

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092023\
 Data File : VN079310.D
 Acq On : 20 Sep 2023 14:52
 Operator : JC\MD
 Sample : VN0920WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 21 01:56:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	160963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	252990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113873	52.407	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.820%			
35) Dibromofluoromethane	8.171	113	87827	47.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.000%			
50) Toluene-d8	10.571	98	317841	47.307	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.620%			
62) 4-Bromofluorobenzene	12.853	95	103002	48.061	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	31737	19.927	ug/l	96
3) Chloromethane	2.365	50	39924	19.096	ug/l	98
4) Vinyl Chloride	2.518	62	46023	20.203	ug/l	97
5) Bromomethane	2.959	94	27352	20.888	ug/l	94
6) Chloroethane	3.124	64	33186	22.235	ug/l	96
7) Trichlorofluoromethane	3.495	101	58578	17.560	ug/l	99
8) Diethyl Ether	3.965	74	22358	19.310	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.371	101	33444	18.852	ug/l	100
10) Methyl Iodide	4.589	142	33373	22.997	ug/l	97
11) Tert butyl alcohol	5.536	59	30016	74.824	ug/l	98
12) 1,1-Dichloroethene	4.342	96	29820	17.370	ug/l	86
13) Acrolein	4.183	56	36673	95.838	ug/l	98
14) Allyl chloride	5.024	41	49239	17.980	ug/l #	90
15) Acrylonitrile	5.724	53	98894	95.074	ug/l	97
16) Acetone	4.436	43	95752	103.760	ug/l	91
17) Carbon Disulfide	4.712	76	78022	14.541	ug/l	98
18) Methyl Acetate	5.030	43	77309	20.384	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	114160	19.389	ug/l	95
20) Methylene Chloride	5.277	84	41923	18.668	ug/l #	84
21) trans-1,2-Dichloroethene	5.794	96	35064	17.607	ug/l	87
22) Diisopropyl ether	6.677	45	129401	21.535	ug/l #	91
23) Vinyl Acetate	6.612	43	366520	99.169	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	72284	19.514	ug/l	97
25) 2-Butanone	7.488	43	132481	98.944	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	56543	18.601	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	42814	18.801	ug/l	88
28) Bromochloromethane	7.818	49	32461	19.382	ug/l #	73
29) Tetrahydrofuran	7.841	42	85690	100.566	ug/l #	74
30) Chloroform	7.971	83	76441	19.821	ug/l	95
31) Cyclohexane	8.259	56	57650	18.171	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	62640	19.054	ug/l	96
36) 1,1-Dichloropropene	8.377	75	52926	18.765	ug/l	96
37) Ethyl Acetate	7.565	43	57046	20.279	ug/l #	91
38) Carbon Tetrachloride	8.365	117	52896	18.123	ug/l	99
39) Methylcyclohexane	9.606	83	49066	17.637	ug/l #	86
40) Benzene	8.612	78	163207	18.903	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	29732	20.962	ug/l #	83
42) 1,2-Dichloroethane	8.677	62	62291	20.957	ug/l	96
43) Isopropyl Acetate	8.694	43	88448	19.269	ug/l #	89
44) Trichloroethene	9.359	130	39357	18.504	ug/l	91
45) 1,2-Dichloropropane	9.629	63	44649	20.837	ug/l	98
46) Dibromomethane	9.712	93	30092	20.687	ug/l	96
47) Bromodichloromethane	9.888	83	62556	20.997	ug/l	99
48) Methyl methacrylate	9.688	41	39701	19.310	ug/l #	84
49) 1,4-Dioxane	9.700	88	14670	346.903	ug/l	88
51) 4-Methyl-2-Pentanone	10.447	43	273904	102.796	ug/l	89
52) Toluene	10.635	92	98946	18.648	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	59263	18.864	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	66242	19.715	ug/l #	87
55) 1,1,2-Trichloroethane	11.023	97	42934	20.621	ug/l	96
56) Ethyl methacrylate	10.876	69	55208	18.785	ug/l #	78
57) 1,3-Dichloropropane	11.165	76	72951	20.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	126920	109.561	ug/l	89
59) 2-Hexanone	11.200	43	191721	99.343	ug/l	85
60) Dibromochloromethane	11.365	129	41703	18.821	ug/l	96
61) 1,2-Dibromoethane	11.470	107	39507	19.014	ug/l	99
64) Tetrachloroethene	11.106	164	33395	18.103	ug/l	98
65) Chlorobenzene	11.894	112	102672	17.915	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	40115	18.666	ug/l	97
67) Ethyl Benzene	11.970	91	180484	18.411	ug/l	94
68) m/p-Xylenes	12.076	106	134916	36.923	ug/l	95
69) o-Xylene	12.400	106	64168	18.311	ug/l	90
70) Styrene	12.412	104	107136	19.009	ug/l	99
71) Bromoform	12.582	173	27393	17.266	ug/l #	99
73) Isopropylbenzene	12.700	105	165494	18.180	ug/l	98
74) N-amyl acetate	12.500	43	63557	18.402	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	59563	17.571	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	46939m	17.406	ug/l	
77) Bromobenzene	12.982	156	38892	16.873	ug/l	95
78) n-propylbenzene	13.041	91	191556	18.732	ug/l	98
79) 2-Chlorotoluene	13.129	91	120972	18.087	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	138927	18.315	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	15872	16.181	ug/l #	79
82) 4-Chlorotoluene	13.223	91	115808	18.427	ug/l	99
83) tert-Butylbenzene	13.441	119	108227	17.247	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	137970	19.099	ug/l	100
85) sec-Butylbenzene	13.617	105	157844	18.271	ug/l	99
86) p-Isopropyltoluene	13.735	119	125080	18.123	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	66676	17.636	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	66217	17.333	ug/l	98
89) n-Butylbenzene	14.059	91	97124	17.895	ug/l	97
90) Hexachloroethane	14.335	117	25060	17.880	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	65727	17.610	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8916	17.302	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	19316	14.402	ug/l	98
94) Hexachlorobutadiene	15.506	225	15572	14.759	ug/l	96
95) Naphthalene	15.647	128	48785	12.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	21871	13.824	ug/l	96

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

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