

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076199.D
 Acq On : 11 Jan 2023 10:42
 Operator : JC\MD
 Sample : VN0111WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2023
 Supervised By : Mahesh Dadoda 01/12/2023

Quant Time: Jan 12 00:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	388375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	605044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	528174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	248224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	194826	46.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.220%		
35) Dibromofluoromethane	8.171	113	180015	48.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.080%		
50) Toluene-d8	10.571	98	647497	46.219	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.440%		
62) 4-Bromofluorobenzene	12.853	95	217349	46.842	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	64602	23.427	ug/l	96
3) Chloromethane	2.377	50	63855	18.622	ug/l	93
4) Vinyl Chloride	2.530	62	75881	18.551	ug/l	96
5) Bromomethane	2.965	94	61950	17.821	ug/l	97
6) Chloroethane	3.130	64	55983	18.482	ug/l	98
7) Trichlorofluoromethane	3.512	101	112083	18.059	ug/l	98
8) Diethyl Ether	3.971	74	39703	17.514	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.389	101	65856	18.582	ug/l	100
10) Methyl Iodide	4.606	142	96000	16.691	ug/l	100
11) Tert butyl alcohol	5.536	59	48092	80.441	ug/l #	85
12) 1,1-Dichloroethene	4.353	96	60016	17.436	ug/l	97
13) Acrolein	4.194	56	63774	87.010	ug/l	99
14) Allyl chloride	5.041	41	72096	17.917	ug/l	93
15) Acrylonitrile	5.736	53	138500	84.891	ug/l	98
16) Acetone	4.442	43	129730	89.070	ug/l	98
17) Carbon Disulfide	4.724	76	130393	15.646	ug/l	100
18) Methyl Acetate	5.041	43	79570	18.482	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	214193	18.896	ug/l	95
20) Methylene Chloride	5.289	84	69131	17.324	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	64468	17.102	ug/l	96
22) Diisopropyl ether	6.688	45	178511	18.262	ug/l	98
23) Vinyl Acetate	6.618	43	560083	85.129	ug/l	99
24) 1,1-Dichloroethane	6.583	63	114474	17.560	ug/l	99
25) 2-Butanone	7.494	43	180920	88.714	ug/l	99
26) 2,2-Dichloropropane	7.500	77	96059	17.400	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	77919	17.283	ug/l	97
28) Bromochloromethane	7.824	49	46371	16.229	ug/l	97
29) Tetrahydrofuran	7.841	42	114039	89.232	ug/l	98
30) Chloroform	7.977	83	124906	17.018	ug/l	95
31) Cyclohexane	8.271	56	105346	17.409	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	114706	17.628	ug/l	97
36) 1,1-Dichloropropene	8.377	75	89723	18.026	ug/l	99
37) Ethyl Acetate	7.565	43	77698	19.434	ug/l	100
38) Carbon Tetrachloride	8.365	117	100341	18.012	ug/l	95
39) Methylcyclohexane	9.606	83	115109	19.169	ug/l	97
40) Benzene	8.612	78	277165	18.048	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	38937	18.736	ug/l	98
42) 1,2-Dichloroethane	8.677	62	94810	18.570	ug/l	99
43) Isopropyl Acetate	8.694	43	123323	18.699	ug/l	100
44) Trichloroethene	9.353	130	75831	17.528	ug/l	89
45) 1,2-Dichloropropane	9.624	63	65628	17.561	ug/l	98
46) Dibromomethane	9.712	93	49245	17.766	ug/l	99
47) Bromodichloromethane	9.888	83	96336	17.723	ug/l	99
48) Methyl methacrylate	9.682	41	56857	19.141	ug/l	98
49) 1,4-Dioxane	9.694	88	24262	332.239	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	373388	93.616	ug/l	98
52) Toluene	10.635	92	181481	18.145	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	96095	18.060	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	107662	18.429	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	71715	18.268	ug/l	99
56) Ethyl methacrylate	10.876	69	97979	18.790	ug/l	97
57) 1,3-Dichloropropane	11.165	76	115178	17.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	153334	92.360	ug/l	98
59) 2-Hexanone	11.194	43	265536	91.291	ug/l	99
60) Dibromochloromethane	11.359	129	77685	17.794	ug/l	98
61) 1,2-Dibromoethane	11.470	107	70763	17.812	ug/l	98
64) Tetrachloroethene	11.106	164	77515	20.856	ug/l	98
65) Chlorobenzene	11.894	112	194737	17.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	73985	18.426	ug/l	98
67) Ethyl Benzene	11.965	91	343920	18.797	ug/l	98
68) m/p-Xylenes	12.070	106	276070	38.123	ug/l	99
69) o-Xylene	12.400	106	136330	19.024	ug/l	99
70) Styrene	12.412	104	215459	18.909	ug/l	99
71) Bromoform	12.582	173	52848	18.088	ug/l #	99
73) Isopropylbenzene	12.700	105	356316	19.864	ug/l	100
74) N-amyl acetate	12.494	43	101429	19.275	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	96940	17.482	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	86123m	17.212	ug/l	
77) Bromobenzene	12.982	156	85569	18.849	ug/l	96
78) n-propylbenzene	13.035	91	386396	19.530	ug/l	100
79) 2-Chlorotoluene	13.129	91	234242	18.967	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	297526	19.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	25679	18.473	ug/l #	85
82) 4-Chlorotoluene	13.129	91	234242	18.967	ug/l	99
83) tert-Butylbenzene	13.441	119	262170	19.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	294971	19.805	ug/l	99
85) sec-Butylbenzene	13.617	105	362785	19.857	ug/l	99
86) p-Isopropyltoluene	13.729	119	303694	19.977	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	155542	18.549	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	153023	17.863	ug/l	98
89) n-Butylbenzene	14.059	91	236363	19.192	ug/l	99
90) Hexachloroethane	14.335	117	50413	18.539	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	155111	18.779	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17742	18.031	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	72460	17.720	ug/l	100
94) Hexachlorobutadiene	15.500	225	41875	18.769	ug/l	97
95) Naphthalene	15.641	128	211436	17.147	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	70305	18.395	ug/l	98

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

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