

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031124\
 Data File : VN081356.D
 Acq On : 11 Mar 2024 12:17
 Operator : JC\MD
 Sample : VN0311WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2024
 Supervised By : Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 04:50:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	295561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	548745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	491147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	225910	52.863	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.720%			
35) Dibromofluoromethane	8.165	113	172967	51.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	10.565	98	648571	51.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.853	95	226961	51.095	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 102.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82910	21.161	ug/l	96
3) Chloromethane	2.365	50	76607	18.101	ug/l	98
4) Vinyl Chloride	2.518	62	84102	19.049	ug/l	95
5) Bromomethane	2.959	94	54895	18.617	ug/l	100
6) Chloroethane	3.130	64	57601	18.995	ug/l	94
7) Trichlorofluoromethane	3.500	101	130685	20.009	ug/l	92
8) Diethyl Ether	3.959	74	46229	20.090	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.377	101	73253	19.695	ug/l	94
10) Methyl Iodide	4.594	142	67319	19.779	ug/l	97
11) Tert butyl alcohol	5.506	59	74682	99.942	ug/l	99
12) 1,1-Dichloroethene	4.341	96	65791	19.101	ug/l	88
13) Acrolein	4.177	56	81786	92.431	ug/l	96
14) Allyl chloride	5.018	41	99253	19.417	ug/l #	90
15) Acrylonitrile	5.718	53	192970	98.850	ug/l	96
16) Acetone	4.430	43	147657	97.520	ug/l	99
17) Carbon Disulfide	4.712	76	176214	17.925	ug/l #	94
18) Methyl Acetate	5.018	43	99110	22.863	ug/l	94
19) Methyl tert-butyl Ether	5.788	73	235572	20.166	ug/l	95
20) Methylene Chloride	5.283	84	80485	21.049	ug/l	87
21) trans-1,2-Dichloroethene	5.783	96	72660	18.711	ug/l	94
22) Diisopropyl ether	6.665	45	241700	21.288	ug/l #	96
23) Vinyl Acetate	6.600	43	933182	101.174	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	138358	19.908	ug/l	94
25) 2-Butanone	7.482	43	252477	99.570	ug/l	99
26) 2,2-Dichloropropane	7.488	77	123456	20.099	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	86059	19.547	ug/l	90
28) Bromochloromethane	7.806	49	53109	17.859	ug/l #	62
29) Tetrahydrofuran	7.835	42	170725	98.738	ug/l	89
30) Chloroform	7.971	83	148213	20.550	ug/l	98
31) Cyclohexane	8.259	56	119466	18.465	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	130028	20.396	ug/l #	91
36) 1,1-Dichloropropene	8.371	75	106632	19.660	ug/l	97
37) Ethyl Acetate	7.559	43	101122	19.072	ug/l	98
38) Carbon Tetrachloride	8.365	117	107610	19.713	ug/l	100
39) Methylcyclohexane	9.600	83	119082	19.077	ug/l	90
40) Benzene	8.606	78	311458	19.238	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	60931	20.350	ug/l	96
42) 1,2-Dichloroethane	8.671	62	119325	20.904	ug/l	98
43) Isopropyl Acetate	8.688	43	178885	19.276	ug/l	98
44) Trichloroethene	9.353	130	80533	19.723	ug/l	91
45) 1,2-Dichloropropane	9.623	63	80053	19.684	ug/l	98
46) Dibromomethane	9.706	93	59912	20.900	ug/l	92
47) Bromodichloromethane	9.888	83	113803	20.449	ug/l #	94
48) Methyl methacrylate	9.682	41	83600	20.380	ug/l	93
49) 1,4-Dioxane	9.694	88	34741	384.248	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	549740	102.021	ug/l	98
52) Toluene	10.629	92	196313	20.073	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	123716	20.546	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	132688	20.413	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	84205	21.712	ug/l	95
56) Ethyl methacrylate	10.876	69	114370	20.537	ug/l	92
57) 1,3-Dichloropropane	11.165	76	136240	20.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	283308	94.576	ug/l	91
59) 2-Hexanone	11.194	43	407617	101.187	ug/l	98
60) Dibromochloromethane	11.359	129	82039	20.540	ug/l	99
61) 1,2-Dibromoethane	11.470	107	84149	20.912	ug/l	97
64) Tetrachloroethene	11.106	164	75730	19.692	ug/l	89
65) Chlorobenzene	11.894	112	206265	19.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	75594	19.960	ug/l	97
67) Ethyl Benzene	11.965	91	363326	19.488	ug/l	99
68) m/p-Xylenes	12.070	106	286264	40.800	ug/l	93
69) o-Xylene	12.400	106	136972	20.143	ug/l	95
70) Styrene	12.412	104	227429	21.105	ug/l	96
71) Bromoform	12.582	173	53399	20.309	ug/l #	98
73) Isopropylbenzene	12.700	105	351198	19.194	ug/l	98
74) N-amyl acetate	12.494	43	148821	19.385	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	107962	19.120	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	104534m	19.532	ug/l	
77) Bromobenzene	12.982	156	82594	19.039	ug/l	79
78) n-propylbenzene	13.035	91	435793	20.137	ug/l	97
79) 2-Chlorotoluene	13.129	91	252050	19.054	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	305644	20.208	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	38641m	20.150	ug/l	
82) 4-Chlorotoluene	13.223	91	252366	19.315	ug/l	97
83) tert-Butylbenzene	13.441	119	247324	19.074	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	309207	20.178	ug/l	98
85) sec-Butylbenzene	13.617	105	359428	19.160	ug/l	95
86) p-Isopropyltoluene	13.729	119	298292	19.828	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	156356	19.088	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	153694	18.772	ug/l	99
89) n-Butylbenzene	14.059	91	267084	19.360	ug/l	97
90) Hexachloroethane	14.341	117	51264	19.464	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	151798	19.314	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21864	18.094	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	79648	18.959	ug/l	97
94) Hexachlorobutadiene	15.505	225	31825	18.334	ug/l	94
95) Naphthalene	15.641	128	284989	19.065	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	79484	18.657	ug/l	95

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

