383	75	303108	47.035	ug/l	96
37) Ethyl Acetate	7.571	43	239779	47.629	ug/l #	93
38) Carbon Tetrachloride	8.371	117	327844	48.180	ug/l	98
39) Methylcyclohexane	9.606	83	278034	41.632	ug/l	90
40) Benzene	8.612	78	931467	48.416	ug/l	99

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41) Methacrylonitrile	7.788	41	129948	47.622	ug/l	92
42) 1,2-Dichloroethane	8.677	62	325120	49.287	ug/l	97
43) Isopropyl Acetate	8.694	43	429662	44.627	ug/l	94
44) Trichloroethene	9.359	130	686220	135.061	ug/l	100
45) 1,2-Dichloropropane	9.629	63	246796	51.559	ug/l	99
46) Dibromomethane	9.718	93	170608	48.390	ug/l	97
47) Bromodichloromethane	9.894	83	341860	52.199	ug/l	98
48) Methyl methacrylate	9.688	41	209335	51.811	ug/l	89
49) 1,4-Dioxane	9.700	88	82657	973.349	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	1330780	262.485	ug/l	92
52) Toluene	10.635	92	587569	48.372	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	337535	49.488	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	359994	47.747	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	235908	51.339	ug/l	92
56) Ethyl methacrylate	10.882	69	342075	51.126	ug/l	91
57) 1,3-Dichloropropane	11.171	76	396867	51.167	ug/l	100
59) 2-Hexanone	11.200	43	937395	265.540	ug/l	92
60) Dibromochloromethane	11.365	129	256999	51.112	ug/l	99
61) 1,2-Dibromoethane	11.476	107	237716	49.296	ug/l	99
64) Tetrachloroethene	11.112	164	183537	44.775	ug/l	94
65) Chlorobenzene	11.900	112	624126	47.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	238687	49.319	ug/l	98
67) Ethyl Benzene	11.970	91	1122240	49.428	ug/l	96
68) m/p-Xylenes	12.076	106	842102	97.321	ug/l	99
69) o-Xylene	12.406	106	419117	49.324	ug/l	98
70) Styrene	12.418	104	664680	49.687	ug/l	97
71) Bromoform	12.582	173	158917	50.882	ug/l #	99
73) Isopropylbenzene	12.700	105	1016857	44.592	ug/l	99
74) N-amyl acetate	12.500	43	329633	43.896	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	337890	54.072	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	270129m	47.384	ug/l	
77) Bromobenzene	12.988	156	233005	44.016	ug/l	99
78) n-propylbenzene	13.041	91	1136538	45.873	ug/l	99
79) 2-Chlorotoluene	13.129	91	719231	44.972	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	823653	44.612	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	89290	48.120	ug/l	93
82) 4-Chlorotoluene	13.229	91	688954	46.158	ug/l	99
83) tert-Butylbenzene	13.441	119	695485	43.336	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	822859	45.971	ug/l	99
85) sec-Butylbenzene	13.623	105	877195	41.760	ug/l	99
86) p-Isopropyltoluene	13.735	119	741325	43.490	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	388501	43.387	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	381350	44.136	ug/l	100
89) n-Butylbenzene	14.059	91	548637	40.806	ug/l	98
90) Hexachloroethane	14.341	117	134298	44.395	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	398285	45.512	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	53541	47.401	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	128755	41.294	ug/l	97
94) Hexachlorobutadiene	15.506	225	67175	43.610	ug/l	97
95) Naphthalene	15.647	128	423344	40.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	144900	41.552	ug/l	99

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

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