

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054406.D
 Acq On : 18 Mar 2019 21:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:22:31 AM

Quant Time: Mar 19 07:01:42 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	1130902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1792374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1564607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	622640	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	593805	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.09	98	2140173	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	730105	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	546202	50.961	ug/l	98
3) Chloromethane	2.06	50	530996	51.002	ug/l	99
4) Vinyl Chloride	2.19	62	577222	48.507	ug/l	99
5) Bromomethane	2.57	94	332036	40.288	ug/l	97
6) Chloroethane	2.71	64	346066	48.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	748196	47.291	ug/l	99
8) Diethyl Ether	3.41	74	386937	53.669	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	614259	51.811	ug/l	99
10) Methyl Iodide	3.94	142	799467	47.559	ug/l	100
11) Tert butyl alcohol	4.82	59	200513	243.532	ug/l	98
12) 1,1-Dichloroethene	3.73	96	599014	50.985	ug/l	99
13) Acrolein	3.61	56	193478	247.986	ug/l	98
14) Allyl chloride	4.31	41	766960	50.879	ug/l	99
15) Acrylonitrile	4.99	53	975668	288.481	ug/l	100
16) Acetone	3.82	43	692731	201.446	ug/l	98
17) Carbon Disulfide	4.04	76	1262016	42.849	ug/l	99
18) Methyl Acetate	4.33	43	463567	66.630	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1584303	54.403	ug/l	100
20) Methylene Chloride	4.54	84	609722	53.999	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	591070	52.507	ug/l	100
22) Diisopropyl ether	5.96	45	1695655	56.362	ug/l	98
23) Vinyl Acetate	5.90	43	5971034	269.182	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1059081	54.826	ug/l	99
25) 2-Butanone	6.85	43	1136136	281.494	ug/l	98
26) 2,2-Dichloropropane	6.82	77	721468	42.470	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	698706	55.637	ug/l	98
28) Bromochloromethane	7.19	49	426879	54.055	ug/l	98
29) Tetrahydrofuran	7.22	42	734646	283.094	ug/l	99
30) Chloroform	7.37	83	1132930	56.204	ug/l	100
31) Cyclohexane	7.65	56	909799	50.386	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	952438	52.318	ug/l	99
36) 1,1-Dichloropropene	7.79	75	822232	49.813	ug/l	100
37) Ethyl Acetate	6.94	43	498513	52.562	ug/l	99
38) Carbon Tetrachloride	7.77	117	832452	48.091	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	929588	45.772	ug/l	99
40) Benzene	8.04	78	2480188	52.508	ug/l	100
41) Methacrylonitrile	7.17	41	281051	51.900	ug/l	96
42) 1,2-Dichloroethane	8.12	62	814797	51.094	ug/l	99
43) Isopropyl Acetate	8.17	43	835998	50.217	ug/l	98
44) Trichloroethene	8.83	130	746978	50.908	ug/l	98
45) 1,2-Dichloropropane	9.12	63	631621	53.853	ug/l	100
46) Dibromomethane	9.21	93	410417	51.790	ug/l	99
47) Bromodichloromethane	9.40	83	834438	52.524	ug/l	99
48) Methyl methacrylate	9.20	41	445424	52.723	ug/l	96
49) 1,4-Dioxane	9.20	88	135308	1132.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2469381	280.294	ug/l	98
52) Toluene	10.16	92	1577117	52.659	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	774237	42.903	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	927660	50.109	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	590895	54.033	ug/l	97
56) Ethyl methacrylate	10.43	69	707751	54.277	ug/l	95
57) 1,3-Dichloropropane	10.71	76	973081	54.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1367480	242.285	ug/l	99
59) 2-Hexanone	10.75	43	1531629	261.275	ug/l	97
60) Dibromochloromethane	10.90	129	645960	52.479	ug/l	100
61) 1,2-Dibromoethane	11.01	107	592075	53.277	ug/l	100
64) Tetrachloroethene	10.63	164	742714	49.097	ug/l	98
65) Chlorobenzene	11.43	112	1815700	52.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	666772	53.427	ug/l	99
67) Ethyl Benzene	11.51	91	2969615	52.146	ug/l	100
68) m/p-Xylenes	11.62	106	2332883	104.810	ug/l	100
69) o-Xylene	11.95	106	1153649	53.169	ug/l	98
70) Styrene	11.96	104	1831540	53.822	ug/l	100
71) Bromoform	12.13	173	418907	44.314	ug/l #	100
73) Isopropylbenzene	12.25	105	2993892	50.612	ug/l	100
74) N-amyl acetate	12.07	43	688752	52.456	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	688605	54.638	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	605987m	55.735	ug/l	
77) Bromobenzene	12.53	156	803626	51.340	ug/l	99
78) n-propylbenzene	12.59	91	3250515	50.642	ug/l	100
79) 2-Chlorotoluene	12.67	91	1979295	51.287	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2458803	49.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131945	41.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	1955782	50.752	ug/l	99
83) tert-Butylbenzene	12.99	119	2229444	49.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2488295	51.549	ug/l	100
85) sec-Butylbenzene	13.17	105	2776971	47.281	ug/l	100
86) p-Isopropyltoluene	13.29	119	2457796	47.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1362104	51.642	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1329607	51.315	ug/l	99
89) n-Butylbenzene	13.61	91	1845819	47.147	ug/l	100
90) Hexachloroethane	13.87	117	382555	44.838	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1367083	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101546	52.069	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	690982	44.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	394934	40.212	ug/l	100
95) Naphthalene	15.13	128	1493639	46.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	693003	50.584	ug/l	100

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

