

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056799.D
 Acq On : 17 Jul 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:39 AM

Quant Time: Jul 18 09:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	484795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203162	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	172560	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	152869	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.09	98	583653	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	201359	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	131743	44.192	ug/l	99
3) Chloromethane	2.06	50	174678	43.582	ug/l	99
4) Vinyl Chloride	2.18	62	174097	45.107	ug/l	99
5) Bromomethane	2.55	94	96703	42.606	ug/l	99
6) Chloroethane	2.69	64	100126	44.518	ug/l	96
7) Trichlorofluoromethane	3.01	101	230814	46.606	ug/l	100
8) Diethyl Ether	3.41	74	94470	48.927	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141267	47.478	ug/l	100
10) Methyl Iodide	3.95	142	166465	41.828	ug/l	98
11) Tert butyl alcohol	4.79	59	150633	257.697	ug/l	99
12) 1,1-Dichloroethene	3.73	96	137950	46.222	ug/l	99
13) Acrolein	3.61	56	38705	196.262	ug/l	99
14) Allyl chloride	4.32	41	247515	47.956	ug/l	99
15) Acrylonitrile	4.99	53	431993	255.912	ug/l	100
16) Acetone	3.82	43	369454	228.296	ug/l	98
17) Carbon Disulfide	4.05	76	347828	44.103	ug/l	99
18) Methyl Acetate	4.33	43	181384	49.903	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	461276	48.508	ug/l	98
20) Methylene Chloride	4.55	84	167559	47.379	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151094	47.894	ug/l	97
22) Diisopropyl ether	5.95	45	504137	49.485	ug/l	97
23) Vinyl Acetate	5.90	43	2140069	259.227	ug/l	100
24) 1,1-Dichloroethane	5.85	63	286817	48.559	ug/l	99
25) 2-Butanone	6.84	43	586083	247.712	ug/l	100
26) 2,2-Dichloropropane	6.83	77	207764	48.784	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	179702	49.503	ug/l	100
28) Bromochloromethane	7.20	49	139635	50.280	ug/l	100
29) Tetrahydrofuran	7.21	42	391866	253.937	ug/l	99
30) Chloroform	7.37	83	283398	47.947	ug/l	99
31) Cyclohexane	7.65	56	264527	47.119	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	231225	49.466	ug/l	100
36) 1,1-Dichloropropene	7.79	75	211423	47.128	ug/l	99
37) Ethyl Acetate	6.93	43	232386	52.558	ug/l	99
38) Carbon Tetrachloride	7.78	117	200821	47.734	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	264828	47.809	ug/l	99
40) Benzene	8.04	78	659423	47.973	ug/l	99
41) Methacrylonitrile	7.17	41	103549	53.316	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	210899	48.547	ug/l	100
43) Isopropyl Acetate	8.17	43	354389	50.984	ug/l	100
44) Trichloroethene	8.83	130	177819	47.638	ug/l	100
45) 1,2-Dichloropropane	9.12	63	178712	48.929	ug/l	100
46) Dibromomethane	9.21	93	112660	49.774	ug/l	99
47) Bromodichloromethane	9.40	83	214790	49.938	ug/l	98
48) Methyl methacrylate	9.20	41	171859	51.125	ug/l	99
49) 1,4-Dioxane	9.20	88	73415	1064.358	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1149448	255.318	ug/l	100
52) Toluene	10.16	92	408460	50.036	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232429	51.796	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	264621	50.817	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	166503	48.629	ug/l	99
56) Ethyl methacrylate	10.43	69	261522	53.084	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279209	49.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	603353	254.682	ug/l	99
59) 2-Hexanone	10.75	43	845659	261.785	ug/l	100
60) Dibromochloromethane	10.90	129	172160	51.126	ug/l	98
61) 1,2-Dibromoethane	11.01	107	174243	51.207	ug/l	99
64) Tetrachloroethene	10.63	164	171790	45.325	ug/l	98
65) Chlorobenzene	11.43	112	435768	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162501	49.131	ug/l	99
67) Ethyl Benzene	11.51	91	771740	48.884	ug/l	99
68) m/p-Xylenes	11.62	106	585157	99.179	ug/l	99
69) o-Xylene	11.95	106	283304	48.842	ug/l	100
70) Styrene	11.96	104	484203	51.634	ug/l	100
71) Bromoform	12.13	173	130080	51.689	ug/l #	99
73) Isopropylbenzene	12.25	105	754275	46.045	ug/l	100
74) N-amyl acetate	12.07	43	293314	48.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	242474	51.162	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217827m	49.022	ug/l	
77) Bromobenzene	12.53	156	198648	46.363	ug/l	98
78) n-propylbenzene	12.59	91	838400	46.101	ug/l	100
79) 2-Chlorotoluene	12.67	91	504790	50.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637200	45.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72494	50.385	ug/l	99
82) 4-Chlorotoluene	12.77	91	493605	46.250	ug/l	99
83) tert-Butylbenzene	12.99	119	541172	50.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639705	47.164	ug/l	100
85) sec-Butylbenzene	13.17	105	712233	46.167	ug/l	99
86) p-Isopropyltoluene	13.29	119	652300	46.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324931	46.275	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	319091	46.718	ug/l	100
89) n-Butylbenzene	13.61	91	539574	47.931	ug/l	100
90) Hexachloroethane	13.87	117	106649	47.189	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	331283	46.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43455	49.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171991	43.841	ug/l	100
94) Hexachlorobutadiene	15.01	225	113705	50.405	ug/l	98
95) Naphthalene	15.13	128	455894	42.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	173671	44.481	ug/l	99

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

