

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079541.D
 Acq On : 12 Oct 2023 13:35
 Operator : JC\MD
 Sample : VN1012WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2023
 Supervised By : Mahesh Dadoda 10/13/2023

Quant Time: Oct 13 01:18:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	234720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	412621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	367778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	196990	51.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.171	113	152312	51.366	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	10.571	98	583834	54.416	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.853	95	180964	52.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	65003	19.326	ug/l	98
3) Chloromethane	2.365	50	75855	18.075	ug/l	94
4) Vinyl Chloride	2.518	62	82380	18.872	ug/l	97
5) Bromomethane	2.953	94	46748	17.889	ug/l	94
6) Chloroethane	3.124	64	56761	17.247	ug/l	97
7) Trichlorofluoromethane	3.500	101	99750	19.354	ug/l	96
8) Diethyl Ether	3.965	74	36029	19.608	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.377	101	55107	18.296	ug/l	99
10) Methyl Iodide	4.595	142	60844	23.280	ug/l	95
11) Tert butyl alcohol	5.524	59	47301	82.578	ug/l	97
12) 1,1-Dichloroethene	4.347	96	51307	18.501	ug/l #	84
13) Acrolein	4.189	56	47558	83.383	ug/l	97
14) Allyl chloride	5.024	41	89909	20.090	ug/l #	90
15) Acrylonitrile	5.724	53	156107	94.004	ug/l	99
16) Acetone	4.436	43	151582	100.418	ug/l	99
17) Carbon Disulfide	4.718	76	147167	17.013	ug/l	96
18) Methyl Acetate	5.036	43	128823	17.436	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	176547	19.593	ug/l	93
20) Methylene Chloride	5.289	84	64863	19.252	ug/l	87
21) trans-1,2-Dichloroethene	5.794	96	57559	17.770	ug/l #	79
22) Diisopropyl ether	6.677	45	200338	19.963	ug/l #	89
23) Vinyl Acetate	6.606	43	540314	95.718	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	118289	19.260	ug/l	98
25) 2-Butanone	7.488	43	204883	91.448	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	93311	19.880	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	69584	19.775	ug/l	88
28) Bromochloromethane	7.818	49	58535	20.031	ug/l #	75
29) Tetrahydrofuran	7.841	42	130717	90.212	ug/l #	77
30) Chloroform	7.971	83	119862	19.316	ug/l	95
31) Cyclohexane	8.265	56	93511	17.322	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	100684	19.280	ug/l	93
36) 1,1-Dichloropropene	8.383	75	85673	19.251	ug/l	94
37) Ethyl Acetate	7.565	43	85344	19.272	ug/l #	90
38) Carbon Tetrachloride	8.365	117	87635	19.670	ug/l	94
39) Methylcyclohexane	9.606	83	78248	18.300	ug/l #	88
40) Benzene	8.612	78	262029	19.825	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	42078	18.074	ug/l	88
42) 1,2-Dichloroethane	8.677	62	93949	19.562	ug/l	98
43) Isopropyl Acetate	8.694	43	139962	18.040	ug/l #	88
44) Trichloroethene	9.359	130	61583	19.796	ug/l	96
45) 1,2-Dichloropropane	9.629	63	67826	19.477	ug/l	96
46) Dibromomethane	9.712	93	45156	20.021	ug/l	96
47) Bromodichloromethane	9.894	83	94423	20.352	ug/l	93
48) Methyl methacrylate	9.682	41	62078	18.673	ug/l #	81
49) 1,4-Dioxane	9.700	88	22081	360.584	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	425755	97.215	ug/l	89
52) Toluene	10.635	92	156965	20.176	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	92851	19.860	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	103185	20.161	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	63770	20.417	ug/l	95
56) Ethyl methacrylate	10.876	69	87287	20.337	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	111460	20.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	163096	99.227	ug/l #	88
59) 2-Hexanone	11.200	43	303282	95.966	ug/l	87
60) Dibromochloromethane	11.365	129	65341	20.815	ug/l	99
61) 1,2-Dibromoethane	11.471	107	59344	19.145	ug/l	98
64) Tetrachloroethene	11.106	164	49624	19.614	ug/l	94
65) Chlorobenzene	11.894	112	162266	19.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	59968	19.997	ug/l	95
67) Ethyl Benzene	11.971	91	288244	20.248	ug/l	96
68) m/p-Xylenes	12.076	106	216487	41.853	ug/l	95
69) o-Xylene	12.400	106	102883	20.225	ug/l	93
70) Styrene	12.418	104	168622	20.986	ug/l	98
71) Bromoform	12.582	173	41862	19.073	ug/l #	98
73) Isopropylbenzene	12.700	105	260846	18.688	ug/l	99
74) N-amyl acetate	12.500	43	103161	18.028	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	92826	19.872	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	81799m	18.910	ug/l	
77) Bromobenzene	12.982	156	61264	17.901	ug/l	95
78) n-propylbenzene	13.041	91	307012	19.441	ug/l	96
79) 2-Chlorotoluene	13.129	91	185552	18.362	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	214961	19.531	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	26763	17.951	ug/l	88
82) 4-Chlorotoluene	13.223	91	180433	18.764	ug/l	99
83) tert-Butylbenzene	13.441	119	170240	18.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	209090	19.906	ug/l	100
85) sec-Butylbenzene	13.623	105	238777	18.984	ug/l	97
86) p-Isopropyltoluene	13.735	119	188670	19.553	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	104364	19.226	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	101156	18.048	ug/l	98
89) n-Butylbenzene	14.059	91	143024	18.561	ug/l	98
90) Hexachloroethane	14.341	117	39237	19.390	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	101332	19.138	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13858	17.170	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	26740	16.306	ug/l	96
94) Hexachlorobutadiene	15.506	225	22785	17.840	ug/l	94
95) Naphthalene	15.647	128	69623	13.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	29760	15.207	ug/l	95

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

