

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078681.D
 Acq On : 28 Jul 2023 13:37
 Operator : JC\MD
 Sample : VN0728WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728WBS02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

07/31/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 29 00:46:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	710028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1233159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1076744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	413741	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	503770	52.924	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.840%	
35) Dibromofluoromethane	8.177	113	440644	52.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.280%	
50) Toluene-d8	10.571	98	1533066	48.479	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	12.853	95	513572	52.725	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.440%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	157278	18.067	ug/l	98
3) Chloromethane	2.371	50	165348	17.475	ug/l	100
4) Vinyl Chloride	2.518	62	150216	12.273	ug/l	98
5) Bromomethane	2.953	94	178405	20.068	ug/l	94
6) Chloroethane	3.118	64	109673	13.406	ug/l	97
7) Trichlorofluoromethane	3.500	101	254150	17.370	ug/l	98
8) Diethyl Ether	3.971	74	102347	20.995	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.383	101	141010	18.206	ug/l	96
10) Methyl Iodide	4.594	142	194056	18.233	ug/l	99
11) Tert butyl alcohol	5.541	59	175099	119.293	ug/l	97
12) 1,1-Dichloroethene	4.347	96	138463	18.481	ug/l	93
13) Acrolein	4.189	56	140368	97.199	ug/l	96
14) Allyl chloride	5.030	41	222234	21.708	ug/l #	82
15) Acrylonitrile	5.736	53	426501	115.003	ug/l	99
16) Acetone	4.447	43	308699	104.112	ug/l	100
17) Carbon Disulfide	4.724	76	373256	17.229	ug/l	96
18) Methyl Acetate	5.047	43	283535	22.589	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	510752	20.691	ug/l	99
20) Methylene Chloride	5.289	84	183496	20.863	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	151769	17.976	ug/l #	81
22) Diisopropyl ether	6.688	45	495776	21.628	ug/l #	89
23) Vinyl Acetate	6.618	43	1552762	106.550	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	299534	19.392	ug/l	98
25) 2-Butanone	7.500	43	536246	114.891	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	228313	18.072	ug/l	95
27) cis-1,2-Dichloroethene	7.500	96	187174	19.164	ug/l	90
28) Bromochloromethane	7.824	49	165898	22.803	ug/l	89
29) Tetrahydrofuran	7.853	42	351545	114.786	ug/l #	83
30) Chloroform	7.977	83	313167	19.474	ug/l	97
31) Cyclohexane	8.265	56	239648	18.629	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	262467	18.204	ug/l	99
36) 1,1-Dichloropropene	8.377	75	217759	18.016	ug/l	98
37) Ethyl Acetate	7.577	43	214937	21.332	ug/l	98
38) Carbon Tetrachloride	8.371	117	234298	17.835	ug/l	100
39) Methylcyclohexane	9.612	83	201403	18.255	ug/l	88
40) Benzene	8.618	78	718736	20.071	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	115283	22.443	ug/l	92
42) 1,2-Dichloroethane	8.682	62	237544	19.503	ug/l	100
43) Isopropyl Acetate	8.700	43	386264	23.284	ug/l #	93
44) Trichloroethene	9.359	130	170910	17.709	ug/l	99
45) 1,2-Dichloropropane	9.629	63	191584	21.124	ug/l	96
46) Dibromomethane	9.718	93	125841	19.714	ug/l	89
47) Bromodichloromethane	9.894	83	245824	19.211	ug/l	95
48) Methyl methacrylate	9.688	41	161380	20.998	ug/l #	85
49) 1,4-Dioxane	9.706	88	72404	431.992	ug/l #	84
51) 4-Methyl-2-Pentanone	10.453	43	1099366	111.416	ug/l	97
52) Toluene	10.635	92	428170	19.293	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	265886	20.283	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	294788	21.096	ug/l	99
55) 1,1,2-Trichloroethane	11.023	97	181408	20.746	ug/l	94
56) Ethyl methacrylate	10.882	69	265245	21.700	ug/l #	87
57) 1,3-Dichloropropane	11.170	76	309571	20.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	499149	114.587	ug/l	90
59) 2-Hexanone	11.200	43	782863	111.634	ug/l	94
60) Dibromochloromethane	11.365	129	195605	20.263	ug/l	100
61) 1,2-Dibromoethane	11.476	107	182159	20.223	ug/l	98
64) Tetrachloroethene	11.112	164	136357	16.844	ug/l	97
65) Chlorobenzene	11.900	112	448867	18.650	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	177487	19.169	ug/l	97
67) Ethyl Benzene	11.970	91	757909	18.630	ug/l	96
68) m/p-Xylenes	12.076	106	560743	37.280	ug/l	94
69) o-Xylene	12.406	106	273980	18.034	ug/l	90
70) Styrene	12.417	104	450100	18.937	ug/l	98
71) Bromoform	12.582	173	129056	20.581	ug/l #	100
73) Isopropylbenzene	12.700	105	684423	17.605	ug/l	100
74) N-amyl acetate	12.500	43	261628	19.528	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	258814	22.107	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	209317m	20.930	ug/l	
77) Bromobenzene	12.988	156	166284	18.701	ug/l	93
78) n-propylbenzene	13.041	91	732143	17.609	ug/l	99
79) 2-Chlorotoluene	13.129	91	500053	18.362	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	562149	18.301	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	73558	19.328	ug/l #	85
82) 4-Chlorotoluene	13.229	91	457353	18.002	ug/l	98
83) tert-Butylbenzene	13.441	119	466974	17.906	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	547247	18.341	ug/l	100
85) sec-Butylbenzene	13.623	105	573061	17.384	ug/l	99
86) p-Isopropyltoluene	13.735	119	462383	17.469	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	259774	17.406	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	252973	16.828	ug/l	97
89) n-Butylbenzene	14.064	91	326834	17.257	ug/l	97
90) Hexachloroethane	14.341	117	92460	18.491	ug/l	78
91) 1,2-Dichlorobenzene	14.111	146	261463	17.604	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40284	20.512	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	67530	14.246	ug/l	99
94) Hexachlorobutadiene	15.506	225	60802	22.520	ug/l	99
95) Naphthalene	15.647	128	200589	12.378	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	77277	14.178	ug/l	99

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

