

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065345.D
 Acq On : 31 Dec 2020 15:05
 Operator : JC/MD
 Sample : VN1231WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1231WBSD02

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 9:29:47 AM

Quant Time: Jan 01 01:50:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.630	168	292213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	436199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	402743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	188674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	158055	47.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.82%		
35) Dibromofluoromethane	7.556	113	133097	50.58	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.16%		
50) Toluene-d8	10.061	98	496093	50.30	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.60%		
62) 4-Bromofluorobenzene	12.376	95	177137	45.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.76%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.849	85	47336	17.51	ug/l	98
3) Chloromethane	2.055	50	57835	18.79	ug/l	99
4) Vinyl Chloride	2.180	62	60975	19.05	ug/l	98
5) Bromomethane	2.541	94	43782	19.24	ug/l	100
6) Chloroethane	2.685	64	38881	18.79	ug/l	99
7) Trichlorofluoromethane	3.000	101	82142	17.15	ug/l	98
8) Diethyl Ether	3.393	74	35390	18.77	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.724	101	48514	18.06	ug/l	100
10) Methyl Iodide	3.913	142	70454	17.36	ug/l	94
11) Tert butyl alcohol	4.785	59	50783	94.08	ug/l	99
12) 1,1-Dichloroethene	3.704	96	49000	17.07	ug/l	98
13) Acrolein	3.579	56	33231	92.56	ug/l	96
14) Allyl chloride	4.280	41	79363	16.77	ug/l	98
15) Acrylonitrile	4.949	53	131040	100.46	ug/l	100
16) Acetone	3.795	43	113423	74.38	ug/l	96
17) Carbon Disulfide	4.010	76	120226	16.37	ug/l	100
18) Methyl Acetate	4.296	43	59986	20.25	ug/l	97
19) Methyl tert-butyl Ether	5.013	73	164094	18.00	ug/l	100
20) Methylene Chloride	4.512	84	55634	17.29	ug/l	98
21) trans-1,2-Dichloroethene	4.994	96	51563	18.30	ug/l	96
22) Diisopropyl ether	5.920	45	172445	18.31	ug/l	95
23) Vinyl Acetate	5.859	43	717657	90.42	ug/l	99
24) 1,1-Dichloroethane	5.804	63	94891	18.37	ug/l	98
25) 2-Butanone	6.804	43	172530	93.16	ug/l	98
26) 2,2-Dichloropropane	6.778	77	78732	15.95	ug/l	100
27) cis-1,2-Dichloroethene	6.788	96	61934	18.89	ug/l	97
28) Bromochloromethane	7.158	49	38551	16.84	ug/l	96
29) Tetrahydrofuran	7.183	42	115228	96.22	ug/l	99
30) Chloroform	7.335	83	98321	18.49	ug/l	100
31) Cyclohexane	7.614	56	83168	17.07	ug/l	95
32) 1,1,1-Trichloroethane	7.534	97	83917	17.42	ug/l	98
36) 1,1-Dichloropropene	7.756	75	72139	18.19	ug/l	98
37) Ethyl Acetate	6.897	43	73166	18.61	ug/l	99
38) Carbon Tetrachloride	7.736	117	69314	16.64	ug/l	98
39) Methylcyclohexane	9.048	83	84489	17.73	ug/l	98
40) Benzene	8.007	78	223187	18.92	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.135	41	37718	18.44	ug/l #	85
42) 1,2-Dichloroethane	8.090	62	77898	17.87	ug/l	98
43) Isopropyl Acetate	8.135	43	122313	18.05	ug/l	100
44) Trichloroethene	8.804	130	64381	18.90	ug/l	95
45) 1,2-Dichloropropane	9.087	63	60157	19.61	ug/l	99
46) Dibromomethane	9.177	93	39803	19.11	ug/l	93
47) Bromodichloromethane	9.373	83	79072	18.00	ug/l	99
48) Methyl methacrylate	9.171	41	59460	18.08	ug/l	98
49) 1,4-Dioxane	9.171	88	21530	403.89	ug/l	95
51) 4-Methyl-2-Pentanone	9.955	43	367390	96.44	ug/l	100
52) Toluene	10.125	92	140607	18.91	ug/l	98
53) t-1,3-Dichloropropene	10.354	75	86037	17.38	ug/l	99
54) cis-1,3-Dichloropropene	9.810	75	93187	17.72	ug/l	97
55) 1,1,2-Trichloroethane	10.534	97	58284	19.81	ug/l	95
56) Ethyl methacrylate	10.402	69	84615	18.57	ug/l	96
57) 1,3-Dichloropropane	10.678	76	96718	19.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.666	63	178183	89.89	ug/l	100
59) 2-Hexanone	10.724	43	264365	94.40	ug/l	99
60) Dibromochloromethane	10.875	129	63450	18.09	ug/l	99
61) 1,2-Dibromoethane	10.978	107	61788	19.56	ug/l	98
64) Tetrachloroethene	10.601	164	73301	18.74	ug/l	94
65) Chlorobenzene	11.405	112	154330	18.82	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.482	131	58542	18.35	ug/l	98
67) Ethyl Benzene	11.486	91	267888	18.13	ug/l	100
68) m/p-Xylenes	11.595	106	206414	37.09	ug/l	99
69) o-Xylene	11.923	106	99583	18.43	ug/l	99
70) Styrene	11.939	104	167878	18.62	ug/l	99
71) Bromoform	12.100	173	48740	17.75	ug/l #	99
73) Isopropylbenzene	12.222	105	261201	18.18	ug/l	100
74) N-amyl acetate	12.045	43	101243	17.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.479	83	79373	20.48	ug/l	98
76) 1,2,3-Trichloropropane	12.527	75	78027m	20.27	ug/l	
77) Bromobenzene	12.498	156	72644	19.34	ug/l	92
78) n-propylbenzene	12.566	91	288361	17.77	ug/l	98
79) 2-Chlorotoluene	12.649	91	174270	18.24	ug/l	97
80) 1,3,5-Trimethylbenzene	12.707	105	223872	18.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.277	75	24762	16.22	ug/l #	88
82) 4-Chlorotoluene	12.746	91	176603	17.95	ug/l	97
83) tert-Butylbenzene	12.968	119	189879	18.19	ug/l	100
84) 1,2,4-Trimethylbenzene	13.013	105	223584	18.74	ug/l	99
85) sec-Butylbenzene	13.145	105	247559	17.87	ug/l	99
86) p-Isopropyltoluene	13.264	119	226531	17.84	ug/l	99
87) 1,3-Dichlorobenzene	13.257	146	118457	18.86	ug/l	97
88) 1,4-Dichlorobenzene	13.338	146	119132	18.90	ug/l	98
89) n-Butylbenzene	13.588	91	185505	17.09	ug/l	99
90) Hexachloroethane	13.849	117	36728	16.82	ug/l	85
91) 1,2-Dichlorobenzene	13.627	146	118620	19.67	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.244	75	14794	18.53	ug/l	90
93) 1,2,4-Trichlorobenzene	14.881	180	57610	17.38	ug/l	98
94) Hexachlorobutadiene	14.984	225	41095	17.26	ug/l	98
95) Naphthalene	15.103	128	146586	17.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.283	180	56061	18.36	ug/l	98

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

