

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076907.D
 Acq On : 09 Mar 2023 17:15
 Operator : JC\MD
 Sample : VN0309WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 03:48:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	438441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	729571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	643884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	289685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	293566	47.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.520%		
35) Dibromofluoromethane	8.172	113	227895	49.933	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.860%		
50) Toluene-d8	10.572	98	861938	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.854	95	317726	52.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	106984	20.970	ug/l	98
3) Chloromethane	2.378	50	72006	10.731	ug/l	100
4) Vinyl Chloride	2.531	62	71089	11.558	ug/l	94
5) Bromomethane	2.966	94	54354	13.449	ug/l	93
6) Chloroethane	3.131	64	42807	11.273	ug/l	98
7) Trichlorofluoromethane	3.513	101	182091	20.291	ug/l	95
8) Diethyl Ether	3.978	74	64247	18.611	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.390	101	100148	19.087	ug/l	97
10) Methyl Iodide	4.607	142	80739	14.753	ug/l	98
11) Tert butyl alcohol	5.537	59	83762	91.762	ug/l	100
12) 1,1-Dichloroethene	4.360	96	92540	18.914	ug/l	90
13) Acrolein	4.190	56	98860	83.718	ug/l	98
14) Allyl chloride	5.037	41	148438m	18.172	ug/l	
15) Acrylonitrile	5.737	53	260594	88.770	ug/l	98
16) Acetone	4.437	43	247298	92.164	ug/l	95
17) Carbon Disulfide	4.725	76	237343	17.868	ug/l	99
18) Methyl Acetate	5.043	43	154386	16.791	ug/l #	88
19) Methyl tert-butyl Ether	5.807	73	334896	19.961	ug/l	96
20) Methylene Chloride	5.290	84	109425	17.479	ug/l #	87
21) trans-1,2-Dichloroethene	5.801	96	98458	18.611	ug/l	89
22) Diisopropyl ether	6.690	45	321845	17.513	ug/l	94
23) Vinyl Acetate	6.613	43	1166346m	99.638	ug/l	
24) 1,1-Dichloroethane	6.578	63	194176	18.529	ug/l	95
25) 2-Butanone	7.489	43	336187	85.771	ug/l	89
26) 2,2-Dichloropropane	7.501	77	164319	21.411	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	117651	18.984	ug/l	88
28) Bromochloromethane	7.819	49	59491	13.425	ug/l	86
29) Tetrahydrofuran	7.848	42	212364	83.987	ug/l	85
30) Chloroform	7.972	83	207424	19.929	ug/l	99
31) Cyclohexane	8.266	56	182771	17.601	ug/l	84
32) 1,1,1-Trichloroethane	8.178	97	189749	21.052	ug/l	98
36) 1,1-Dichloropropene	8.378	75	146125	19.920	ug/l	96
37) Ethyl Acetate	7.566	43	132760	17.632	ug/l	95
38) Carbon Tetrachloride	8.372	117	162712	21.835	ug/l	99
39) Methylcyclohexane	9.607	83	177514	19.633	ug/l #	88
40) Benzene	8.613	78	438320	19.616	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	74538	18.128	ug/l #	85
42) 1,2-Dichloroethane	8.672	62	164688	21.157	ug/l	94
43) Isopropyl Acetate	8.695	43	215812	18.723	ug/l	92
44) Trichloroethene	9.354	130	109200	20.611	ug/l	98
45) 1,2-Dichloropropane	9.625	63	111259	19.268	ug/l	93
46) Dibromomethane	9.713	93	74543	20.325	ug/l	95
47) Bromodichloromethane	9.889	83	158742	21.054	ug/l	96
48) Methyl methacrylate	9.683	41	105355	18.810	ug/l #	82
49) 1,4-Dioxane	9.701	88	39755	387.242	ug/l #	84
51) 4-Methyl-2-Pentanone	10.448	43	687297	94.530	ug/l	93
52) Toluene	10.630	92	280154	21.056	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	161133	22.047	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	175033	20.850	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	107541	20.318	ug/l	97
56) Ethyl methacrylate	10.878	69	166262	21.083	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	188652	20.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	277478	101.550	ug/l	93
59) 2-Hexanone	11.195	43	499997	94.903	ug/l	92
60) Dibromochloromethane	11.366	129	115222	22.092	ug/l	99
61) 1,2-Dibromoethane	11.472	107	106275	20.891	ug/l	99
64) Tetrachloroethene	11.107	164	102524	21.396	ug/l	98
65) Chlorobenzene	11.895	112	282251	20.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	108431	21.542	ug/l	99
67) Ethyl Benzene	11.966	91	533163	21.102	ug/l	96
68) m/p-Xylenes	12.072	106	398567	41.928	ug/l	88
69) o-Xylene	12.401	106	196854	21.029	ug/l	85
70) Styrene	12.413	104	324554	22.113	ug/l	93
71) Bromoform	12.583	173	80051	23.364	ug/l #	97
73) Isopropylbenzene	12.701	105	517380	20.489	ug/l	97
74) N-amyl acetate	12.495	43	181931	18.422	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.942	83	151961	18.778	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	139440m	19.086	ug/l	
77) Bromobenzene	12.983	156	113693	20.347	ug/l	90
78) n-propylbenzene	13.036	91	604917	21.007	ug/l	96
79) 2-Chlorotoluene	13.130	91	375370	20.321	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	455684	21.532	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.742	75	42259	19.077	ug/l #	86
82) 4-Chlorotoluene	13.224	91	357275	20.402	ug/l	92
83) tert-Butylbenzene	13.442	119	382937	21.174	ug/l	92
84) 1,2,4-Trimethylbenzene	13.483	105	454043	21.750	ug/l	92
85) sec-Butylbenzene	13.618	105	535530	21.209	ug/l	97
86) p-Isopropyltoluene	13.730	119	436380	21.608	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	211531	20.733	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	207046	19.986	ug/l	95
89) n-Butylbenzene	14.060	91	354468	20.316	ug/l	98
90) Hexachloroethane	14.336	117	74363	20.380	ug/l	84
91) 1,2-Dichlorobenzene	14.107	146	211427	20.457	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	31945	20.832	ug/l	85
93) 1,2,4-Trichlorobenzene	15.395	180	110755	21.421	ug/l	96
94) Hexachlorobutadiene	15.501	225	61572	22.872	ug/l	98
95) Naphthalene	15.642	128	355682	21.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	113052	22.246	ug/l	100

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

