

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011821\
 Data File : VN065541.D
 Acq On : 18 Jan 2021 13:09
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/19/2021 6:07:18 PM

Quant Time: Jan 18 15:48:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 18 15:39:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	254373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	369068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	340869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	172478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	42638	15.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	31.02%#		
35) Dibromofluoromethane	7.553	113	38802	17.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	35.06%#		
50) Toluene-d8	10.061	98	145742	17.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	35.12%#		
62) 4-Bromofluorobenzene	12.376	95	52379	16.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	33.68%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.849	85	36200	16.02	ug/l	97
3) Chloromethane	2.055	50	45482	17.43	ug/l	100
4) Vinyl Chloride	2.181	62	49563	18.05	ug/l	97
5) Bromomethane	2.534	94	35944	18.30	ug/l	99
6) Chloroethane	2.682	64	32680	18.42	ug/l	99
7) Trichlorofluoromethane	3.001	101	67541	16.67	ug/l	98
8) Diethyl Ether	3.386	74	27170	16.77	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.724	101	40559	17.58	ug/l	94
10) Methyl Iodide	3.917	142	63847	18.25	ug/l	91
11) Tert butyl alcohol	4.782	59	27518	63.86	ug/l	99
12) 1,1-Dichloroethene	3.701	96	41007	16.68	ug/l	93
13) Acrolein	3.579	56	33200	98.23	ug/l	100
14) Allyl chloride	4.280	41	56355	14.35	ug/l	97
15) Acrylonitrile	4.949	53	90805	82.22	ug/l	100
16) Acetone	3.795	43	74831	60.27	ug/l	91
17) Carbon Disulfide	4.013	76	96712	15.69	ug/l	99
18) Methyl Acetate	4.296	43	41066	16.44	ug/l	100
19) Methyl tert-butyl Ether	5.013	73	118151	15.37	ug/l	97
20) Methylene Chloride	4.512	84	44908	16.25	ug/l	95
21) trans-1,2-Dichloroethene	4.991	96	41455	17.22	ug/l	97
22) Diisopropyl ether	5.917	45	120453	15.21	ug/l	97
23) Vinyl Acetate	5.859	43	476316	72.23	ug/l	99
24) 1,1-Dichloroethane	5.804	63	73891	16.86	ug/l	99
25) 2-Butanone	6.804	43	111908	72.99	ug/l	94
26) 2,2-Dichloropropane	6.782	77	59732	14.47	ug/l	99
27) cis-1,2-Dichloroethene	6.788	96	47829	17.02	ug/l	95
28) Bromochloromethane	7.155	49	30277	16.23	ug/l	86
29) Tetrahydrofuran	7.184	42	74585	74.39	ug/l	95
30) Chloroform	7.335	83	74915	16.59	ug/l	99
31) Cyclohexane	7.614	56	63296	15.46	ug/l	98
32) 1,1,1-Trichloroethane	7.531	97	63695	15.69	ug/l	98
36) 1,1-Dichloropropene	7.756	75	55766	16.90	ug/l	97
37) Ethyl Acetate	6.897	43	47796	14.98	ug/l	97
38) Carbon Tetrachloride	7.737	117	56031	16.26	ug/l	99
39) Methylcyclohexane	9.049	83	64840	16.42	ug/l	96
40) Benzene	8.007	78	174039	17.56	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.132	41	25657m	15.46	ug/l	
42) 1,2-Dichloroethane	8.090	62	57351	16.00	ug/l	99
43) Isopropyl Acetate	8.135	43	78246	14.32	ug/l	97
44) Trichloroethene	8.804	130	51366	17.89	ug/l	91
45) 1,2-Dichloropropane	9.087	63	44745	17.42	ug/l	100
46) Dibromomethane	9.177	93	30518	17.49	ug/l	89
47) Bromodichloromethane	9.370	83	57365	15.82	ug/l	99
48) Methyl methacrylate	9.171	41	39126	14.64	ug/l	97
49) 1,4-Dioxane	9.174	88	11958	280.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.955	43	239232	77.05	ug/l	97
52) Toluene	10.126	92	111113	17.77	ug/l	99
53) t-1,3-Dichloropropene	10.354	75	63607	15.54	ug/l	100
54) cis-1,3-Dichloropropene	9.811	75	70993	16.22	ug/l	95
55) 1,1,2-Trichloroethane	10.534	97	43993	17.77	ug/l	97
56) Ethyl methacrylate	10.402	69	60082	15.88	ug/l	96
57) 1,3-Dichloropropane	10.679	76	73136	17.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.663	63	144833	86.70	ug/l	98
59) 2-Hexanone	10.724	43	170323	74.94	ug/l	96
60) Dibromochloromethane	10.872	129	47876	16.31	ug/l	98
61) 1,2-Dibromoethane	10.978	107	46254	17.40	ug/l	100
64) Tetrachloroethene	10.602	164	58873	17.88	ug/l	94
65) Chlorobenzene	11.405	112	125279	18.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.483	131	46633	17.42	ug/l	99
67) Ethyl Benzene	11.483	91	206660	16.76	ug/l	97
68) m/p-Xylenes	11.595	106	166266	35.48	ug/l	96
69) o-Xylene	11.920	106	79764	17.56	ug/l	96
70) Styrene	11.936	104	133360	17.58	ug/l	97
71) Bromoform	12.100	173	36973	16.15	ug/l #	99
73) Isopropylbenzene	12.222	105	205793	16.00	ug/l	98
74) N-amyl acetate	12.045	43	65023	13.12	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.479	83	60570	17.33	ug/l	99
76) 1,2,3-Trichloropropane	12.527	75	60174m	17.21	ug/l	
77) Bromobenzene	12.499	156	60039	17.62	ug/l	86
78) n-propylbenzene	12.566	91	228211	15.76	ug/l	95
79) 2-Chlorotoluene	12.646	91	139162	16.31	ug/l	94
80) 1,3,5-Trimethylbenzene	12.708	105	177255	16.13	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.273	75	18811	14.11	ug/l	94
82) 4-Chlorotoluene	12.746	91	143314	16.24	ug/l	94
83) tert-Butylbenzene	12.968	119	153946	16.42	ug/l	97
84) 1,2,4-Trimethylbenzene	13.013	105	177774	16.59	ug/l	98
85) sec-Butylbenzene	13.145	105	199406	16.08	ug/l	97
86) p-Isopropyltoluene	13.264	119	185306	16.21	ug/l	97
87) 1,3-Dichlorobenzene	13.257	146	101457	17.75	ug/l	97
88) 1,4-Dichlorobenzene	13.338	146	101693	17.74	ug/l	98
89) n-Butylbenzene	13.589	91	144546	14.97	ug/l	98
90) Hexachloroethane	13.849	117	29157	15.05	ug/l	78
91) 1,2-Dichlorobenzene	13.627	146	101359	18.43	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.244	75	10816	15.32	ug/l	84
93) 1,2,4-Trichlorobenzene	14.881	180	53368	19.06	ug/l	97
94) Hexachlorobutadiene	14.981	225	35708	16.60	ug/l	99
95) Naphthalene	15.103	128	129155	17.70	ug/l	100
96) 1,2,3-Trichlorobenzene	15.283	180	53243	19.81	ug/l	98

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

