

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054817.D
 Acq On : 30 Mar 2019 21:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:31 PM

Quant Time: Mar 31 00:05:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	415064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	702921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	307376	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	239856	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.09	98	883895	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	298330	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202591	48.255	ug/l	100
3) Chloromethane	2.06	50	278966	48.056	ug/l	100
4) Vinyl Chloride	2.19	62	260888	50.045	ug/l	99
5) Bromomethane	2.57	94	88877	31.695	ug/l	99
6) Chloroethane	2.71	64	144768	49.732	ug/l	99
7) Trichlorofluoromethane	3.02	101	332593	51.894	ug/l	97
8) Diethyl Ether	3.41	74	115026	55.737	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163909	48.582	ug/l	95
10) Methyl Iodide	3.94	142	154524	33.456	ug/l #	88
11) Tert butyl alcohol	4.83	59	113115	388.019	ug/l	97
12) 1,1-Dichloroethene	3.73	96	172865	52.983	ug/l #	76
13) Acrolein	3.61	56	65984	253.188	ug/l	98
14) Allyl chloride	4.31	41	424138	52.777	ug/l #	91
15) Acrylonitrile	5.00	53	531379	327.940	ug/l	99
16) Acetone	3.82	43	371961	278.779	ug/l #	82
17) Carbon Disulfide	4.04	76	449703	42.496	ug/l	99
18) Methyl Acetate	4.33	43	240251	69.490	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	673456	59.009	ug/l	92
20) Methylene Chloride	4.54	84	248810	52.866	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	228228	53.256	ug/l	87
22) Diisopropyl ether	5.96	45	905889	56.994	ug/l #	93
23) Vinyl Acetate	5.90	43	3478782	314.507	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465445	54.895	ug/l	98
25) 2-Butanone	6.85	43	683371	346.488	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	244949	41.219	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	266517	55.052	ug/l	90
28) Bromochloromethane	7.20	49	241060	56.858	ug/l #	71
29) Tetrahydrofuran	7.22	42	465560	339.864	ug/l #	84
30) Chloroform	7.37	83	452106	55.920	ug/l	98
31) Cyclohexane	7.65	56	422202	54.849	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	377795	56.387	ug/l	96
36) 1,1-Dichloropropene	7.79	75	333618	50.935	ug/l	95
37) Ethyl Acetate	6.94	43	302246	62.926	ug/l #	94
38) Carbon Tetrachloride	7.77	117	318278	50.030	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346515	48.121	ug/l	87
40) Benzene	8.04	78	1016891	54.258	ug/l	100
41) Methacrylonitrile	7.18	41	167545	62.095	ug/l	90
42) 1,2-Dichloroethane	8.13	62	367124	54.861	ug/l	98
43) Isopropyl Acetate	8.17	43	510635	65.428	ug/l #	93
44) Trichloroethene	8.84	130	255134	52.442	ug/l	90
45) 1,2-Dichloropropane	9.12	63	284788	53.291	ug/l	99
46) Dibromomethane	9.21	93	166391	55.349	ug/l	89
47) Bromodichloromethane	9.41	83	348675	55.808	ug/l	98
48) Methyl methacrylate	9.20	41	262921	62.147	ug/l	87
49) 1,4-Dioxane	9.20	88	57318	1365.455	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	1495731	340.878	ug/l	93
52) Toluene	10.16	92	600930	53.885	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	328402	55.878	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388253	55.303	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232630	56.099	ug/l	96
56) Ethyl methacrylate	10.43	69	334406	61.476	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	407242	57.124	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	663664	281.855	ug/l #	89
59) 2-Hexanone	10.75	43	951568	338.763	ug/l	90
60) Dibromochloromethane	10.90	129	246565	58.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227971	57.527	ug/l	99
64) Tetrachloroethene	10.63	164	232692	49.332	ug/l	96
65) Chlorobenzene	11.44	112	620496	51.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	243156	53.979	ug/l	99
67) Ethyl Benzene	11.51	91	1128269	51.952	ug/l	97
68) m/p-Xylenes	11.62	106	830289	103.311	ug/l	94
69) o-Xylene	11.95	106	403729	51.229	ug/l	93
70) Styrene	11.97	104	685045	54.365	ug/l	97
71) Bromoform	12.13	173	159024	60.260	ug/l #	99
73) Isopropylbenzene	12.25	105	1075346	49.310	ug/l	97
74) N-amyl acetate	12.07	43	409866	60.327	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	308784	64.735	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	274875m	59.303	ug/l	
77) Bromobenzene	12.53	156	267711	50.864	ug/l	83
78) n-propylbenzene	12.59	91	1189114	49.610	ug/l	95
79) 2-Chlorotoluene	12.68	91	725967	48.956	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	882144	49.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	62289	52.273	ug/l #	84
82) 4-Chlorotoluene	12.77	91	714319	49.594	ug/l	95
83) tert-Butylbenzene	12.99	119	760727	55.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	872852	51.201	ug/l	96
85) sec-Butylbenzene	13.17	105	950937	48.920	ug/l	96
86) p-Isopropyltoluene	13.29	119	821134	47.895	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	441249	50.074	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	432034	49.988	ug/l	99
89) n-Butylbenzene	13.62	91	663700	47.448	ug/l	98
90) Hexachloroethane	13.88	117	141805	48.715	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	446638	50.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48537	65.105	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217280	50.678	ug/l	99
94) Hexachlorobutadiene	15.01	225	120271	47.250	ug/l	98
95) Naphthalene	15.13	128	555452	57.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	223235	51.555	ug/l	98

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

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