

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054251.D
 Acq On : 14 Mar 2019 9:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 1:18:33 AM

Quant Time: Mar 14 09:35:29 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	7.67	168	1448110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2283388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2008323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	984118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	804834	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.59	113	740934	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.09	98	2661815	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.40	95	939163	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	693748	50.548	ug/l	99
3) Chloromethane	2.06	50	608394	45.636	ug/l	99
4) Vinyl Chloride	2.19	62	751770	49.337	ug/l	98
5) Bromomethane	2.57	94	449978	42.638	ug/l	96
6) Chloroethane	2.71	64	445902	48.366	ug/l	99
7) Trichlorofluoromethane	3.02	101	981556	48.451	ug/l	98
8) Diethyl Ether	3.41	74	502236	54.402	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	768083	50.594	ug/l	99
10) Methyl Iodide	3.94	142	903738	42.161	ug/l	99
11) Tert butyl alcohol	4.82	59	251238	238.299	ug/l	99
12) 1,1-Dichloroethene	3.73	96	796143	52.920	ug/l	98
13) Acrolein	3.61	56	227540	227.759	ug/l	99
14) Allyl chloride	4.32	41	941386	48.771	ug/l	99
15) Acrylonitrile	5.00	53	1198326	276.703	ug/l	100
16) Acetone	3.82	43	908363	206.289	ug/l	100
17) Carbon Disulfide	4.04	76	1786063	47.359	ug/l	99
18) Methyl Acetate	4.33	43	527396	59.200	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2007703	53.840	ug/l	100
20) Methylene Chloride	4.55	84	752584	52.051	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	753620	52.282	ug/l	97
22) Diisopropyl ether	5.96	45	2097462	54.446	ug/l	97
23) Vinyl Acetate	5.90	43	7614747	268.087	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1310222	52.969	ug/l	99
25) 2-Butanone	6.84	43	1385473	268.077	ug/l	99
26) 2,2-Dichloropropane	6.83	77	646602	29.726	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	875337	54.433	ug/l	94
28) Bromochloromethane	7.19	49	539184	53.320	ug/l	98
29) Tetrahydrofuran	7.22	42	920855	277.120	ug/l	100
30) Chloroform	7.37	83	1395752	54.075	ug/l	100
31) Cyclohexane	7.65	56	1155074	49.946	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1214898	52.117	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1043371	49.618	ug/l	100
37) Ethyl Acetate	6.94	43	631647	52.278	ug/l	99
38) Carbon Tetrachloride	7.77	117	1066193	48.350	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1194806	46.181	ug/l	99
40) Benzene	8.04	78	3094340	51.423	ug/l	99
41) Methacrylonitrile	7.18	41	350340	50.783	ug/l	98
42) 1,2-Dichloroethane	8.13	62	1033421	50.868	ug/l	100
43) Isopropyl Acetate	8.17	43	1095753	51.667	ug/l	99
44) Trichloroethene	8.83	130	927103	49.597	ug/l	99
45) 1,2-Dichloropropane	9.12	63	771181	51.613	ug/l	99
46) Dibromomethane	9.21	93	519689	51.477	ug/l	100
47) Bromodichloromethane	9.40	83	1050880	51.924	ug/l	97
48) Methyl methacrylate	9.20	41	574633	53.391	ug/l	98
49) 1,4-Dioxane	9.20	88	139688	917.565	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3027414	269.740	ug/l	98
52) Toluene	10.16	92	1940915	50.870	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	972832	42.343	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1124618	47.684	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	733266	52.633	ug/l	98
56) Ethyl methacrylate	10.43	69	904704	54.462	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1183725	51.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1700603	236.915	ug/l	100
59) 2-Hexanone	10.75	43	1956370	261.965	ug/l	100
60) Dibromochloromethane	10.90	129	807385	51.489	ug/l	100
61) 1,2-Dibromoethane	11.01	107	745959	52.690	ug/l	99
64) Tetrachloroethene	10.63	164	945403	48.688	ug/l	99
65) Chlorobenzene	11.44	112	2237274	50.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	826434	51.590	ug/l	99
67) Ethyl Benzene	11.51	91	3661728	50.093	ug/l	100
68) m/p-Xylenes	11.62	106	2850451	99.769	ug/l	100
69) o-Xylene	11.95	106	1403663	50.398	ug/l	98
70) Styrene	11.96	104	2256313	51.655	ug/l	100
71) Bromoform	12.13	173	539479	44.452	ug/l #	100
73) Isopropylbenzene	12.25	105	3689748	46.863	ug/l	100
74) N-amyl acetate	12.07	43	903066	51.673	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	838318	49.974	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	692010m	47.818	ug/l	
77) Bromobenzene	12.53	156	1010825	48.516	ug/l	97
78) n-propylbenzene	12.59	91	4046625	47.366	ug/l	100
79) 2-Chlorotoluene	12.68	91	2409867	46.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3041367	46.439	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159108	37.583	ug/l	97
82) 4-Chlorotoluene	12.77	91	2450650	47.777	ug/l	100
83) tert-Butylbenzene	12.99	119	2792186	46.319	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3073123	47.831	ug/l	100
85) sec-Butylbenzene	13.17	105	3606503	46.133	ug/l	99
86) p-Isopropyltoluene	13.29	119	3172410	46.256	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1730781	49.300	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1686050	48.888	ug/l	100
89) n-Butylbenzene	13.62	91	2502811	48.029	ug/l	100
90) Hexachloroethane	13.88	117	505144	44.481	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1687008	49.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	124484	47.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	969886	46.969	ug/l	99
94) Hexachlorobutadiene	15.01	225	549947	42.069	ug/l	100
95) Naphthalene	15.13	128	2058812	47.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	953480	52.288	ug/l	99

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

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