

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012323\
 Data File : VN076366.D
 Acq On : 23 Jan 2023 15:00
 Operator : JC\MD
 Sample : VN0123WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2023
 Supervised By : Mahesh Dadoda 01/25/2023

Quant Time: Jan 24 00:38:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	395383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	626109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	533294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	232547	52.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.060%			
35) Dibromofluoromethane	8.177	113	201710	51.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.000%			
50) Toluene-d8	10.571	98	742907	51.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.853	95	243605	51.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71768	17.713	ug/l	95
3) Chloromethane	2.377	50	76500	18.236	ug/l	98
4) Vinyl Chloride	2.530	62	104268	20.270	ug/l	98
5) Bromomethane	2.959	94	80064	19.007	ug/l	89
6) Chloroethane	3.136	64	72272	18.737	ug/l	97
7) Trichlorofluoromethane	3.512	101	123186	17.407	ug/l	98
8) Diethyl Ether	3.977	74	45746	19.273	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	69533	17.356	ug/l	97
10) Methyl Iodide	4.601	142	102665	16.777	ug/l	99
11) Tert butyl alcohol	5.530	59	49760	84.034	ug/l #	84
12) 1,1-Dichloroethene	4.354	96	65380	17.264	ug/l	92
13) Acrolein	4.201	56	58429	82.509	ug/l	98
14) Allyl chloride	5.042	41	82370	18.664	ug/l	97
15) Acrylonitrile	5.730	53	158070	93.807	ug/l	98
16) Acetone	4.442	43	137220	96.645	ug/l	98
17) Carbon Disulfide	4.724	76	144571	15.332	ug/l	99
18) Methyl Acetate	5.036	43	87230	18.137	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	232396	18.850	ug/l	99
20) Methylene Chloride	5.289	84	76180	17.752	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	69685	16.985	ug/l	100
22) Diisopropyl ether	6.683	45	207703	19.957	ug/l	98
23) Vinyl Acetate	6.618	43	621523	92.402	ug/l	98
24) 1,1-Dichloroethane	6.583	63	127906	18.437	ug/l	99
25) 2-Butanone	7.489	43	204451	94.325	ug/l	95
26) 2,2-Dichloropropane	7.494	77	101921	17.431	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	86049	17.983	ug/l	97
28) Bromochloromethane	7.818	49	63372	22.537	ug/l	99
29) Tetrahydrofuran	7.847	42	131240	98.105	ug/l	95
30) Chloroform	7.971	83	141370	18.417	ug/l	98
31) Cyclohexane	8.265	56	116063	17.066	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	125285	17.877	ug/l	93
36) 1,1-Dichloropropene	8.383	75	98138	17.634	ug/l	99
37) Ethyl Acetate	7.571	43	80820	18.128	ug/l	100
38) Carbon Tetrachloride	8.371	117	109752	17.684	ug/l	96
39) Methylcyclohexane	9.606	83	118401	17.421	ug/l	98
40) Benzene	8.612	78	304950	18.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	43084	18.433	ug/l	96
42) 1,2-Dichloroethane	8.677	62	108105	18.987	ug/l	98
43) Isopropyl Acetate	8.694	43	138317	19.047	ug/l	97
44) Trichloroethene	9.353	130	80295	17.060	ug/l	98
45) 1,2-Dichloropropane	9.624	63	74502	18.699	ug/l	95
46) Dibromomethane	9.712	93	53798	17.884	ug/l	99
47) Bromodichloromethane	9.894	83	108983	18.679	ug/l	99
48) Methyl methacrylate	9.683	41	65489	19.049	ug/l	97
49) 1,4-Dioxane	9.694	88	27755	382.606	ug/l #	94
51) 4-Methyl-2-Pentanone	10.447	43	416908	97.796	ug/l	99
52) Toluene	10.635	92	195980	17.610	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	103805	18.664	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	118457	18.513	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	77213	18.152	ug/l	99
56) Ethyl methacrylate	10.877	69	104811	19.085	ug/l	99
57) 1,3-Dichloropropane	11.165	76	128071	18.527	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	159850	86.221	ug/l	99
59) 2-Hexanone	11.200	43	297198	96.205	ug/l	99
60) Dibromochloromethane	11.359	129	84041	18.768	ug/l	98
61) 1,2-Dibromoethane	11.471	107	76779	18.083	ug/l	100
64) Tetrachloroethene	11.106	164	82384	17.130	ug/l	98
65) Chlorobenzene	11.894	112	209073	18.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	79989	19.071	ug/l	99
67) Ethyl Benzene	11.965	91	367364	19.041	ug/l	99
68) m/p-Xylenes	12.071	106	293326	37.914	ug/l	100
69) o-Xylene	12.400	106	144395	19.005	ug/l	96
70) Styrene	12.412	104	234449	19.326	ug/l	99
71) Bromoform	12.582	173	58666	19.368	ug/l #	100
73) Isopropylbenzene	12.700	105	377983	20.236	ug/l	99
74) N-amyl acetate	12.494	43	107879	20.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	107033	19.933	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	81702m	17.967	ug/l	
77) Bromobenzene	12.982	156	88076	19.829	ug/l	96
78) n-propylbenzene	13.035	91	416813	19.776	ug/l	99
79) 2-Chlorotoluene	13.129	91	253343	19.589	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	318261	20.338	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	26448	18.225	ug/l	93
82) 4-Chlorotoluene	13.129	91	253343	19.589	ug/l	99
83) tert-Butylbenzene	13.441	119	287749	20.675	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	313240	19.963	ug/l	99
85) sec-Butylbenzene	13.618	105	382237	19.792	ug/l	100
86) p-Isopropyltoluene	13.735	119	315923	19.893	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	158897	18.048	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	155772	18.663	ug/l	99
89) n-Butylbenzene	14.059	91	247148	19.605	ug/l	99
90) Hexachloroethane	14.335	117	53287	19.441	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	159293	18.166	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18714	20.049	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	72167	17.893	ug/l	99
94) Hexachlorobutadiene	15.506	225	40840	17.551	ug/l	98
95) Naphthalene	15.641	128	221903	18.876	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	70493	18.205	ug/l	99

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

