

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078512.D
 Acq On : 14 Jul 2023 11:07
 Operator : JC\MD
 Sample : VN0714WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 15 03:58:03 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	8.230	168	423054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	721606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	652448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	260094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304239	53.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.280%			
35) Dibromofluoromethane	8.177	113	264483	53.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.980%			
50) Toluene-d8	10.571	98	951105	51.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	297122	52.127	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	92754	17.882	ug/l	99
3) Chloromethane	2.371	50	117583	20.857	ug/l	96
4) Vinyl Chloride	2.518	62	138428	18.981	ug/l	98
5) Bromomethane	2.959	94	102043	19.043	ug/l	95
6) Chloroethane	3.124	64	89168	19.022	ug/l	97
7) Trichlorofluoromethane	3.500	101	167304	19.191	ug/l	95
8) Diethyl Ether	3.971	74	59010	20.316	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	95048	20.596	ug/l	97
10) Methyl Iodide	4.595	142	123673	19.502	ug/l	98
11) Tert butyl alcohol	5.530	59	88392	101.070	ug/l	99
12) 1,1-Dichloroethene	4.347	96	85313	19.111	ug/l	87
13) Acrolein	4.189	56	94160	109.431	ug/l	95
14) Allyl chloride	5.030	41	112717	18.479	ug/l	93
15) Acrylonitrile	5.736	53	234820	106.269	ug/l	99
16) Acetone	4.447	43	181041	102.476	ug/l	100
17) Carbon Disulfide	4.718	76	218961	16.963	ug/l	97
18) Methyl Acetate	5.036	43	153014	20.460	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	307336	20.896	ug/l	97
20) Methylene Chloride	5.289	84	110233	21.045	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	97581	19.398	ug/l	95
22) Diisopropyl ether	6.683	45	291200	21.320	ug/l	95
23) Vinyl Acetate	6.618	43	888508	102.326	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	185565	20.163	ug/l	98
25) 2-Butanone	7.494	43	293858	105.667	ug/l	87
26) 2,2-Dichloropropane	7.506	77	153132	20.343	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	115882	19.913	ug/l	94
28) Bromochloromethane	7.824	49	85355	19.690	ug/l	93
29) Tetrahydrofuran	7.853	42	186152	102.013	ug/l	86
30) Chloroform	7.977	83	200826	20.959	ug/l	95
31) Cyclohexane	8.265	56	138935	18.126	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	174931	20.363	ug/l	99
36) 1,1-Dichloropropene	8.377	75	136631	19.317	ug/l	98
37) Ethyl Acetate	7.571	43	121724	20.645	ug/l #	94
38) Carbon Tetrachloride	8.365	117	154494	20.098	ug/l	98
39) Methylcyclohexane	9.606	83	125614	19.456	ug/l	93
40) Benzene	8.612	78	431917	20.612	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	65298	21.724	ug/l	91
42) 1,2-Dichloroethane	8.677	62	152233	21.359	ug/l	97
43) Isopropyl Acetate	8.694	43	207954	21.422	ug/l	94
44) Trichloroethene	9.359	130	104318	18.471	ug/l	96
45) 1,2-Dichloropropane	9.629	63	109532	20.639	ug/l	99
46) Dibromomethane	9.718	93	80137	21.454	ug/l	93
47) Bromodichloromethane	9.894	83	160170	21.391	ug/l	98
48) Methyl methacrylate	9.688	41	93785	20.854	ug/l	90
49) 1,4-Dioxane	9.706	88	42115	429.407	ug/l	89
51) 4-Methyl-2-Pentanone	10.453	43	628861	108.913	ug/l	94
52) Toluene	10.635	92	263446	20.285	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	158671	20.685	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	172625	21.112	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	112088	21.906	ug/l	96
56) Ethyl methacrylate	10.882	69	149082	20.843	ug/l	89
57) 1,3-Dichloropropane	11.171	76	180713	20.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.171	63	267987	105.133	ug/l	92
59) 2-Hexanone	11.200	43	443900	108.172	ug/l	90
60) Dibromochloromethane	11.365	129	121190	21.454	ug/l	99
61) 1,2-Dibromoethane	11.476	107	111414	21.137	ug/l	98
64) Tetrachloroethene	11.112	164	98466	20.074	ug/l	99
65) Chlorobenzene	11.900	112	282924	19.400	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	109272	19.477	ug/l	96
67) Ethyl Benzene	11.970	91	487437	19.773	ug/l	99
68) m/p-Xylenes	12.076	106	371521	40.762	ug/l	100
69) o-Xylene	12.406	106	180049	19.558	ug/l	97
70) Styrene	12.418	104	289268	20.085	ug/l	98
71) Bromoform	12.582	173	78086	20.551	ug/l #	98
73) Isopropylbenzene	12.700	105	446228	18.258	ug/l	99
74) N-amyl acetate	12.500	43	156894	18.628	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	157097	21.232	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	123664m	19.670	ug/l	
77) Bromobenzene	12.988	156	110871	19.932	ug/l	95
78) n-propylbenzene	13.041	91	490728	18.775	ug/l	99
79) 2-Chlorotoluene	13.129	91	320695	18.732	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	366315	18.970	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	41799	17.472	ug/l #	79
82) 4-Chlorotoluene	13.229	91	300285	18.802	ug/l	98
83) tert-Butylbenzene	13.441	119	302660	18.461	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	366876	19.560	ug/l	99
85) sec-Butylbenzene	13.623	105	390198	18.830	ug/l	100
86) p-Isopropyltoluene	13.735	119	315626	18.968	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	178141	18.987	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	170193	18.009	ug/l	98
89) n-Butylbenzene	14.064	91	229016	19.236	ug/l	98
90) Hexachloroethane	14.335	117	61254	19.531	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	178873	19.157	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24408	19.698	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	47876	16.066	ug/l	94
94) Hexachlorobutadiene	15.506	225	32539	18.500	ug/l	99
95) Naphthalene	15.653	128	144776	14.211	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	57089	16.661	ug/l	98

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

