

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078037.D
 Acq On : 05 Jun 2023 12:11
 Operator : JC\MD
 Sample : VN0605WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0605WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 01:58:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	357310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	641286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	546107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	267259	49.990	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.980%		
35) Dibromofluoromethane	8.171	113	235070	56.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.420%		
50) Toluene-d8	10.571	98	856353	53.203	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.400%		
62) 4-Bromofluorobenzene	12.853	95	276723	48.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	62214	15.299	ug/l	92
3) Chloromethane	2.371	50	67183	14.304	ug/l	96
4) Vinyl Chloride	2.524	62	87311	17.030	ug/l	98
5) Bromomethane	2.965	94	73545	19.396	ug/l	94
6) Chloroethane	3.130	64	64794	17.536	ug/l	98
7) Trichlorofluoromethane	3.506	101	135500	18.964	ug/l	97
8) Diethyl Ether	3.977	74	48410	18.559	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.389	101	78162	19.767	ug/l	98
10) Methyl Iodide	4.600	142	94524	20.045	ug/l	92
11) Tert butyl alcohol	5.530	59	58646	79.484	ug/l	99
12) 1,1-Dichloroethene	4.353	96	69891	18.597	ug/l	90
13) Acrolein	4.189	56	28556	37.826	ug/l	94
14) Allyl chloride	5.036	41	92087	16.680	ug/l	95
15) Acrylonitrile	5.736	53	174217	88.380	ug/l	98
16) Acetone	4.436	43	161137	95.800	ug/l	94
17) Carbon Disulfide	4.718	76	154542	15.262	ug/l	96
18) Methyl Acetate	5.042	43	131257	18.601	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	256074	18.825	ug/l	98
20) Methylene Chloride	5.289	84	87266	18.696	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	77049	18.252	ug/l #	75
22) Diisopropyl ether	6.683	45	241210	18.640	ug/l	93
23) Vinyl Acetate	6.612	43	683549	85.256	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	154042	19.430	ug/l	97
25) 2-Butanone	7.494	43	226815	86.203	ug/l	88
26) 2,2-Dichloropropane	7.500	77	134855	20.022	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	98772	19.514	ug/l	92
28) Bromochloromethane	7.818	49	65080	18.981	ug/l	91
29) Tetrahydrofuran	7.847	42	137358	79.726	ug/l	88
30) Chloroform	7.977	83	168904	19.368	ug/l	91
31) Cyclohexane	8.259	56	122086	16.802	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	152692	20.594	ug/l	97
36) 1,1-Dichloropropene	8.377	75	117879	19.272	ug/l	98
37) Ethyl Acetate	7.571	43	91740	16.828	ug/l	94
38) Carbon Tetrachloride	8.365	117	130938	21.200	ug/l	96
39) Methylcyclohexane	9.606	83	134432	17.953	ug/l	90
40) Benzene	8.612	78	358310	19.852	ug/l	99

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41) Methacrylonitrile	7.782	41	49301	16.981	ug/l	94
42) 1,2-Dichloroethane	8.677	62	125333	19.116	ug/l	99
43) Isopropyl Acetate	8.694	43	167064	18.761	ug/l	96
44) Trichloroethene	9.359	130	92817	20.309	ug/l	96
45) 1,2-Dichloropropane	9.624	63	92512	20.094	ug/l	97
46) Dibromomethane	9.712	93	65228	19.800	ug/l	95
47) Bromodichloromethane	9.894	83	135139	21.426	ug/l	99
48) Methyl methacrylate	9.688	41	71667	16.975	ug/l	93
49) 1,4-Dioxane	9.700	88	28411	356.294	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	480616	90.801	ug/l	93
52) Toluene	10.635	92	229298	20.406	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	137541	20.593	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	145097	19.713	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	95102	21.315	ug/l	99
56) Ethyl methacrylate	10.876	69	125679	18.630	ug/l	92
57) 1,3-Dichloropropane	11.165	76	151574	19.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	245364	73.932	ug/l	94
59) 2-Hexanone	11.200	43	336371	85.917	ug/l	93
60) Dibromochloromethane	11.365	129	101150	21.961	ug/l	100
61) 1,2-Dibromoethane	11.476	107	93409	20.986	ug/l	94
64) Tetrachloroethene	11.106	164	78251	20.490	ug/l	94
65) Chlorobenzene	11.894	112	251049	21.205	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	95179	23.235	ug/l	97
67) Ethyl Benzene	11.970	91	434840	20.496	ug/l	99
68) m/p-Xylenes	12.076	106	334683	41.633	ug/l	98
69) o-Xylene	12.406	106	163788	20.717	ug/l	95
70) Styrene	12.418	104	258369	20.572	ug/l	98
71) Bromoform	12.582	173	63498	23.301	ug/l #	96
73) Isopropylbenzene	12.700	105	425409	21.730	ug/l	98
74) N-amyl acetate	12.494	43	126459	17.476	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	127773	21.216	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	98272m	17.278	ug/l	
77) Bromobenzene	12.982	156	93479	20.924	ug/l	98
78) n-propylbenzene	13.041	91	487473	21.121	ug/l	100
79) 2-Chlorotoluene	13.129	91	292857	21.265	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	367035	22.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	31429	17.664	ug/l #	85
82) 4-Chlorotoluene	13.223	91	279107	20.369	ug/l	99
83) tert-Butylbenzene	13.441	119	323262	22.505	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	355451	21.966	ug/l	98
85) sec-Butylbenzene	13.623	105	437671	21.440	ug/l	99
86) p-Isopropyltoluene	13.735	119	360895	22.176	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	161420	19.538	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	159186	19.416	ug/l	99
89) n-Butylbenzene	14.059	91	292384	19.533	ug/l	98
90) Hexachloroethane	14.335	117	62927	23.537	ug/l	88
91) 1,2-Dichlorobenzene	14.111	146	164955	21.372	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18774	16.101	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	61940	13.733	ug/l	100
94) Hexachlorobutadiene	15.506	225	39689	21.193	ug/l	97
95) Naphthalene	15.647	128	163912	10.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	64245	14.548	ug/l	95

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

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