

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\
 Data File : VN055693.D
 Acq On : 21 May 2019 1:08
 Operator : JC/SP
 Sample : VN0520WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 12:38:38 PM

Quant Time: May 21 05:42:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	353908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	505813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	169032	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	
35) Dibromofluoromethane	7.59	113	161417	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	10.09	98	582539	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	194812	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	46049	16.911	ug/l	98
3) Chloromethane	2.06	50	59649	16.423	ug/l	99
4) Vinyl Chloride	2.18	62	67497	17.162	ug/l	96
5) Bromomethane	2.53	94	36052	14.384	ug/l	96
6) Chloroethane	2.69	64	39868	18.257	ug/l	99
7) Trichlorofluoromethane	3.02	101	90791	18.015	ug/l	99
8) Diethyl Ether	3.41	74	37320	18.433	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	54471	17.728	ug/l	96
10) Methyl Iodide	3.95	142	50136	11.319	ug/l	99
11) Tert butyl alcohol	4.78	59	70172	96.994	ug/l	99
12) 1,1-Dichloroethene	3.74	96	56749	17.558	ug/l	95
13) Acrolein	3.61	56	26907	73.877	ug/l	98
14) Allyl chloride	4.33	41	87488	16.767	ug/l	99
15) Acrylonitrile	4.99	53	149515	92.890	ug/l	99
16) Acetone	3.81	43	122473	77.357	ug/l	98
17) Carbon Disulfide	4.06	76	144035	16.031	ug/l	100
18) Methyl Acetate	4.32	43	65926	19.423	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	195013	18.238	ug/l	97
20) Methylene Chloride	4.55	84	65608	18.158	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	61049	17.731	ug/l	93
22) Diisopropyl ether	5.95	45	181799	17.583	ug/l	94
23) Vinyl Acetate	5.89	43	765036	87.202	ug/l	98
24) 1,1-Dichloroethane	5.85	63	107160	17.676	ug/l	99
25) 2-Butanone	6.83	43	194668	87.939	ug/l	96
26) 2,2-Dichloropropane	6.82	77	71454	13.280	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	73463	18.323	ug/l	93
28) Bromochloromethane	7.20	49	45459	17.236	ug/l	88
29) Tetrahydrofuran	7.21	42	130685	89.108	ug/l	95
30) Chloroform	7.37	83	112098	18.013	ug/l	99
31) Cyclohexane	7.66	56	95771	16.645	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	101849	18.247	ug/l	97
36) 1,1-Dichloropropene	7.79	75	79402	17.607	ug/l	98
37) Ethyl Acetate	6.93	43	80467	19.774	ug/l	98
38) Carbon Tetrachloride	7.78	117	90593	18.799	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94204	17.329	ug/l	97
40) Benzene	8.04	78	257924	19.445	ug/l	98
41) Methacrylonitrile	7.17	41	31180m	17.921	ug/l	
42) 1,2-Dichloroethane	8.12	62	83278	19.389	ug/l	99
43) Isopropyl Acetate	8.16	43	147375	20.820	ug/l	98
44) Trichloroethene	8.84	130	74611	19.934	ug/l	96
45) 1,2-Dichloropropane	9.12	63	66062	18.906	ug/l	100
46) Dibromomethane	9.21	93	45532	19.909	ug/l	93
47) Bromodichloromethane	9.40	83	89773	18.729	ug/l	99
48) Methyl methacrylate	9.20	41	59589	18.834	ug/l	95
49) 1,4-Dioxane	9.20	88	28748	457.263	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	395315	95.206	ug/l	98
52) Toluene	10.16	92	164965	19.829	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	91620	17.759	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	103700	18.348	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67005	19.564	ug/l	99
56) Ethyl methacrylate	10.43	69	100536	18.804	ug/l	97
57) 1,3-Dichloropropane	10.71	76	104469	19.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187135	82.375	ug/l	97
59) 2-Hexanone	10.75	43	273151	93.437	ug/l	98
60) Dibromochloromethane	10.90	129	79258	20.418	ug/l	99
61) 1,2-Dibromoethane	11.01	107	69237	20.204	ug/l	98
64) Tetrachloroethene	10.63	164	75136	21.685	ug/l	99
65) Chlorobenzene	11.43	112	175041	19.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72979	20.417	ug/l	99
67) Ethyl Benzene	11.51	91	304114	19.213	ug/l	99
68) m/p-Xylenes	11.62	106	233738	39.104	ug/l	97
69) o-Xylene	11.95	106	118171	20.213	ug/l	94
70) Styrene	11.96	104	190455	19.593	ug/l	98
71) Bromoform	12.13	173	63191	20.861	ug/l #	100
73) Isopropylbenzene	12.25	105	306796	22.442	ug/l	98
74) N-amyl acetate	12.07	43	103590	20.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	93484	22.060	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	80160m	21.359	ug/l	
77) Bromobenzene	12.53	156	82043	21.720	ug/l	91
78) n-propylbenzene	12.59	91	311293	19.059	ug/l	98
79) 2-Chlorotoluene	12.68	91	196222	21.489	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	253116	21.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25263	17.303	ug/l	99
82) 4-Chlorotoluene	12.77	91	183227	19.040	ug/l	97
83) tert-Butylbenzene	12.99	119	228295	22.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	251957	21.905	ug/l	99
85) sec-Butylbenzene	13.17	105	278066	21.390	ug/l	99
86) p-Isopropyltoluene	13.29	119	256006	21.361	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	125962	20.168	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118485	19.869	ug/l	99
89) n-Butylbenzene	13.61	91	181177	17.951	ug/l	98
90) Hexachloroethane	13.87	117	50890	22.059	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	127792	20.526	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16193	19.400	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54066	17.061	ug/l	98
94) Hexachlorobutadiene	15.01	225	47674	23.373	ug/l	100
95) Naphthalene	15.13	128	155792	17.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	60549	18.273	ug/l	98

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

