

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078136.D
 Acq On : 09 Jun 2023 10:50
 Operator : JC\MD
 Sample : VN0609WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 23:04:14 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	413139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	660141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	292575	53.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.220%			
35) Dibromofluoromethane	8.177	113	244440	51.612	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.220%			
50) Toluene-d8	10.570	98	940630	51.518	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.853	95	282492	49.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	79605	17.046	ug/l	97
3) Chloromethane	2.371	50	91982	19.835	ug/l	98
4) Vinyl Chloride	2.524	62	115761	18.930	ug/l	98
5) Bromomethane	2.959	94	90899	19.669	ug/l	98
6) Chloroethane	3.130	64	79486	19.067	ug/l	95
7) Trichlorofluoromethane	3.506	101	151601	18.281	ug/l	96
8) Diethyl Ether	3.971	74	53299	18.292	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	80504	18.395	ug/l	95
10) Methyl Iodide	4.600	142	109429	17.680	ug/l	96
11) Tert butyl alcohol	5.536	59	72830	95.754	ug/l	99
12) 1,1-Dichloroethene	4.353	96	83034	18.405	ug/l	98
13) Acrolein	4.183	56	79853	95.259	ug/l	94
14) Allyl chloride	5.036	41	112847	20.491	ug/l	95
15) Acrylonitrile	5.730	53	192425	98.129	ug/l	98
16) Acetone	4.441	43	171880	108.406	ug/l	98
17) Carbon Disulfide	4.724	76	200872	17.298	ug/l	97
18) Methyl Acetate	5.041	43	138272	18.942	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	273340	18.990	ug/l	99
20) Methylene Chloride	5.288	84	96479	18.414	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	86716	17.821	ug/l	90
22) Diisopropyl ether	6.683	45	262176	20.239	ug/l #	91
23) Vinyl Acetate	6.618	43	746236	96.907	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	167195	19.565	ug/l	97
25) 2-Butanone	7.494	43	249716	102.419	ug/l #	86
26) 2,2-Dichloropropane	7.506	77	139265	22.071	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	106676	18.379	ug/l	94
28) Bromochloromethane	7.824	49	85508	21.793	ug/l	89
29) Tetrahydrofuran	7.847	42	155414	95.349	ug/l	86
30) Chloroform	7.971	83	180957	19.665	ug/l	95
31) Cyclohexane	8.259	56	140246	19.848	ug/l	86
32) 1,1,1-Trichloroethane	8.177	97	158100	19.570	ug/l	98
36) 1,1-Dichloropropene	8.377	75	129725	19.096	ug/l	96
37) Ethyl Acetate	7.565	43	106877	20.139	ug/l #	95
38) Carbon Tetrachloride	8.365	117	137074	19.109	ug/l	94
39) Methylcyclohexane	9.606	83	128262	18.219	ug/l	90
40) Benzene	8.612	78	394834	19.468	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	58160	20.219	ug/l	91
42) 1,2-Dichloroethane	8.677	62	136256	19.595	ug/l	96
43) Isopropyl Acetate	8.694	43	176181	17.359	ug/l #	94
44) Trichloroethene	9.359	130	102853	19.203	ug/l	89
45) 1,2-Dichloropropane	9.629	63	98267	19.474	ug/l	96
46) Dibromomethane	9.718	93	68947	18.551	ug/l	95
47) Bromodichloromethane	9.894	83	139148	20.155	ug/l	93
48) Methyl methacrylate	9.688	41	80959	19.008	ug/l	91
49) 1,4-Dioxane	9.700	88	33599	375.324	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	532612	99.655	ug/l	92
52) Toluene	10.635	92	248712	19.423	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	142076	19.760	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	157201	19.779	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	99611	20.564	ug/l	96
56) Ethyl methacrylate	10.882	69	137993	19.565	ug/l	92
57) 1,3-Dichloropropane	11.170	76	164474	20.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	238889	83.842	ug/l	93
59) 2-Hexanone	11.200	43	369112	99.187	ug/l	92
60) Dibromochloromethane	11.365	129	103351	19.498	ug/l	99
61) 1,2-Dibromoethane	11.476	107	96695	19.022	ug/l	99
64) Tetrachloroethene	11.106	164	85385	19.388	ug/l	96
65) Chlorobenzene	11.900	112	263067	18.608	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	98247	18.895	ug/l	98
67) Ethyl Benzene	11.970	91	459553	18.839	ug/l	95
68) m/p-Xylenes	12.076	106	341586	36.744	ug/l	95
69) o-Xylene	12.406	106	173715	19.028	ug/l	99
70) Styrene	12.417	104	267306	18.599	ug/l	97
71) Bromoform	12.582	173	62343	18.579	ug/l #	100
73) Isopropylbenzene	12.700	105	427381	18.636	ug/l	100
74) N-amyl acetate	12.500	43	135717	17.971	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	134451	19.839	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	107866m	18.814	ug/l	
77) Bromobenzene	12.982	156	96621	18.149	ug/l	99
78) n-propylbenzene	13.041	91	475642	19.089	ug/l	99
79) 2-Chlorotoluene	13.129	91	299026	18.592	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	359410	19.357	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	34921	18.713	ug/l #	75
82) 4-Chlorotoluene	13.223	91	278571	18.558	ug/l	97
83) tert-Butylbenzene	13.447	119	295623	18.316	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	349674	19.425	ug/l	98
85) sec-Butylbenzene	13.623	105	383850	18.170	ug/l	99
86) p-Isopropyltoluene	13.735	119	316315	18.452	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	162989	18.099	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	154512	17.782	ug/l	98
89) n-Butylbenzene	14.059	91	237935	17.597	ug/l	98
90) Hexachloroethane	14.335	117	55099	18.111	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	159783	18.155	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	19712	17.353	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	47192	15.050	ug/l	98
94) Hexachlorobutadiene	15.505	225	29892	17.718	ug/l	97
95) Naphthalene	15.647	128	149820	14.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	54205	15.456	ug/l	96

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

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