

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078196.D
 Acq On : 14 Jun 2023 11:20
 Operator : JC\MD
 Sample : VN0614WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2023
 Supervised By : Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 02:40:37 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

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	383806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	681245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	585345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	214237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	258327	50.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	100.960%		
35) Dibromofluoromethane	8.177	113	211512	49.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.200%		
50) Toluene-d8	10.570	98	796786	47.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.960%		
62) 4-Bromofluorobenzene	12.853	95	246535	47.757	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	65132	15.012	ug/l	100
3) Chloromethane	2.371	50	76087	17.454	ug/l	97
4) Vinyl Chloride	2.524	62	94757	16.679	ug/l	97
5) Bromomethane	2.965	94	72093	16.792	ug/l	98
6) Chloroethane	3.124	64	69381	17.915	ug/l	90
7) Trichlorofluoromethane	3.506	101	127349	16.530	ug/l	98
8) Diethyl Ether	3.971	74	46627	17.225	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	73917	18.180	ug/l	99
10) Methyl Iodide	4.606	142	96834	16.841	ug/l	96
11) Tert butyl alcohol	5.530	59	69381	98.191	ug/l	98
12) 1,1-Dichloroethene	4.347	96	69198	16.510	ug/l	95
13) Acrolein	4.194	56	103867	133.375	ug/l	98
14) Allyl chloride	5.036	41	90252	17.641	ug/l	90
15) Acrylonitrile	5.730	53	179786	98.691	ug/l	99
16) Acetone	4.436	43	147314	100.013	ug/l	94
17) Carbon Disulfide	4.724	76	174414	16.168	ug/l	99
18) Methyl Acetate	5.036	43	129353	19.075	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	249533	18.660	ug/l	97
20) Methylene Chloride	5.288	84	85044	17.472	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	75470	16.695	ug/l	96
22) Diisopropyl ether	6.683	45	232736	19.339	ug/l #	90
23) Vinyl Acetate	6.612	43	691193	96.620	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	145847	18.371	ug/l	98
25) 2-Butanone	7.494	43	230719	101.859	ug/l #	81
26) 2,2-Dichloropropane	7.506	77	119993	20.470	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	93705	17.378	ug/l	93
28) Bromochloromethane	7.824	49	76340	20.944	ug/l	90
29) Tetrahydrofuran	7.853	42	144063	95.140	ug/l #	85
30) Chloroform	7.977	83	162408	18.998	ug/l	87
31) Cyclohexane	8.265	56	112377	17.119	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	135870	18.104	ug/l	97
36) 1,1-Dichloropropene	8.382	75	111857	18.104	ug/l	97
37) Ethyl Acetate	7.571	43	94949	19.672	ug/l	94
38) Carbon Tetrachloride	8.371	117	119498	18.317	ug/l	96
39) Methylcyclohexane	9.612	83	102463	16.002	ug/l	95
40) Benzene	8.612	78	341568	18.518	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	54260	20.740	ug/l	89
42) 1,2-Dichloroethane	8.677	62	123316	19.499	ug/l	96
43) Isopropyl Acetate	8.694	43	163652	17.729	ug/l	95
44) Trichloroethene	9.359	130	86666	17.791	ug/l	91
45) 1,2-Dichloropropane	9.629	63	89051	19.404	ug/l	90
46) Dibromomethane	9.712	93	62068	18.362	ug/l	92
47) Bromodichloromethane	9.894	83	123501	19.669	ug/l	99
48) Methyl methacrylate	9.688	41	73845	19.063	ug/l	91
49) 1,4-Dioxane	9.694	88	30648	376.431	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	487422	100.276	ug/l	93
52) Toluene	10.635	92	213578	18.339	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	125070	19.126	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	139608	19.313	ug/l	92
55) 1,1,2-Trichloroethane	11.023	97	87775	19.924	ug/l	99
56) Ethyl methacrylate	10.876	69	123363	19.231	ug/l	92
57) 1,3-Dichloropropane	11.170	76	146430	19.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	260258	100.432	ug/l	93
59) 2-Hexanone	11.200	43	345132	101.973	ug/l	90
60) Dibromochloromethane	11.365	129	95453	19.800	ug/l	98
61) 1,2-Dibromoethane	11.470	107	88559	19.155	ug/l	98
64) Tetrachloroethene	11.106	164	75170	19.250	ug/l	97
65) Chlorobenzene	11.900	112	228632	18.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	87754	19.033	ug/l	100
67) Ethyl Benzene	11.970	91	393159	18.177	ug/l	96
68) m/p-Xylenes	12.076	106	293864	35.649	ug/l	98
69) o-Xylene	12.406	106	143886	17.775	ug/l	96
70) Styrene	12.417	104	232153	18.217	ug/l	98
71) Bromoform	12.582	173	58136	19.539	ug/l #	100
73) Isopropylbenzene	12.700	105	356769	17.610	ug/l	99
74) N-amyl acetate	12.500	43	120547	18.069	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	126854	21.365	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	96410m	19.036	ug/l	
77) Bromobenzene	12.982	156	84006	17.863	ug/l	99
78) n-propylbenzene	13.041	91	397887	18.077	ug/l	99
79) 2-Chlorotoluene	13.129	91	251284	17.686	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	293253	17.879	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	32950	19.988	ug/l	90
82) 4-Chlorotoluene	13.229	91	231928	17.490	ug/l	98
83) tert-Butylbenzene	13.447	119	243995	17.113	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	282918	17.791	ug/l	96
85) sec-Butylbenzene	13.623	105	308329	16.522	ug/l	99
86) p-Isopropyltoluene	13.735	119	250984	16.574	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	134517	16.910	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	131511	17.133	ug/l	99
89) n-Butylbenzene	14.059	91	181651	15.208	ug/l	98
90) Hexachloroethane	14.341	117	45334	16.869	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	141789	18.238	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	19403	19.336	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	38729	13.981	ug/l	94
94) Hexachlorobutadiene	15.511	225	23269	15.277	ug/l	97
95) Naphthalene	15.647	128	127395	13.672	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	46580	15.035	ug/l	99

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

