

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076645.D
 Acq On : 13 Feb 2023 22:20
 Operator : JC\MD
 Sample : 01532-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWBR-02-160-180-021023MSD

Quant Time: Feb 14 05:30:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	331252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	565569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	526768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	262269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	216835	47.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.800%		
35) Dibromofluoromethane	8.178	113	180086	48.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.240%		
50) Toluene-d8	10.572	98	703964	50.894	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.854	95	243758	53.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	186197	52.937	ug/l	95
3) Chloromethane	2.378	50	217802	47.462	ug/l	96
4) Vinyl Chloride	2.525	62	224675	49.746	ug/l	99
5) Bromomethane	2.954	94	132444	48.398	ug/l	95
6) Chloroethane	3.125	64	145739	51.060	ug/l	99
7) Trichlorofluoromethane	3.507	101	292803	47.648	ug/l	93
8) Diethyl Ether	3.972	74	120085	50.713	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	172822	47.863	ug/l	97
10) Methyl Iodide	4.601	142	245063	54.959	ug/l	97
11) Tert butyl alcohol	5.537	59	141051	233.618	ug/l	97
12) 1,1-Dichloroethene	4.354	96	170140	49.761	ug/l	96
13) Acrolein	4.190	56	232370	256.355	ug/l	98
14) Allyl chloride	5.043	41	292154	49.314	ug/l	96
15) Acrylonitrile	5.731	53	533283	248.881	ug/l	99
16) Acetone	4.437	43	418729	204.938	ug/l	95
17) Carbon Disulfide	4.725	76	453814	50.270	ug/l	100
18) Methyl Acetate	5.037	43	322933	48.421	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	606729	52.634	ug/l	99
20) Methylene Chloride	5.284	84	205913	48.086	ug/l	97
21) trans-1,2-Dichloroethene	5.790	96	191171	49.670	ug/l	84
22) Diisopropyl ether	6.684	45	727590	52.362	ug/l	99
23) Vinyl Acetate	6.613	43	2341108	284.758	ug/l	99
24) 1,1-Dichloroethane	6.584	63	374768	49.212	ug/l	95
25) 2-Butanone	7.489	43	727457	241.370	ug/l	99
26) 2,2-Dichloropropane	7.501	77	246779	44.927	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	226195	49.550	ug/l	98
28) Bromochloromethane	7.819	49	172975	47.724	ug/l	95
29) Tetrahydrofuran	7.842	42	496252	252.018	ug/l	100
30) Chloroform	7.972	83	374855	49.266	ug/l	99
31) Cyclohexane	8.266	56	340151	47.407	ug/l	93
32) 1,1,1-Trichloroethane	8.172	97	320710	50.131	ug/l	98
36) 1,1-Dichloropropene	8.378	75	277449	51.846	ug/l	98
37) Ethyl Acetate	7.572	43	292632	51.974	ug/l	98
38) Carbon Tetrachloride	8.372	117	285522	52.890	ug/l	93
39) Methylcyclohexane	9.601	83	334090	54.923	ug/l	96
40) Benzene	8.613	78	866326	52.716	ug/l	100

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41) Methacrylonitrile	7.784	41	174383	53.463	ug/l	98
42) 1,2-Dichloroethane	8.678	62	291610	50.878	ug/l	99
43) Isopropyl Acetate	8.695	43	497860	54.340	ug/l	99
44) Trichloroethene	9.354	130	207511	53.434	ug/l	93
45) 1,2-Dichloropropane	9.625	63	224806	51.676	ug/l	98
46) Dibromomethane	9.713	93	145306	52.246	ug/l	99
47) Bromodichloromethane	9.889	83	295354	52.969	ug/l	97
48) Methyl methacrylate	9.683	41	237364	54.597	ug/l	99
49) 1,4-Dioxane	9.701	88	78964	1049.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1561388	267.854	ug/l	99
52) Toluene	10.636	92	540235	54.449	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	303468	56.386	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	328980	52.993	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	211101	52.324	ug/l	97
56) Ethyl methacrylate	10.877	69	326612	57.514	ug/l	96
57) 1,3-Dichloropropane	11.166	76	364895	52.644	ug/l	100
59) 2-Hexanone	11.195	43	1116832	265.717	ug/l	99
60) Dibromochloromethane	11.360	129	224209	52.730	ug/l	97
61) 1,2-Dibromoethane	11.471	107	211811	52.450	ug/l	99
64) Tetrachloroethene	11.107	164	165639	49.896	ug/l	96
65) Chlorobenzene	11.895	112	576519	51.642	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	207592	51.195	ug/l	98
67) Ethyl Benzene	11.966	91	1038942	54.626	ug/l	99
68) m/p-Xylenes	12.071	106	804545	109.745	ug/l	97
69) o-Xylene	12.401	106	403281	56.404	ug/l	97
70) Styrene	12.413	104	663930	57.424	ug/l	99
71) Bromoform	12.583	173	161164	54.184	ug/l #	100
73) Isopropylbenzene	12.701	105	1044662	54.343	ug/l	99
74) N-amyl acetate	12.495	43	455452	52.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	327516	47.068	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	239688m	45.204	ug/l	
77) Bromobenzene	12.983	156	245515	51.190	ug/l	98
78) n-propylbenzene	13.036	91	1226742	54.345	ug/l	99
79) 2-Chlorotoluene	13.130	91	715235	51.748	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	883728	55.626	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	103924	57.085	ug/l #	82
82) 4-Chlorotoluene	13.130	91	715235	51.748	ug/l	99
83) tert-Butylbenzene	13.442	119	777949	54.130	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	889947	56.208	ug/l	99
85) sec-Butylbenzene	13.618	105	1124282	56.031	ug/l	99
86) p-Isopropyltoluene	13.730	119	923689	57.648	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	468520	51.677	ug/l	100
88) 1,4-Dichlorobenzene	13.813	146	469716	52.027	ug/l	99
89) n-Butylbenzene	14.060	91	789025	56.619	ug/l	100
90) Hexachloroethane	14.336	117	168285	50.161	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	480763	51.725	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	62038	46.019	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	260053	56.090	ug/l	98
94) Hexachlorobutadiene	15.507	225	111001	48.849	ug/l	98
95) Naphthalene	15.642	128	842412	59.876	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	255861	56.962	ug/l	98

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

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