

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078434.D
 Acq On : 28 Jun 2023 12:03
 Operator : JC\MD
 Sample : VN0628WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS01

Quant Time: Jun 29 05:17:41 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 06/29/2023
 Supervised By : Mahesh Dadoda 06/29/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	409260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	739905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	638641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	236974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	283422	51.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.880%			
35) Dibromofluoromethane	8.177	113	247953	53.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.000%			
50) Toluene-d8	10.571	98	882629	48.939	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.853	95	276019	49.230	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	72162	15.598	ug/l	99
3) Chloromethane	2.371	50	92838	20.245	ug/l	95
4) Vinyl Chloride	2.524	62	126456	20.875	ug/l	97
5) Bromomethane	2.965	94	112043	24.473	ug/l	99
6) Chloroethane	3.130	64	109921	26.618	ug/l	92
7) Trichlorofluoromethane	3.500	101	168194	20.474	ug/l	99
8) Diethyl Ether	3.977	74	55788	19.327	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	88542	20.423	ug/l	98
10) Methyl Iodide	4.594	142	115364	18.816	ug/l	92
11) Tert butyl alcohol	5.536	59	79214	105.134	ug/l	100
12) 1,1-Dichloroethene	4.347	96	81428	18.220	ug/l	85
13) Acrolein	4.194	56	70383	84.757	ug/l	99
14) Allyl chloride	5.036	41	111331	20.407	ug/l	92
15) Acrylonitrile	5.730	53	207953	107.053	ug/l	97
16) Acetone	4.442	43	172259	109.675	ug/l	98
17) Carbon Disulfide	4.718	76	204790	17.803	ug/l	99
18) Methyl Acetate	5.036	43	149061	20.614	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	284828	19.975	ug/l	99
20) Methylene Chloride	5.289	84	101890	19.631	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	93062	19.307	ug/l	93
22) Diisopropyl ether	6.677	45	278432	21.697	ug/l #	93
23) Vinyl Acetate	6.618	43	918056m	120.350	ug/l	
24) 1,1-Dichloroethane	6.577	63	180038	21.268	ug/l	99
25) 2-Butanone	7.494	43	266081	110.165	ug/l	92
26) 2,2-Dichloropropane	7.500	77	154240	24.676	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	113845	19.800	ug/l	94
28) Bromochloromethane	7.830	49	82390	21.198	ug/l	92
29) Tetrahydrofuran	7.847	42	168373	104.279	ug/l	87
30) Chloroform	7.971	83	192610	21.130	ug/l	95
31) Cyclohexane	8.265	56	135777	19.398	ug/l	90
32) 1,1,1-Trichloroethane	8.182	97	169867	21.226	ug/l	99
36) 1,1-Dichloropropene	8.382	75	136205	20.297	ug/l	96
37) Ethyl Acetate	7.577	43	111796	21.326	ug/l	96
38) Carbon Tetrachloride	8.365	117	149717	21.130	ug/l	93
39) Methylcyclohexane	9.612	83	115279	16.577	ug/l	92
40) Benzene	8.612	78	418205	20.875	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	56479	19.877	ug/l	94
42) 1,2-Dichloroethane	8.677	62	144168	20.988	ug/l	98
43) Isopropyl Acetate	8.694	43	195631	19.513	ug/l #	95
44) Trichloroethene	9.359	130	108977	20.598	ug/l	94
45) 1,2-Dichloropropane	9.629	63	106936	21.454	ug/l	98
46) Dibromomethane	9.718	93	76372	20.802	ug/l	96
47) Bromodichloromethane	9.894	83	149426	21.911	ug/l	95
48) Methyl methacrylate	9.688	41	87425	20.779	ug/l	89
49) 1,4-Dioxane	9.706	88	37906	428.666	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	561314	106.323	ug/l	93
52) Toluene	10.635	92	257050	20.322	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	152584	21.484	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	167579	21.345	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	105998	22.153	ug/l	95
56) Ethyl methacrylate	10.882	69	140821	20.212	ug/l	90
57) 1,3-Dichloropropane	11.170	76	178175	22.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	251100	89.216	ug/l	93
59) 2-Hexanone	11.200	43	394864	107.418	ug/l	92
60) Dibromochloromethane	11.365	129	114206	21.812	ug/l	99
61) 1,2-Dibromoethane	11.476	107	107275	21.364	ug/l	97
64) Tetrachloroethene	11.112	164	90984	21.355	ug/l	94
65) Chlorobenzene	11.900	112	270560	19.782	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	105201	20.913	ug/l	98
67) Ethyl Benzene	11.970	91	471199	19.967	ug/l	99
68) m/p-Xylenes	12.076	106	351340	39.065	ug/l	96
69) o-Xylene	12.406	106	178567	20.218	ug/l	100
70) Styrene	12.417	104	272344	19.587	ug/l	97
71) Bromoform	12.582	173	69565	21.429	ug/l #	97
73) Isopropylbenzene	12.700	105	433301	19.336	ug/l	100
74) N-amyl acetate	12.500	43	143505	19.447	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	147008	22.506	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	110450m	19.716	ug/l	
77) Bromobenzene	12.982	156	105512	20.283	ug/l	91
78) n-propylbenzene	13.041	91	461866	18.970	ug/l	99
79) 2-Chlorotoluene	13.129	91	303926	19.339	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	354728	19.552	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	39124	21.456	ug/l	92
82) 4-Chlorotoluene	13.229	91	282070	19.231	ug/l	100
83) tert-Butylbenzene	13.441	119	288014	18.262	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	342526	19.473	ug/l	98
85) sec-Butylbenzene	13.623	105	364702	17.668	ug/l	99
86) p-Isopropyltoluene	13.735	119	299200	17.862	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	163720	18.606	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	163456	19.251	ug/l	99
89) n-Butylbenzene	14.064	91	210562	15.937	ug/l	95
90) Hexachloroethane	14.341	117	54925	18.477	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	162487	18.895	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	21278	19.170	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	41190	13.443	ug/l	99
94) Hexachlorobutadiene	15.506	225	29890	18.198	ug/l	92
95) Naphthalene	15.647	128	123916	12.023	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	46661	13.616	ug/l	92

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

