

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054794.D
 Acq On : 30 Mar 2019 11:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:53 PM

Quant Time: Mar 30 22:47:14 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	475457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	741277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	295513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	310885	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	243915	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.09	98	914262	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	317314	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226993	47.199	ug/l	98
3) Chloromethane	2.06	50	304384	45.774	ug/l	100
4) Vinyl Chloride	2.19	62	272757	45.676	ug/l	100
5) Bromomethane	2.57	94	153633	49.027	ug/l	98
6) Chloroethane	2.71	64	150253	45.060	ug/l	99
7) Trichlorofluoromethane	3.02	101	348153	47.422	ug/l	100
8) Diethyl Ether	3.41	74	112036	47.393	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183115	47.380	ug/l	93
10) Methyl Iodide	3.94	142	256852	48.547	ug/l #	87
11) Tert butyl alcohol	4.82	59	90069	269.720	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173698	46.476	ug/l #	70
13) Acrolein	3.61	56	80213	268.691	ug/l	96
14) Allyl chloride	4.32	41	436460	47.412	ug/l #	91
15) Acrylonitrile	4.99	53	478445	257.767	ug/l	100
16) Acetone	3.82	43	458036	299.685	ug/l #	81
17) Carbon Disulfide	4.04	76	564495	46.568	ug/l	100
18) Methyl Acetate	4.33	43	212902	53.546	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644749	49.318	ug/l	94
20) Methylene Chloride	4.54	84	248110	46.021	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	235826	48.040	ug/l	87
22) Diisopropyl ether	5.96	45	894066	49.105	ug/l #	94
23) Vinyl Acetate	5.90	43	3312240	261.414	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	468535	48.241	ug/l	98
25) 2-Butanone	6.85	43	663124	293.515	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	344577	50.618	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	267877	48.305	ug/l	87
28) Bromochloromethane	7.20	49	260722	53.684	ug/l #	71
29) Tetrahydrofuran	7.22	42	398464	253.935	ug/l #	85
30) Chloroform	7.37	83	449353	48.520	ug/l	98
31) Cyclohexane	7.65	56	448869	50.752	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	380791	49.615	ug/l	96
36) 1,1-Dichloropropene	7.79	75	344788	49.917	ug/l	96
37) Ethyl Acetate	6.94	43	265487	52.413	ug/l	95
38) Carbon Tetrachloride	7.77	117	324866	48.424	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	390822	51.466	ug/l	89
40) Benzene	8.04	78	1012671	51.237	ug/l	100
41) Methacrylonitrile	7.17	41	147836	51.956	ug/l	90
42) 1,2-Dichloroethane	8.13	62	360411	51.071	ug/l	97
43) Isopropyl Acetate	8.17	43	456222	55.432	ug/l #	94
44) Trichloroethene	8.84	130	264123	51.480	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282688	50.161	ug/l	98
46) Dibromomethane	9.21	93	163926	51.707	ug/l	87
47) Bromodichloromethane	9.40	83	341050	51.763	ug/l	97
48) Methyl methacrylate	9.20	41	236025	52.903	ug/l	87
49) 1,4-Dioxane	9.20	88	51521	1163.849	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1311323	283.388	ug/l	93
52) Toluene	10.16	92	606814	51.597	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336226	54.249	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	405425	54.761	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	223769	51.170	ug/l	96
56) Ethyl methacrylate	10.43	69	312812	54.530	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	392974	52.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	587403	238.223	ug/l #	89
59) 2-Hexanone	10.75	43	867385	292.816	ug/l	91
60) Dibromochloromethane	10.90	129	240489	54.289	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220329	52.722	ug/l	100
64) Tetrachloroethene	10.63	164	249560	49.618	ug/l	98
65) Chlorobenzene	11.43	112	639876	49.863	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239611	49.885	ug/l	99
67) Ethyl Benzene	11.51	91	1175663	50.769	ug/l	96
68) m/p-Xylenes	11.62	106	873159	101.889	ug/l	94
69) o-Xylene	11.95	106	420809	50.076	ug/l	95
70) Styrene	11.96	104	715733	53.268	ug/l	97
71) Bromoform	12.13	173	150642	53.534	ug/l #	99
73) Isopropylbenzene	12.25	105	1127956	46.698	ug/l	98
74) N-amyl acetate	12.07	43	386881	51.413	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	283658	53.389	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238205m	46.400	ug/l	
77) Bromobenzene	12.53	156	280084	48.046	ug/l	86
78) n-propylbenzene	12.59	91	1286027	48.442	ug/l	96
79) 2-Chlorotoluene	12.67	91	766720	46.682	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	945859	47.724	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68141	51.629	ug/l	86
82) 4-Chlorotoluene	12.77	91	767442	48.107	ug/l	96
83) tert-Butylbenzene	12.99	119	786442	51.266	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	940298	49.799	ug/l	97
85) sec-Butylbenzene	13.17	105	1037625	48.195	ug/l	97
86) p-Isopropyltoluene	13.29	119	928770	48.911	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	482991	49.487	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	470003	49.099	ug/l	99
89) n-Butylbenzene	13.61	91	807621	52.128	ug/l	97
90) Hexachloroethane	13.87	117	150641	46.724	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	468957	47.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42937	51.999	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247614	52.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	153261	54.693	ug/l	99
95) Naphthalene	15.13	128	542580	50.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	239376	49.913	ug/l	98

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

