

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011821\
 Data File : VN065540.D
 Acq On : 18 Jan 2021 12:44
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/19/2021 6:07:16 PM

Quant Time: Jan 18 15:47:43 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	244259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	357842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	327431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	150807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	12227	4.63	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.26%#		
35) Dibromofluoromethane	7.553	113	11161	5.20	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.40%#		
50) Toluene-d8	10.061	98	41131	5.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.22%#		
62) 4-Bromofluorobenzene	12.373	95	14208	4.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.42%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.846	85	10758	4.96	ug/l	97
3) Chloromethane	2.052	50	13384	5.34	ug/l	100
4) Vinyl Chloride	2.181	62	14428	5.47	ug/l	96
5) Bromomethane	2.525	94	11864	6.29	ug/l	100
6) Chloroethane	2.679	64	8951	5.25	ug/l	96
7) Trichlorofluoromethane	2.997	101	19015	4.89	ug/l	88
8) Diethyl Ether	3.386	74	7775	5.00	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.727	101	11308	5.10	ug/l	94
10) Methyl Iodide	3.910	142	16506	4.91	ug/l	90
11) Tert butyl alcohol	4.779	59	6975	16.86	ug/l #	73
12) 1,1-Dichloroethene	3.701	96	12040	5.10	ug/l	94
13) Acrolein	3.576	56	5874	18.10	ug/l	95
14) Allyl chloride	4.280	41	15396	4.08	ug/l	99
15) Acrylonitrile	4.952	53	24223	22.84	ug/l	98
16) Acetone	3.791	43	20248	16.98	ug/l #	86
17) Carbon Disulfide	4.007	76	28550	4.82	ug/l	97
18) Methyl Acetate	4.296	43	11585	4.83	ug/l	99
19) Methyl tert-butyl Ether	5.007	73	31877	4.32	ug/l	99
20) Methylene Chloride	4.508	84	13436	5.06	ug/l	95
21) trans-1,2-Dichloroethene	4.994	96	11359	4.91	ug/l	96
22) Diisopropyl ether	5.920	45	32516	4.28	ug/l	95
23) Vinyl Acetate	5.859	43	124783	19.71	ug/l	99
24) 1,1-Dichloroethane	5.801	63	19723	4.69	ug/l	97
25) 2-Butanone	6.807	43	28753	19.53	ug/l	92
26) 2,2-Dichloropropane	6.782	77	16395	4.14	ug/l	98
27) cis-1,2-Dichloroethene	6.788	96	12991	4.81	ug/l	97
28) Bromochloromethane	7.155	49	8630	4.82	ug/l #	89
29) Tetrahydrofuran	7.184	42	19798	20.56	ug/l	97
30) Chloroform	7.335	83	20433	4.71	ug/l	97
31) Cyclohexane	7.614	56	19763	5.03	ug/l #	79
32) 1,1,1-Trichloroethane	7.534	97	17352	4.45	ug/l	99
36) 1,1-Dichloropropene	7.753	75	15133	4.73	ug/l	97
37) Ethyl Acetate	6.901	43	14375	4.65	ug/l #	95
38) Carbon Tetrachloride	7.737	117	15253	4.57	ug/l	96
39) Methylcyclohexane	9.045	83	17592	4.59	ug/l	98
40) Benzene	8.004	78	48311	5.03	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.145	41	6735	4.19	ug/l #	75
42) 1,2-Dichloroethane	8.090	62	15505	4.46	ug/l	96
43) Isopropyl Acetate	8.132	43	20576	3.88	ug/l	97
44) Trichloroethene	8.801	130	14023	5.04	ug/l	94
45) 1,2-Dichloropropane	9.084	63	12255	4.92	ug/l	97
46) Dibromomethane	9.174	93	8377	4.95	ug/l	91
47) Bromodichloromethane	9.373	83	14905	4.24	ug/l	97
48) Methyl methacrylate	9.171	41	9933	3.83	ug/l	96
49) 1,4-Dioxane	9.174	88	3032	73.41	ug/l #	86
51) 4-Methyl-2-Pentanone	9.955	43	62482	20.75	ug/l	99
52) Toluene	10.126	92	29864	4.92	ug/l	99
53) t-1,3-Dichloropropene	10.354	75	15701	3.96	ug/l	98
54) cis-1,3-Dichloropropene	9.807	75	18053	4.25	ug/l	96
55) 1,1,2-Trichloroethane	10.534	97	11956	4.98	ug/l	96
56) Ethyl methacrylate	10.402	69	14823	4.04	ug/l	99
57) 1,3-Dichloropropane	10.679	76	19759	4.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.663	63	37253	23.00	ug/l	98
59) 2-Hexanone	10.727	43	42813	19.43	ug/l	98
60) Dibromochloromethane	10.875	129	12155	4.27	ug/l	100
61) 1,2-Dibromoethane	10.978	107	12635	4.90	ug/l	99
64) Tetrachloroethene	10.601	164	16989	5.37	ug/l	94
65) Chlorobenzene	11.405	112	34317	5.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.479	131	12031	4.68	ug/l	96
67) Ethyl Benzene	11.482	91	54599	4.61	ug/l	100
68) m/p-Xylenes	11.595	106	43436	9.65	ug/l	96
69) o-Xylene	11.923	106	20395	4.67	ug/l	100
70) Styrene	11.936	104	32774	4.50	ug/l	99
71) Bromoform	12.100	173	8944	4.07	ug/l #	97
73) Isopropylbenzene	12.222	105	52331	4.65	ug/l	97
74) N-amyl acetate	12.045	43	16081	3.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.476	83	16210	5.30	ug/l	97
76) 1,2,3-Trichloropropane	12.527	75	14854m	4.86	ug/l	
77) Bromobenzene	12.499	156	15477	5.20	ug/l	87
78) n-propylbenzene	12.566	91	57336	4.53	ug/l	97
79) 2-Chlorotoluene	12.646	91	35886	4.81	ug/l	96
80) 1,3,5-Trimethylbenzene	12.708	105	43952	4.57	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.277	75	4259	3.65	ug/l	88
82) 4-Chlorotoluene	12.746	91	36803	4.77	ug/l	96
83) tert-Butylbenzene	12.968	119	38634	4.71	ug/l	96
84) 1,2,4-Trimethylbenzene	13.013	105	43208	4.61	ug/l	99
85) sec-Butylbenzene	13.145	105	49090	4.53	ug/l	98
86) p-Isopropyltoluene	13.264	119	44233	4.43	ug/l	98
87) 1,3-Dichlorobenzene	13.257	146	25250	5.05	ug/l	96
88) 1,4-Dichlorobenzene	13.338	146	25370	5.06	ug/l	95
89) n-Butylbenzene	13.589	91	34888	4.13	ug/l	98
90) Hexachloroethane	13.846	117	6846	4.04	ug/l	74
91) 1,2-Dichlorobenzene	13.627	146	25420	5.29	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.241	75	2136	3.46	ug/l	71
93) 1,2,4-Trichlorobenzene	14.884	180	10322	4.22	ug/l	97
94) Hexachlorobutadiene	14.981	225	9653	5.13	ug/l	97
95) Naphthalene	15.106	128	23208	3.64	ug/l	97
96) 1,2,3-Trichlorobenzene	15.286	180	10420	4.43	ug/l	98

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

