

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074956.D
 Acq On : 21 Oct 2022 12:49
 Operator : JC\MD
 Sample : VN1021WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 02:51:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	439852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	777918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	849014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	551593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	556246	47.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.200%		
35) Dibromofluoromethane	8.171	113	432766	46.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	10.571	98	1708293	48.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.180%		
62) 4-Bromofluorobenzene	12.847	95	583298	46.548	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	121503	17.671	ug/l	91
3) Chloromethane	2.371	50	149114	19.507	ug/l	94
4) Vinyl Chloride	2.524	62	217666	19.429	ug/l	98
5) Bromomethane	2.936	94	169465	18.310	ug/l	99
6) Chloroethane	3.118	64	170101	19.751	ug/l	92
7) Trichlorofluoromethane	3.500	101	227769	19.309	ug/l	99
8) Diethyl Ether	3.977	74	91907	17.631	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	136320	19.463	ug/l	99
10) Methyl Iodide	4.600	142	174688	17.762	ug/l	98
11) Tert butyl alcohol	5.536	59	231756	93.800	ug/l	100
12) 1,1-Dichloroethene	4.353	96	114552	18.298	ug/l	94
13) Acrolein	4.194	56	129881	103.273	ug/l	96
14) Allyl chloride	5.041	41	167653	15.665	ug/l	89
15) Acrylonitrile	5.736	53	475230	95.084	ug/l	98
16) Acetone	4.447	43	408588	94.020	ug/l	96
17) Carbon Disulfide	4.718	76	234478	17.905	ug/l	98
18) Methyl Acetate	5.047	43	274053	18.465	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	535111	18.858	ug/l	99
20) Methylene Chloride	5.283	84	155976	18.938	ug/l	88
21) trans-1,2-Dichloroethene	5.800	96	135150	18.819	ug/l	89
22) Diisopropyl ether	6.688	45	457201	18.668	ug/l	97
23) Vinyl Acetate	6.618	43	1868958m	96.944	ug/l	
24) 1,1-Dichloroethane	6.577	63	281256	18.572	ug/l	98
25) 2-Butanone	7.494	43	637655	89.568	ug/l	100
26) 2,2-Dichloropropane	7.506	77	260948	18.233	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	185161	18.861	ug/l	98
28) Bromochloromethane	7.818	49	128379	20.345	ug/l	98
29) Tetrahydrofuran	7.847	42	394742	89.902	ug/l	99
30) Chloroform	7.971	83	315618	18.445	ug/l	100
31) Cyclohexane	8.259	56	214457	17.962	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	277197	18.003	ug/l	95
36) 1,1-Dichloropropene	8.377	75	205216	17.599	ug/l	97
37) Ethyl Acetate	7.565	43	252534	18.392	ug/l	99
38) Carbon Tetrachloride	8.365	117	235199	18.529	ug/l #	88
39) Methylcyclohexane	9.606	83	240873	17.434	ug/l	96
40) Benzene	8.612	78	661501	18.401	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	121464	17.624	ug/l	99
42) 1,2-Dichloroethane	8.677	62	246097	18.085	ug/l	99
43) Isopropyl Acetate	8.694	43	399250	18.747	ug/l	99
44) Trichloroethene	9.353	130	158395	17.952	ug/l	99
45) 1,2-Dichloropropane	9.624	63	175291	18.918	ug/l #	88
46) Dibromomethane	9.712	93	126038	18.601	ug/l	98
47) Bromodichloromethane	9.888	83	259602	18.966	ug/l	97
48) Methyl methacrylate	9.682	41	178265	19.143	ug/l	99
49) 1,4-Dioxane	9.694	88	97307	361.413	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1342561	95.170	ug/l	100
52) Toluene	10.629	92	435225	18.553	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	263845	19.538	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	277800	18.602	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	188285	19.127	ug/l	99
56) Ethyl methacrylate	10.876	69	282157	19.034	ug/l	96
57) 1,3-Dichloropropane	11.165	76	317758	19.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	584515	90.022	ug/l	100
59) 2-Hexanone	11.200	43	1013953	94.775	ug/l	99
60) Dibromochloromethane	11.359	129	184573	17.861	ug/l	97
61) 1,2-Dibromoethane	11.470	107	190764	19.219	ug/l	96
64) Tetrachloroethene	11.106	164	119438	17.203	ug/l	94
65) Chlorobenzene	11.894	112	472191	18.394	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	182533	18.865	ug/l	98
67) Ethyl Benzene	11.965	91	850065	18.650	ug/l	94
68) m/p-Xylenes	12.070	106	664325	37.379	ug/l	98
69) o-Xylene	12.400	106	332521	18.678	ug/l	95
70) Styrene	12.412	104	541291	19.182	ug/l	99
71) Bromoform	12.576	173	128986	17.663	ug/l #	97
73) Isopropylbenzene	12.700	105	860521	19.100	ug/l	99
74) N-amyl acetate	12.494	43	341771	18.879	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	319855	19.010	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	275217m	18.399	ug/l	
77) Bromobenzene	12.982	156	187311	18.129	ug/l	99
78) n-propylbenzene	13.035	91	999033	18.946	ug/l	98
79) 2-Chlorotoluene	13.123	91	608156	18.619	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	730179	18.762	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	86189	18.474	ug/l	95
82) 4-Chlorotoluene	13.123	91	608156	18.619	ug/l	97
83) tert-Butylbenzene	13.441	119	659316	19.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	740298	18.834	ug/l	97
85) sec-Butylbenzene	13.617	105	927587	19.183	ug/l	100
86) p-Isopropyltoluene	13.729	119	757846	19.030	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	373244	18.882	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	379014	18.912	ug/l	97
89) n-Butylbenzene	14.059	91	642629	18.897	ug/l	99
90) Hexachloroethane	14.335	117	141926	18.394	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	375187	18.517	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	66962	19.153	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	167627	19.011	ug/l	99
94) Hexachlorobutadiene	15.506	225	80248	17.628	ug/l	95
95) Naphthalene	15.641	128	630677	18.820	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	161879	18.242	ug/l	97

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

