

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079729.D
 Acq On : 30 Oct 2023 17:55
 Operator : JC\MD
 Sample : VN1030WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:32:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	269360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	463752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	424053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	165523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218036	50.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.820%			
35) Dibromofluoromethane	8.171	113	166776	50.328	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	10.570	98	638920	51.721	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.853	95	189534	48.722	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	68414	19.240	ug/l	99
3) Chloromethane	2.365	50	77402	17.969	ug/l	99
4) Vinyl Chloride	2.518	62	83696	18.041	ug/l	99
5) Bromomethane	2.959	94	50251	16.502	ug/l	98
6) Chloroethane	3.130	64	61310	18.040	ug/l	97
7) Trichlorofluoromethane	3.500	101	100371	18.399	ug/l	98
8) Diethyl Ether	3.965	74	36655	18.567	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.371	101	58002	18.357	ug/l	98
10) Methyl Iodide	4.594	142	61605	19.373	ug/l	97
11) Tert butyl alcohol	5.524	59	48831	85.111	ug/l	100
12) 1,1-Dichloroethene	4.341	96	53513	18.082	ug/l	93
13) Acrolein	4.183	56	50316	87.181	ug/l	93
14) Allyl chloride	5.024	41	86513	17.431	ug/l #	92
15) Acrylonitrile	5.724	53	162971	92.311	ug/l	99
16) Acetone	4.436	43	148544	80.266	ug/l	97
17) Carbon Disulfide	4.718	76	154981	17.149	ug/l	100
18) Methyl Acetate	5.030	43	135250	18.115	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	185414	18.517	ug/l #	89
20) Methylene Chloride	5.283	84	67783	18.496	ug/l #	76
21) trans-1,2-Dichloroethene	5.794	96	61425	18.286	ug/l	85
22) Diisopropyl ether	6.677	45	204230	18.304	ug/l #	90
23) Vinyl Acetate	6.612	43	553884	90.164	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	121665	18.197	ug/l	97
25) 2-Butanone	7.488	43	213032	83.803	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	96034	17.751	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	69799	18.047	ug/l	85
28) Bromochloromethane	7.812	49	69497	21.251	ug/l #	74
29) Tetrahydrofuran	7.841	42	137717	88.677	ug/l #	76
30) Chloroform	7.971	83	124475	18.488	ug/l	91
31) Cyclohexane	8.259	56	102148	17.309	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	106084	18.176	ug/l	89
36) 1,1-Dichloropropene	8.376	75	90437	18.396	ug/l	95
37) Ethyl Acetate	7.559	43	89270	18.320	ug/l #	92
38) Carbon Tetrachloride	8.365	117	91684	18.702	ug/l	98
39) Methylcyclohexane	9.606	83	85948	17.577	ug/l #	89
40) Benzene	8.612	78	274098	18.891	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	48111	18.931	ug/l #	85
42) 1,2-Dichloroethane	8.676	62	101479	19.257	ug/l	97
43) Isopropyl Acetate	8.694	43	138704	17.805	ug/l #	92
44) Trichloroethene	9.359	130	66027	18.786	ug/l	97
45) 1,2-Dichloropropane	9.623	63	73305	19.022	ug/l	99
46) Dibromomethane	9.712	93	48129	18.518	ug/l	92
47) Bromodichloromethane	9.888	83	97982	18.793	ug/l	98
48) Methyl methacrylate	9.688	41	65118	18.031	ug/l #	78
49) 1,4-Dioxane	9.700	88	22871	359.871	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	446654	92.150	ug/l	88
52) Toluene	10.635	92	165133	18.643	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	95187	18.079	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	106426	18.476	ug/l #	89
55) 1,1,2-Trichloroethane	11.017	97	67000	19.126	ug/l	96
56) Ethyl methacrylate	10.876	69	87582	17.703	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	117762	19.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	161912	88.834	ug/l	90
59) 2-Hexanone	11.200	43	311314	87.351	ug/l	86
60) Dibromochloromethane	11.365	129	68057	18.775	ug/l	99
61) 1,2-Dibromoethane	11.470	107	65404	18.740	ug/l	94
64) Tetrachloroethene	11.106	164	58230	19.357	ug/l	86
65) Chlorobenzene	11.894	112	170846	18.202	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.964	131	61614	17.667	ug/l	97
67) Ethyl Benzene	11.964	91	294975	17.839	ug/l	97
68) m/p-Xylenes	12.076	106	224008	36.628	ug/l	96
69) o-Xylene	12.400	106	105891	18.006	ug/l	96
70) Styrene	12.417	104	169668	18.011	ug/l	97
71) Bromoform	12.582	173	44713	17.900	ug/l #	99
73) Isopropylbenzene	12.700	105	264713	17.656	ug/l	100
74) N-amyl acetate	12.500	43	101342	16.994	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	97701	18.407	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	82178m	18.284	ug/l	
77) Bromobenzene	12.982	156	63925	18.131	ug/l	97
78) n-propylbenzene	13.041	91	308104	17.840	ug/l	99
79) 2-Chlorotoluene	13.129	91	191086	17.749	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	223455	18.284	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	25034	16.801	ug/l #	71
82) 4-Chlorotoluene	13.229	91	187219	18.105	ug/l	99
83) tert-Butylbenzene	13.441	119	174498	17.422	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	217993	18.489	ug/l	100
85) sec-Butylbenzene	13.617	105	249612	17.867	ug/l	99
86) p-Isopropyltoluene	13.735	119	196206	17.633	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	107865	18.084	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	105666	17.783	ug/l	99
89) n-Butylbenzene	14.058	91	147662	16.703	ug/l	98
90) Hexachloroethane	14.341	117	41615	17.700	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	102041	17.589	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12823	15.665	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	26091	15.088	ug/l	97
94) Hexachlorobutadiene	15.505	225	25619	16.697	ug/l	95
95) Naphthalene	15.647	128	66573	13.261	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	29967	15.519	ug/l	98

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

