

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078137.D
 Acq On : 09 Jun 2023 11:26
 Operator : JC\MD
 Sample : VN0609WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/12/2023
 Supervised By : Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 23:05:07 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	8.235	168	392580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	708239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	625758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	282842	54.036	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.080%			
35) Dibromofluoromethane	8.177	113	230420	51.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	10.571	98	877379	50.823	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.853	95	272129	50.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	75977	17.121	ug/l	98
3) Chloromethane	2.371	50	83896	18.963	ug/l	97
4) Vinyl Chloride	2.518	62	103155	17.752	ug/l	94
5) Bromomethane	2.965	94	82786	18.851	ug/l	93
6) Chloroethane	3.130	64	74640	18.842	ug/l	93
7) Trichlorofluoromethane	3.506	101	140846	17.874	ug/l	95
8) Diethyl Ether	3.971	74	53744	19.410	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.383	101	77345	18.598	ug/l	98
10) Methyl Iodide	4.600	142	106002	18.024	ug/l	96
11) Tert butyl alcohol	5.530	59	68700	95.054	ug/l	99
12) 1,1-Dichloroethene	4.353	96	76985	17.958	ug/l	96
13) Acrolein	4.189	56	78504	98.554	ug/l	99
14) Allyl chloride	5.036	41	99527	19.019	ug/l	90
15) Acrylonitrile	5.730	53	190598	102.288	ug/l	99
16) Acetone	4.442	43	160200	106.331	ug/l	97
17) Carbon Disulfide	4.730	76	185269	16.790	ug/l	99
18) Methyl Acetate	5.036	43	136782	19.719	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	265990	19.447	ug/l	100
20) Methylene Chloride	5.289	84	93990	18.878	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	83452	18.048	ug/l	96
22) Diisopropyl ether	6.683	45	250027	20.312	ug/l #	93
23) Vinyl Acetate	6.612	43	732854	100.154	ug/l	93
24) 1,1-Dichloroethane	6.577	63	155333	19.129	ug/l	99
25) 2-Butanone	7.488	43	235673	101.721	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	129851	21.657	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	98918	17.935	ug/l	91
28) Bromochloromethane	7.824	49	83053	22.276	ug/l	90
29) Tetrahydrofuran	7.847	42	150393	97.101	ug/l	86
30) Chloroform	7.971	83	171137	19.572	ug/l	92
31) Cyclohexane	8.259	56	127022	18.918	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	147329	19.192	ug/l	96
36) 1,1-Dichloropropene	8.377	75	122093	19.008	ug/l	97
37) Ethyl Acetate	7.571	43	104149	20.756	ug/l	94
38) Carbon Tetrachloride	8.371	117	129301	19.064	ug/l	95
39) Methylcyclohexane	9.606	83	122830	18.452	ug/l	92
40) Benzene	8.612	78	372474	19.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	50997	18.750	ug/l	94
42) 1,2-Dichloroethane	8.677	62	137402	20.898	ug/l	97
43) Isopropyl Acetate	8.694	43	174547	18.189	ug/l	94
44) Trichloroethene	9.359	130	92862	18.337	ug/l	91
45) 1,2-Dichloropropane	9.630	63	94798	19.869	ug/l	98
46) Dibromomethane	9.712	93	68897	19.605	ug/l	98
47) Bromodichloromethane	9.894	83	132285	20.265	ug/l	94
48) Methyl methacrylate	9.688	41	76594	19.019	ug/l	92
49) 1,4-Dioxane	9.700	88	32988	389.729	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	506304	100.191	ug/l	93
52) Toluene	10.635	92	235651	19.463	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	137966	20.294	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	151362	20.141	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	93253	20.360	ug/l	95
56) Ethyl methacrylate	10.876	69	132122	19.811	ug/l #	88
57) 1,3-Dichloropropane	11.171	76	158343	20.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	246350	91.442	ug/l	94
59) 2-Hexanone	11.200	43	354099	100.635	ug/l	93
60) Dibromochloromethane	11.365	129	99264	19.806	ug/l	100
61) 1,2-Dibromoethane	11.476	107	93507	19.454	ug/l	98
64) Tetrachloroethene	11.106	164	81234	19.459	ug/l	93
65) Chlorobenzene	11.894	112	245328	18.307	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	93066	18.882	ug/l	98
67) Ethyl Benzene	11.971	91	429659	18.581	ug/l	100
68) m/p-Xylenes	12.076	106	329714	37.415	ug/l	98
69) o-Xylene	12.406	106	162907	18.825	ug/l	97
70) Styrene	12.418	104	252542	18.537	ug/l	97
71) Bromoform	12.582	173	59227	18.620	ug/l #	96
73) Isopropylbenzene	12.700	105	395969	17.826	ug/l	98
74) N-amyl acetate	12.500	43	131109	17.924	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	129283	19.677	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	103963m	18.722	ug/l	
77) Bromobenzene	12.988	156	88465	17.156	ug/l	93
78) n-propylbenzene	13.041	91	449261	18.616	ug/l	100
79) 2-Chlorotoluene	13.129	91	279699	17.955	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	328273	18.254	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	35331	19.548	ug/l	90
82) 4-Chlorotoluene	13.229	91	269323	18.524	ug/l	100
83) tert-Butylbenzene	13.441	119	275032	17.594	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	328654	18.850	ug/l	99
85) sec-Butylbenzene	13.623	105	365321	17.855	ug/l	99
86) p-Isopropyltoluene	13.735	119	291923	17.582	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	153169	17.561	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	151212	17.967	ug/l	98
89) n-Butylbenzene	14.065	91	223421	17.060	ug/l	98
90) Hexachloroethane	14.341	117	52194	17.713	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	151426	17.764	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	20257	18.412	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	49536	16.310	ug/l	97
94) Hexachlorobutadiene	15.511	225	28054	17.081	ug/l	97
95) Naphthalene	15.647	128	150824	14.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	53704	15.810	ug/l	95

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

