

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054203.D
 Acq On : 13 Mar 2019 9:47
 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
 3/14/2019 10:26:58 AM

Quant Time: Mar 14 05:57:46 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	1571850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2266746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2021335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1027130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	788483	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	717370	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.09	98	2664950	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	967764	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	750801	50.399	ug/l	98
3) Chloromethane	2.06	50	636918	44.014	ug/l	98
4) Vinyl Chloride	2.19	62	757052	45.772	ug/l	99
5) Bromomethane	2.57	94	504968	44.082	ug/l	97
6) Chloroethane	2.71	64	446263	44.594	ug/l	98
7) Trichlorofluoromethane	3.02	101	1015557	46.183	ug/l	100
8) Diethyl Ether	3.41	74	491478	49.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	853040	51.767	ug/l	99
10) Methyl Iodide	3.94	142	1046471	44.876	ug/l	99
11) Tert butyl alcohol	4.82	59	259712	226.945	ug/l	99
12) 1,1-Dichloroethene	3.73	96	806025	49.359	ug/l	99
13) Acrolein	3.60	56	263213	242.726	ug/l	99
14) Allyl chloride	4.31	41	1015758	48.481	ug/l	99
15) Acrylonitrile	4.99	53	1152093	245.085	ug/l	100
16) Acetone	3.82	43	1196088	250.248	ug/l	99
17) Carbon Disulfide	4.04	76	1959666	47.871	ug/l	100
18) Methyl Acetate	4.33	43	492388	50.919	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1992208	49.219	ug/l	100
20) Methylene Chloride	4.54	84	751316	47.873	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	767213	49.035	ug/l	99
22) Diisopropyl ether	5.96	45	2069541	49.492	ug/l	98
23) Vinyl Acetate	5.90	43	7716883	250.295	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1288913	48.006	ug/l	99
25) 2-Butanone	6.84	43	1453390	259.080	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1164579	49.323	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	862098	49.390	ug/l	99
28) Bromochloromethane	7.19	49	520512	47.422	ug/l	99
29) Tetrahydrofuran	7.22	42	862348	239.083	ug/l	99
30) Chloroform	7.37	83	1381214	49.299	ug/l	99
31) Cyclohexane	7.65	56	1218922	48.523	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1232619	48.714	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1084091	51.933	ug/l	100
37) Ethyl Acetate	6.94	43	605391	50.473	ug/l	100
38) Carbon Tetrachloride	7.77	117	1102503	50.363	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1376403	53.590	ug/l	100
40) Benzene	8.04	78	3054587	51.135	ug/l	99
41) Methacrylonitrile	7.17	41	326080	47.614	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1023831	50.766	ug/l	100
43) Isopropyl Acetate	8.17	43	1055139	50.117	ug/l	99
44) Trichloroethene	8.83	130	959029	51.681	ug/l	99
45) 1,2-Dichloropropane	9.12	63	762266	51.390	ug/l	100
46) Dibromomethane	9.21	93	510869	50.975	ug/l	100
47) Bromodichloromethane	9.40	83	1038943	51.711	ug/l	98
48) Methyl methacrylate	9.20	41	567970	53.159	ug/l	99
49) 1,4-Dioxane	9.20	88	148307	981.333	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2957037	265.404	ug/l	100
52) Toluene	10.16	92	1969766	52.005	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1087279	47.422	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1231500	52.600	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	712028	51.484	ug/l	99
56) Ethyl methacrylate	10.43	69	883531	53.578	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1157562	51.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1681139	235.994	ug/l	100
59) 2-Hexanone	10.75	43	2004410	270.369	ug/l	100
60) Dibromochloromethane	10.90	129	811349	52.121	ug/l	99
61) 1,2-Dibromoethane	11.01	107	729855	51.931	ug/l	100
64) Tetrachloroethene	10.63	164	945021	48.355	ug/l	99
65) Chlorobenzene	11.43	112	2282715	51.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	830582	51.515	ug/l	99
67) Ethyl Benzene	11.51	91	3786648	51.468	ug/l	100
68) m/p-Xylenes	11.62	106	3002819	104.426	ug/l	100
69) o-Xylene	11.95	106	1444829	51.542	ug/l	99
70) Styrene	11.96	104	2349060	53.432	ug/l	100
71) Bromoform	12.13	173	553021	45.231	ug/l #	100
73) Isopropylbenzene	12.25	105	3886740	47.297	ug/l	100
74) N-amyl acetate	12.07	43	911498	49.971	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	834346	47.655	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	684995m	45.351	ug/l	
77) Bromobenzene	12.53	156	1043155	47.972	ug/l	98
78) n-propylbenzene	12.59	91	4395523	49.295	ug/l	100
79) 2-Chlorotoluene	12.67	91	2570952	47.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3272679	47.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	206027	46.628	ug/l	96
82) 4-Chlorotoluene	12.77	91	2637655	49.270	ug/l	99
83) tert-Butylbenzene	12.99	119	2963568	47.104	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3289722	49.058	ug/l	100
85) sec-Butylbenzene	13.17	105	3963178	48.573	ug/l	100
86) p-Isopropyltoluene	13.29	119	3562782	49.772	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1868762	51.001	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1824267	50.681	ug/l	99
89) n-Butylbenzene	13.61	91	2976765	54.732	ug/l	100
90) Hexachloroethane	13.88	117	549091	46.326	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1789861	49.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	125965	46.494	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1078411	49.874	ug/l	100
94) Hexachlorobutadiene	15.01	225	674015	49.400	ug/l	99
95) Naphthalene	15.13	128	2062936	46.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1033477	54.302	ug/l	99

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

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