

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053586.D
 Acq On : 4 Feb 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:53:41 AM

Quant Time: Feb 05 01:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	909183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	451534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	347607	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	336697	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.09	98	1238518	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	423368	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	390391	48.909	ug/l	100
3) Chloromethane	2.06	50	400237	47.608	ug/l	100
4) Vinyl Chloride	2.19	62	390903	47.899	ug/l	100
5) Bromomethane	2.57	94	253241	47.459	ug/l	98
6) Chloroethane	2.71	64	224866	48.217	ug/l	99
7) Trichlorofluoromethane	3.02	101	537768	48.593	ug/l	99
8) Diethyl Ether	3.41	74	182995	45.277	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	336531	49.169	ug/l	98
10) Methyl Iodide	3.96	142	500544	46.594	ug/l	100
11) Tert butyl alcohol	4.78	59	94457	224.670	ug/l	98
12) 1,1-Dichloroethene	3.74	96	315714	48.146	ug/l	98
13) Acrolein	3.61	56	161809	706.886	ug/l	99
14) Allyl chloride	4.32	41	497885	47.686	ug/l	99
15) Acrylonitrile	4.99	53	535360	235.876	ug/l	100
16) Acetone	3.81	43	499146	273.930	ug/l	100
17) Carbon Disulfide	4.06	76	955737	46.807	ug/l	100
18) Methyl Acetate	4.32	43	235693	43.676	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	781433	47.008	ug/l	99
20) Methylene Chloride	4.55	84	352428	46.101	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	332583	47.011	ug/l	99
22) Diisopropyl ether	5.95	45	952400	49.230	ug/l	97
23) Vinyl Acetate	5.90	43	3199899	239.097	ug/l	99
24) 1,1-Dichloroethane	5.85	63	612169	47.442	ug/l	99
25) 2-Butanone	6.83	43	625349	240.629	ug/l	98
26) 2,2-Dichloropropane	6.82	77	473468	48.067	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	374747	47.637	ug/l	99
28) Bromochloromethane	7.19	49	280264	50.050	ug/l	98
29) Tetrahydrofuran	7.21	42	381564	228.649	ug/l	98
30) Chloroform	7.37	83	604522	47.260	ug/l	99
31) Cyclohexane	7.65	56	567435	47.222	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	512690	48.162	ug/l	99
36) 1,1-Dichloropropene	7.79	75	467899	50.988	ug/l	99
37) Ethyl Acetate	6.92	43	244448	47.695	ug/l	98
38) Carbon Tetrachloride	7.77	117	462575	50.038	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	585139	53.746	ug/l	98
40) Benzene	8.04	78	1409784	49.818	ug/l	100
41) Methacrylonitrile	7.18	41	150800m	52.645	ug/l	
42) 1,2-Dichloroethane	8.12	62	417816	49.725	ug/l	100
43) Isopropyl Acetate	8.16	43	447566	45.218	ug/l #	90
44) Trichloroethene	8.83	130	400552	49.718	ug/l	99
45) 1,2-Dichloropropane	9.12	63	366156	50.588	ug/l	98
46) Dibromomethane	9.21	93	215226	49.327	ug/l	98
47) Bromodichloromethane	9.40	83	459608	50.663	ug/l	100
48) Methyl methacrylate	9.20	41	212493	44.975	ug/l	91
49) 1,4-Dioxane	9.20	88	64740	947.776	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1191727	245.017	ug/l	100
52) Toluene	10.16	92	855370	50.930	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	462169	50.876	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	544309	50.564	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	304504	50.315	ug/l	99
56) Ethyl methacrylate	10.43	69	352734	49.268	ug/l	99
57) 1,3-Dichloropropane	10.71	76	507500	49.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	981551	221.991	ug/l	99
59) 2-Hexanone	10.75	43	805365	243.907	ug/l	100
60) Dibromochloromethane	10.90	129	353397	51.782	ug/l	99
61) 1,2-Dibromoethane	11.00	107	289457	48.323	ug/l	100
64) Tetrachloroethene	10.63	164	388208	49.811	ug/l	98
65) Chlorobenzene	11.44	112	947561	49.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	336631	49.912	ug/l	100
67) Ethyl Benzene	11.51	91	1600416	50.449	ug/l	100
68) m/p-Xylenes	11.62	106	1262198	104.247	ug/l	99
69) o-Xylene	11.95	106	601123	51.390	ug/l	99
70) Styrene	11.96	104	991990	52.322	ug/l	100
71) Bromoform	12.13	173	239560	51.809	ug/l	99
73) Isopropylbenzene	12.25	105	1583741	49.894	ug/l	99
74) N-amyl acetate	12.07	43	357940	46.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	342229	45.050	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	282169m	48.653	ug/l	
77) Bromobenzene	12.53	156	418134	48.877	ug/l	97
78) n-propylbenzene	12.59	91	1877078	51.154	ug/l	100
79) 2-Chlorotoluene	12.68	91	1086698	49.917	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1373973	52.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98075	47.551	ug/l	99
82) 4-Chlorotoluene	12.77	91	1126617	50.433	ug/l	99
83) tert-Butylbenzene	12.99	119	1184679	50.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1396724	52.083	ug/l	99
85) sec-Butylbenzene	13.17	105	1635087	51.649	ug/l	100
86) p-Isopropyltoluene	13.29	119	1469904	53.089	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	765090	49.751	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	747380	49.130	ug/l	100
89) n-Butylbenzene	13.62	91	1284580	53.602	ug/l	100
90) Hexachloroethane	13.88	117	236284	51.738	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	727607	49.421	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50235	46.399	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	445827	52.799	ug/l	100
94) Hexachlorobutadiene	15.01	225	281978	53.623	ug/l	99
95) Naphthalene	15.13	128	868027	43.979	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	397456	50.730	ug/l	100

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

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