

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012323\
 Data File : VN076368.D
 Acq On : 23 Jan 2023 15:48
 Operator : JC\MD
 Sample : VN0123WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jan 24 00:38:25 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	8.230	168	364558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	588376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	507710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	229932	56.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.660%			
35) Dibromofluoromethane	8.171	113	194950	52.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	10.571	98	698565	51.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.853	95	228131	51.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	62886	16.833	ug/l	97
3) Chloromethane	2.377	50	70541	18.237	ug/l	96
4) Vinyl Chloride	2.530	62	94030	19.826	ug/l	99
5) Bromomethane	2.965	94	72564	18.683	ug/l	95
6) Chloroethane	3.130	64	66307	18.644	ug/l	98
7) Trichlorofluoromethane	3.512	101	114115	17.489	ug/l	100
8) Diethyl Ether	3.977	74	45015	20.568	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.383	101	63021	17.061	ug/l	98
10) Methyl Iodide	4.601	142	97157	17.219	ug/l	98
11) Tert butyl alcohol	5.536	59	49440	90.553	ug/l #	86
12) 1,1-Dichloroethene	4.359	96	60642	17.367	ug/l	89
13) Acrolein	4.195	56	57996	88.823	ug/l	98
14) Allyl chloride	5.042	41	84133	20.676	ug/l	90
15) Acrylonitrile	5.736	53	153929	99.073	ug/l	98
16) Acetone	4.442	43	130595	99.758	ug/l	97
17) Carbon Disulfide	4.730	76	134924	15.519	ug/l	98
18) Methyl Acetate	5.042	43	86824	19.579	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	229704	20.207	ug/l	99
20) Methylene Chloride	5.289	84	73762	18.673	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	66518	17.584	ug/l	95
22) Diisopropyl ether	6.683	45	195196	20.341	ug/l	99
23) Vinyl Acetate	6.618	43	611565	98.609	ug/l	97
24) 1,1-Dichloroethane	6.583	63	119277	18.647	ug/l	99
25) 2-Butanone	7.494	43	193442	96.792	ug/l	91
26) 2,2-Dichloropropane	7.500	77	91745	17.018	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	79796	18.086	ug/l	99
28) Bromochloromethane	7.818	49	60953	23.510	ug/l	97
29) Tetrahydrofuran	7.847	42	126283	102.381	ug/l	97
30) Chloroform	7.971	83	134095	18.946	ug/l	99
31) Cyclohexane	8.265	56	105003	16.746	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	115697	17.904	ug/l	93
36) 1,1-Dichloropropene	8.377	75	89447	17.103	ug/l	98
37) Ethyl Acetate	7.571	43	80570	19.229	ug/l	99
38) Carbon Tetrachloride	8.365	117	101326	17.373	ug/l	97
39) Methylcyclohexane	9.606	83	107025	16.757	ug/l	98
40) Benzene	8.612	78	284343	18.182	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	43994	20.030	ug/l	96
42) 1,2-Dichloroethane	8.677	62	105857	19.784	ug/l	99
43) Isopropyl Acetate	8.694	43	132954	19.483	ug/l	98
44) Trichloroethene	9.359	130	73730	16.669	ug/l	97
45) 1,2-Dichloropropane	9.630	63	69252	18.496	ug/l	98
46) Dibromomethane	9.712	93	52964	18.736	ug/l	98
47) Bromodichloromethane	9.888	83	103849	18.941	ug/l	97
48) Methyl methacrylate	9.683	41	60702	18.789	ug/l	98
49) 1,4-Dioxane	9.694	88	26032	381.868	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	411395	102.692	ug/l	99
52) Toluene	10.635	92	181713	17.376	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	100329	19.196	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	112063	18.636	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	75237	18.821	ug/l	98
56) Ethyl methacrylate	10.877	69	101544	19.676	ug/l	97
57) 1,3-Dichloropropane	11.165	76	125768	19.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	153692	88.216	ug/l	99
59) 2-Hexanone	11.200	43	286785	98.787	ug/l	100
60) Dibromochloromethane	11.359	129	81009	19.251	ug/l	97
61) 1,2-Dibromoethane	11.471	107	74027	18.553	ug/l	97
64) Tetrachloroethene	11.106	164	77444	16.914	ug/l	98
65) Chlorobenzene	11.894	112	194334	18.107	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	75050	18.795	ug/l	99
67) Ethyl Benzene	11.965	91	338485	18.428	ug/l	98
68) m/p-Xylenes	12.071	106	269479	36.587	ug/l	99
69) o-Xylene	12.400	106	134440	18.587	ug/l	98
70) Styrene	12.412	104	215476	18.657	ug/l	99
71) Bromoform	12.582	173	55858	19.370	ug/l #	100
73) Isopropylbenzene	12.700	105	341694	19.882	ug/l	100
74) N-amyl acetate	12.500	43	104288	21.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	101261	20.496	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	80226m	19.240	ug/l	
77) Bromobenzene	12.982	156	83038	20.333	ug/l	97
78) n-propylbenzene	13.035	91	377430	19.463	ug/l	100
79) 2-Chlorotoluene	13.129	91	231417	19.448	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	288978	20.071	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	26314	19.708	ug/l #	85
82) 4-Chlorotoluene	13.129	91	231417	19.448	ug/l	100
83) tert-Butylbenzene	13.441	119	264595	20.663	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	286381	19.836	ug/l	100
85) sec-Butylbenzene	13.618	105	344089	19.365	ug/l	99
86) p-Isopropyltoluene	13.735	119	291542	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	145590	17.973	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	144273	18.786	ug/l	99
89) n-Butylbenzene	14.059	91	219611	18.933	ug/l	99
90) Hexachloroethane	14.335	117	49195	19.508	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	145748	18.065	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17495	20.371	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	66833	18.001	ug/l	98
94) Hexachlorobutadiene	15.500	225	37581	17.553	ug/l	99
95) Naphthalene	15.647	128	211003	19.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	65277	18.315	ug/l	98

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

