

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078476.D
 Acq On : 12 Jul 2023 12:40
 Operator : JC\MD
 Sample : VN0712WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

Quant Time: Jul 13 02:02:02 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	434742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	740068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	656592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304962	52.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.660%			
35) Dibromofluoromethane	8.171	113	264571	52.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.320%			
50) Toluene-d8	10.577	98	975422	51.396	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	296014	50.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	90887	17.051	ug/l	96
3) Chloromethane	2.371	50	104850	18.098	ug/l	99
4) Vinyl Chloride	2.518	62	135169	18.036	ug/l	96
5) Bromomethane	2.959	94	94995	16.732	ug/l	99
6) Chloroethane	3.130	64	83079	17.060	ug/l	96
7) Trichlorofluoromethane	3.501	101	164602	18.373	ug/l	99
8) Diethyl Ether	3.971	74	58197	19.498	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	91881	19.375	ug/l	97
10) Methyl Iodide	4.601	142	119823	18.387	ug/l	93
11) Tert butyl alcohol	5.542	59	88079	98.005	ug/l	98
12) 1,1-Dichloroethene	4.348	96	85404	18.617	ug/l	98
13) Acrolein	4.189	56	88895	100.535	ug/l	93
14) Allyl chloride	5.036	41	122544	19.550	ug/l	95
15) Acrylonitrile	5.736	53	225875	99.472	ug/l	98
16) Acetone	4.442	43	170510	93.920	ug/l	97
17) Carbon Disulfide	4.724	76	224938	16.957	ug/l	98
18) Methyl Acetate	5.042	43	151638	19.731	ug/l	91
19) Methyl tert-butyl Ether	5.812	73	295679	19.563	ug/l	98
20) Methylene Chloride	5.289	84	107712	19.949	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	96568	18.681	ug/l	94
22) Diisopropyl ether	6.683	45	282434	20.123	ug/l #	92
23) Vinyl Acetate	6.618	43	884136	99.085	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	177391	18.756	ug/l	95
25) 2-Butanone	7.494	43	289182	101.190	ug/l	94
26) 2,2-Dichloropropane	7.494	77	146032	18.879	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	114649	19.172	ug/l	92
28) Bromochloromethane	7.824	49	92143	20.685	ug/l	93
29) Tetrahydrofuran	7.853	42	184992	98.652	ug/l	86
30) Chloroform	7.977	83	189351	19.230	ug/l	93
31) Cyclohexane	8.265	56	144504	18.346	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	170659	19.332	ug/l	99
36) 1,1-Dichloropropene	8.377	75	135931	18.739	ug/l	97
37) Ethyl Acetate	7.571	43	120479	19.924	ug/l	94
38) Carbon Tetrachloride	8.371	117	147331	18.688	ug/l	95
39) Methylcyclohexane	9.606	83	127394	19.240	ug/l	94
40) Benzene	8.612	78	414051	19.267	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	64715	20.993	ug/l	92
42) 1,2-Dichloroethane	8.677	62	146637	20.061	ug/l	99
43) Isopropyl Acetate	8.694	43	205802	20.672	ug/l	95
44) Trichloroethene	9.359	130	109221	18.857	ug/l	99
45) 1,2-Dichloropropane	9.630	63	108100	19.861	ug/l	98
46) Dibromomethane	9.718	93	78028	20.368	ug/l	93
47) Bromodichloromethane	9.894	83	154348	20.099	ug/l	97
48) Methyl methacrylate	9.688	41	94996	20.596	ug/l	85
49) 1,4-Dioxane	9.700	88	41568	413.256	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	619046	104.538	ug/l	93
52) Toluene	10.635	92	266404	20.001	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	157341	20.000	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	171862	20.494	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	108698	20.713	ug/l	94
56) Ethyl methacrylate	10.877	69	149087	20.324	ug/l	90
57) 1,3-Dichloropropane	11.171	76	175546	19.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	258023	98.699	ug/l	93
59) 2-Hexanone	11.200	43	433949	103.109	ug/l	91
60) Dibromochloromethane	11.365	129	114974	19.846	ug/l	98
61) 1,2-Dibromoethane	11.477	107	110611	20.461	ug/l	100
64) Tetrachloroethene	11.112	164	98022	19.857	ug/l	95
65) Chlorobenzene	11.894	112	276345	18.829	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	110706	19.608	ug/l	97
67) Ethyl Benzene	11.971	91	465678	18.771	ug/l	97
68) m/p-Xylenes	12.076	106	364241	39.711	ug/l	99
69) o-Xylene	12.406	106	178104	19.224	ug/l	98
70) Styrene	12.418	104	284938	19.659	ug/l	98
71) Bromoform	12.582	173	75805	19.825	ug/l #	100
73) Isopropylbenzene	12.700	105	438102	17.974	ug/l	99
74) N-amyl acetate	12.500	43	148249	17.649	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	152188	20.530	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	119848m	19.115	ug/l	
77) Bromobenzene	12.988	156	106219	19.084	ug/l	97
78) n-propylbenzene	13.041	91	480907	18.449	ug/l	99
79) 2-Chlorotoluene	13.129	91	311708	18.256	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	349226	18.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	49492	20.743	ug/l #	89
82) 4-Chlorotoluene	13.229	91	286645	17.997	ug/l	98
83) tert-Butylbenzene	13.441	119	293166	17.930	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	349302	18.673	ug/l	100
85) sec-Butylbenzene	13.623	105	380394	18.406	ug/l	100
86) p-Isopropyltoluene	13.735	119	298855	18.009	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	177300	18.948	ug/l	95
88) 1,4-Dichlorobenzene	13.818	146	169968	18.034	ug/l	97
89) n-Butylbenzene	14.065	91	217479	18.316	ug/l	97
90) Hexachloroethane	14.335	117	59640	19.048	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	177152	19.024	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23415	18.871	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	49602	16.690	ug/l	99
94) Hexachlorobutadiene	15.506	225	30399	17.044	ug/l	96
95) Naphthalene	15.647	128	147935	14.561	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	57586	16.852	ug/l	99

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

