

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060823\
 Data File : VN078120.D
 Acq On : 08 Jun 2023 11:09
 Operator : JC\MD
 Sample : VN0608WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2023
 Supervised By : Mahesh Dadoda 06/09/2023

Quant Time: Jun 09 01:23:21 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	8.230	168	402887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	718823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	619118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	294769	54.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.740%			
35) Dibromofluoromethane	8.171	113	242240	53.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	10.571	98	927505	52.935	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.853	95	290692	53.367	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	78343	17.202	ug/l	99
3) Chloromethane	2.371	50	83770	18.399	ug/l	97
4) Vinyl Chloride	2.524	62	102597	17.204	ug/l	98
5) Bromomethane	2.959	94	84076	18.655	ug/l	93
6) Chloroethane	3.130	64	72438	17.819	ug/l	100
7) Trichlorofluoromethane	3.501	101	140268	17.345	ug/l	99
8) Diethyl Ether	3.965	74	49584	17.450	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.383	101	77276	18.106	ug/l	96
10) Methyl Iodide	4.601	142	100740	16.691	ug/l	94
11) Tert butyl alcohol	5.536	59	69011	93.042	ug/l	99
12) 1,1-Dichloroethene	4.353	96	73777	16.769	ug/l	98
13) Acrolein	4.189	56	85592	104.703	ug/l	96
14) Allyl chloride	5.030	41	107539	20.024	ug/l	96
15) Acrylonitrile	5.730	53	181569	94.949	ug/l	99
16) Acetone	4.442	43	151955	98.278	ug/l	96
17) Carbon Disulfide	4.718	76	189020	16.692	ug/l	96
18) Methyl Acetate	5.036	43	131516	18.475	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	252059	17.957	ug/l	97
20) Methylene Chloride	5.277	84	91384	17.885	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	81673	17.212	ug/l	91
22) Diisopropyl ether	6.683	45	241820	19.142	ug/l	93
23) Vinyl Acetate	6.612	43	712449	94.874	ug/l	93
24) 1,1-Dichloroethane	6.577	63	151578	18.189	ug/l	98
25) 2-Butanone	7.494	43	229594	96.562	ug/l	91
26) 2,2-Dichloropropane	7.500	77	128322	20.854	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	101963	18.014	ug/l	94
28) Bromochloromethane	7.818	49	84183	22.001	ug/l	91
29) Tetrahydrofuran	7.847	42	149280	93.916	ug/l	85
30) Chloroform	7.971	83	166869	18.595	ug/l	94
31) Cyclohexane	8.259	56	127177	18.456	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	142423	18.078	ug/l	95
36) 1,1-Dichloropropene	8.377	75	121628	18.657	ug/l	97
37) Ethyl Acetate	7.565	43	101648	19.959	ug/l #	94
38) Carbon Tetrachloride	8.365	117	124282	18.054	ug/l	93
39) Methylcyclohexane	9.606	83	124534	18.433	ug/l	94
40) Benzene	8.612	78	361184	18.558	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	53731	19.464	ug/l	90
42) 1,2-Dichloroethane	8.677	62	131744	19.742	ug/l	96
43) Isopropyl Acetate	8.694	43	164397	16.879	ug/l	97
44) Trichloroethene	9.359	130	91827	17.865	ug/l	99
45) 1,2-Dichloropropane	9.630	63	93615	19.332	ug/l	97
46) Dibromomethane	9.712	93	67070	18.804	ug/l	96
47) Bromodichloromethane	9.894	83	131577	19.860	ug/l	94
48) Methyl methacrylate	9.688	41	75412	18.450	ug/l	90
49) 1,4-Dioxane	9.700	88	33855	394.083	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	496671	96.837	ug/l	92
52) Toluene	10.635	92	233188	18.976	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	132055	19.139	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	146343	19.187	ug/l #	91
55) 1,1,2-Trichloroethane	11.024	97	91900	19.770	ug/l	97
56) Ethyl methacrylate	10.882	69	130548	19.287	ug/l	92
57) 1,3-Dichloropropane	11.171	76	150271	19.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	276570	101.148	ug/l	92
59) 2-Hexanone	11.200	43	352993	98.844	ug/l	89
60) Dibromochloromethane	11.365	129	96508	18.973	ug/l	97
61) 1,2-Dibromoethane	11.477	107	93939	19.256	ug/l	96
64) Tetrachloroethene	11.106	164	83767	20.281	ug/l	93
65) Chlorobenzene	11.894	112	244189	18.417	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	91895	18.844	ug/l	97
67) Ethyl Benzene	11.971	91	423525	18.513	ug/l	97
68) m/p-Xylenes	12.076	106	325192	37.298	ug/l	98
69) o-Xylene	12.406	106	160096	18.699	ug/l	97
70) Styrene	12.418	104	244412	18.133	ug/l	96
71) Bromoform	12.582	173	59977	19.058	ug/l #	97
73) Isopropylbenzene	12.700	105	397556	17.667	ug/l	98
74) N-amyl acetate	12.500	43	125978	17.000	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	127499	19.087	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	101528m	18.047	ug/l	
77) Bromobenzene	12.988	156	92563	17.719	ug/l	96
78) n-propylbenzene	13.041	91	441794	18.070	ug/l	99
79) 2-Chlorotoluene	13.129	91	277333	17.573	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	326008	17.894	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	31174	17.025	ug/l #	74
82) 4-Chlorotoluene	13.229	91	263495	17.889	ug/l	100
83) tert-Butylbenzene	13.441	119	274467	17.331	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	320818	18.163	ug/l	99
85) sec-Butylbenzene	13.623	105	359561	17.346	ug/l	100
86) p-Isopropyltoluene	13.735	119	291694	17.341	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	151593	17.156	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	148155	17.376	ug/l	98
89) n-Butylbenzene	14.059	91	219625	16.553	ug/l	99
90) Hexachloroethane	14.335	117	50690	16.981	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	150749	17.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	19825	17.786	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	48202	15.666	ug/l	96
94) Hexachlorobutadiene	15.506	225	26206	15.529	ug/l	96
95) Naphthalene	15.647	128	149285	14.424	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	54519	15.843	ug/l	99

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

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