

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054428.D
 Acq On : 19 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:15 AM

Quant Time: Mar 19 08:15:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1279560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2018760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1755231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	886634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	667065	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.59	113	658575	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.09	98	2391227	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	831417	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	558386	46.045	ug/l	98
3) Chloromethane	2.06	50	553966	47.027	ug/l	100
4) Vinyl Chloride	2.19	62	584708	43.428	ug/l	100
5) Bromomethane	2.57	94	374333	40.143	ug/l	97
6) Chloroethane	2.71	64	345292	42.386	ug/l	98
7) Trichlorofluoromethane	3.02	101	735750	41.102	ug/l	99
8) Diethyl Ether	3.41	74	404266	49.558	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	594610	44.327	ug/l	99
10) Methyl Iodide	3.94	142	939832	49.355	ug/l	99
11) Tert butyl alcohol	4.82	59	232364	249.429	ug/l	98
12) 1,1-Dichloroethene	3.73	96	613924	46.183	ug/l	98
13) Acrolein	3.61	56	189040	214.148	ug/l	98
14) Allyl chloride	4.31	41	844419	49.510	ug/l	92
15) Acrylonitrile	4.99	53	1164608	304.340	ug/l	99
16) Acetone	3.82	43	688913	177.061	ug/l	96
17) Carbon Disulfide	4.04	76	1393089	41.804	ug/l	99
18) Methyl Acetate	4.33	43	531257	67.488	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1869075	56.725	ug/l	100
20) Methylene Chloride	4.54	84	706848	55.327	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	662049	51.980	ug/l	99
22) Diisopropyl ether	5.96	45	1889253	55.501	ug/l	94
23) Vinyl Acetate	5.90	43	6547263	260.868	ug/l	97
24) 1,1-Dichloroethane	5.84	63	1200029	54.905	ug/l	98
25) 2-Butanone	6.84	43	1270319	278.173	ug/l	98
26) 2,2-Dichloropropane	6.82	77	556020	28.928	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	784661	55.222	ug/l	93
28) Bromochloromethane	7.19	49	482720	54.025	ug/l	97
29) Tetrahydrofuran	7.22	42	840187	286.149	ug/l	96
30) Chloroform	7.37	83	1228825	53.879	ug/l	100
31) Cyclohexane	7.65	56	1020035	49.916	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1028424	49.929	ug/l	98
36) 1,1-Dichloropropene	7.79	75	908681	48.877	ug/l	100
37) Ethyl Acetate	6.94	43	563489	52.750	ug/l	97
38) Carbon Tetrachloride	7.77	117	899964	46.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1018124	44.510	ug/l	98
40) Benzene	8.04	78	2812685	52.870	ug/l	99
41) Methacrylonitrile	7.17	41	315358	51.705	ug/l	96
42) 1,2-Dichloroethane	8.12	62	853434	47.515	ug/l	97
43) Isopropyl Acetate	8.17	43	958259	51.107	ug/l	95
44) Trichloroethene	8.83	130	826057	49.984	ug/l	97
45) 1,2-Dichloropropane	9.12	63	712630	53.946	ug/l	100
46) Dibromomethane	9.21	93	453385	50.796	ug/l	99
47) Bromodichloromethane	9.40	83	901351	50.374	ug/l	99
48) Methyl methacrylate	9.20	41	498604	52.400	ug/l	90
49) 1,4-Dioxane	9.20	88	155135	1152.611	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2759842	278.134	ug/l	94
52) Toluene	10.16	92	1758407	52.128	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	825731	40.731	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1004146	48.157	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	663781	53.892	ug/l	99
56) Ethyl methacrylate	10.43	69	840675	57.241	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1084227	53.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1686097	263.642	ug/l	99
59) 2-Hexanone	10.75	43	1753071	265.514	ug/l	93
60) Dibromochloromethane	10.90	129	718777	51.847	ug/l	99
61) 1,2-Dibromoethane	11.01	107	677577	54.133	ug/l	99
64) Tetrachloroethene	10.63	164	830259	48.924	ug/l	98
65) Chlorobenzene	11.43	112	2025342	52.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	737997	52.712	ug/l	99
67) Ethyl Benzene	11.51	91	3271558	51.209	ug/l	98
68) m/p-Xylenes	11.62	106	2596705	103.993	ug/l	98
69) o-Xylene	11.95	106	1304159	53.578	ug/l	97
70) Styrene	11.96	104	2064645	54.083	ug/l	100
71) Bromoform	12.13	173	480575	45.263	ug/l	98
73) Isopropylbenzene	12.25	105	3343367	47.132	ug/l	100
74) N-amyl acetate	12.07	43	801465	50.901	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	779173	51.555	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	662329m	50.799	ug/l	
77) Bromobenzene	12.53	156	2398433	127.774	ug/l #	31
78) n-propylbenzene	12.59	91	3570131	46.383	ug/l	99
79) 2-Chlorotoluene	12.67	91	2155637	46.578	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2829545	47.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	139557	36.590	ug/l	96
82) 4-Chlorotoluene	12.77	91	2194723	47.492	ug/l	98
83) tert-Butylbenzene	12.99	119	2497100	45.979	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2809540	48.536	ug/l	100
85) sec-Butylbenzene	13.17	105	3156741	44.820	ug/l	100
86) p-Isopropyltoluene	13.29	119	2811737	45.504	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1523297	48.161	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1497628	48.199	ug/l	99
89) n-Butylbenzene	13.62	91	2130078	45.370	ug/l	100
90) Hexachloroethane	13.88	117	414906	40.552	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1543346	49.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	118827	50.809	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	891561	47.872	ug/l	99
94) Hexachlorobutadiene	15.01	225	453942	38.543	ug/l	99
95) Naphthalene	15.13	128	2134288	54.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	881573	53.660	ug/l	99

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

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