

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079512.D
 Acq On : 11 Oct 2023 13:02
 Operator : JC\MD
 Sample : VN1011WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 10/12/2023

Supervised By :Mahesh
 Dadoda
 10/12/2023

Quant Time: Oct 12 06:06:51 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	256588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	461476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	403082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164627	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207934	49.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.960%
35) Dibromofluoromethane	8.171	113	162536	49.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.571	98	609315	50.779	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.560%
62) 4-Bromofluorobenzene	12.853	95	189480	49.204	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	70552	19.189	ug/l	100
3) Chloromethane	2.365	50	80475	17.541	ug/l	99
4) Vinyl Chloride	2.518	62	87403	18.316	ug/l	98
5) Bromomethane	2.953	94	47464	16.615	ug/l	96
6) Chloroethane	3.118	64	58629	16.297	ug/l	99
7) Trichlorofluoromethane	3.495	101	108969	19.340	ug/l	97
8) Diethyl Ether	3.965	74	39530	19.680	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	60265	18.303	ug/l	99
10) Methyl Iodide	4.589	142	53866	18.853	ug/l	97
11) Tert butyl alcohol	5.530	59	53506	85.450	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	57131	18.845	ug/l	91
13) Acrolein	4.183	56	54194	86.920	ug/l	98
14) Allyl chloride	5.030	41	88037	17.995	ug/l	89
15) Acrylonitrile	5.724	53	170251	93.783	ug/l	100
16) Acetone	4.436	43	161058	97.602	ug/l	97
17) Carbon Disulfide	4.718	76	159414	16.858	ug/l	100
18) Methyl Acetate	5.036	43	142303	17.619	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	197574	20.058	ug/l #	91
20) Methylene Chloride	5.283	84	70569	19.158	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	63731	17.999	ug/l	93
22) Diisopropyl ether	6.677	45	213515	19.463	ug/l #	89
23) Vinyl Acetate	6.606	43	608314	98.580	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	124274	18.510	ug/l	97
25) 2-Butanone	7.494	43	227713	92.976	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	104435	20.354	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	73904	19.213	ug/l	85
28) Bromochloromethane	7.818	49	54599	17.092	ug/l #	79
29) Tetrahydrofuran	7.847	42	146462	92.464	ug/l #	77
30) Chloroform	7.971	83	128468	18.938	ug/l	91
31) Cyclohexane	8.265	56	104782	17.756	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	109938	19.258	ug/l	96
36) 1,1-Dichloropropene	8.377	75	92090	18.502	ug/l	96
37) Ethyl Acetate	7.565	43	93146	18.807	ug/l #	90
38) Carbon Tetrachloride	8.365	117	94057	18.876	ug/l	97
39) Methylcyclohexane	9.606	83	89921	18.804	ug/l #	87
40) Benzene	8.612	78	284566	19.251	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.788	41	49074	18.847	ug/l	#	86
42) 1,2-Dichloroethane	8.677	62	99743	18.570	ug/l		97
43) Isopropyl Acetate	8.694	43	167909	19.351	ug/l	#	85
44) Trichloroethene	9.359	130	66987	19.254	ug/l		97
45) 1,2-Dichloropropane	9.624	63	74465	19.120	ug/l		94
46) Dibromomethane	9.712	93	49913	19.788	ug/l		97
47) Bromodichloromethane	9.894	83	100251	19.321	ug/l		97
48) Methyl methacrylate	9.682	41	67878	18.256	ug/l	#	83
49) 1,4-Dioxane	9.706	88	27381	399.797	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.447	43	468848	95.721	ug/l		90
52) Toluene	10.635	92	173287	19.915	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	102599	19.622	ug/l		97
54) cis-1,3-Dichloropropene	10.318	75	111884	19.546	ug/l	#	86
55) 1,1,2-Trichloroethane	11.018	97	67205	19.239	ug/l		94
56) Ethyl methacrylate	10.876	69	96753	20.156	ug/l	#	81
57) 1,3-Dichloropropane	11.165	76	117550	19.488	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	178652	97.184	ug/l		91
59) 2-Hexanone	11.200	43	339122	95.947	ug/l		88
60) Dibromochloromethane	11.359	129	70446	20.066	ug/l		99
61) 1,2-Dibromoethane	11.471	107	66793	19.267	ug/l		99
64) Tetrachloroethene	11.106	164	52292	18.858	ug/l		98
65) Chlorobenzene	11.894	112	176729	19.688	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.965	131	64884	19.741	ug/l		97
67) Ethyl Benzene	11.965	91	312891	20.054	ug/l		97
68) m/p-Xylenes	12.070	106	237265	41.852	ug/l		97
69) o-Xylene	12.400	106	112670	20.209	ug/l		94
70) Styrene	12.412	104	180330	20.477	ug/l		98
71) Bromoform	12.582	173	46103	19.165	ug/l	#	98
73) Isopropylbenzene	12.700	105	284611	18.583	ug/l		100
74) N-amyl acetate	12.500	43	113400	18.061	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	98450	19.166	ug/l		100
76) 1,2,3-Trichloropropane	13.000	75	87228m	18.377	ug/l		
77) Bromobenzene	12.982	156	66407	17.683	ug/l		96
78) n-propylbenzene	13.041	91	332186	19.170	ug/l		97
79) 2-Chlorotoluene	13.129	91	202493	18.262	ug/l		99
80) 1,3,5-Trimethylbenzene	13.176	105	234154	19.388	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	28948	17.695	ug/l		85
82) 4-Chlorotoluene	13.223	91	194680	18.451	ug/l		97
83) tert-Butylbenzene	13.441	119	188255	19.025	ug/l		99
84) 1,2,4-Trimethylbenzene	13.488	105	227954	19.778	ug/l		99
85) sec-Butylbenzene	13.617	105	264031	19.130	ug/l		99
86) p-Isopropyltoluene	13.735	119	213850	20.197	ug/l		99
87) 1,3-Dichlorobenzene	13.741	146	112790	18.936	ug/l		97
88) 1,4-Dichlorobenzene	13.817	146	108199	17.593	ug/l		99
89) n-Butylbenzene	14.059	91	158813	18.783	ug/l		98
90) Hexachloroethane	14.341	117	43449	19.577	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	107128	18.439	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14755	16.661	ug/l		99
93) 1,2,4-Trichlorobenzene	15.400	180	29812	16.567	ug/l		99
94) Hexachlorobutadiene	15.506	225	25353	18.090	ug/l		97
95) Naphthalene	15.641	128	78254	14.241	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	34311	15.978	ug/l		100

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

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