

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056245.D
 Acq On : 12 Jun 2019 13:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:36 AM

Quant Time: Jun 13 05:06:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	280384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	382485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	351960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	130364	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	122152	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.09	98	440373	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	159043	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	135486	44.027	ug/l	96
3) Chloromethane	2.06	50	139073	45.757	ug/l	100
4) Vinyl Chloride	2.18	62	140304	46.020	ug/l	100
5) Bromomethane	2.52	94	87078	45.214	ug/l	100
6) Chloroethane	2.68	64	82741	46.808	ug/l	100
7) Trichlorofluoromethane	3.00	101	188138	48.338	ug/l	100
8) Diethyl Ether	3.40	74	73692	46.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	120390	50.920	ug/l	98
10) Methyl Iodide	3.93	142	174400	46.418	ug/l	100
11) Tert butyl alcohol	4.81	59	105101	216.939	ug/l	99
12) 1,1-Dichloroethene	3.72	96	113270	48.122	ug/l	95
13) Acrolein	3.60	56	30975	221.685	ug/l	96
14) Allyl chloride	4.31	41	181993	48.966	ug/l	99
15) Acrylonitrile	4.99	53	308131	261.273	ug/l	99
16) Acetone	3.82	43	314575	236.258	ug/l	99
17) Carbon Disulfide	4.03	76	258760	45.914	ug/l	99
18) Methyl Acetate	4.32	43	140177	53.638	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	363505	48.449	ug/l	100
20) Methylene Chloride	4.54	84	134147	48.902	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	119674	47.452	ug/l	96
22) Diisopropyl ether	5.95	45	381618	49.670	ug/l	99
23) Vinyl Acetate	5.89	43	1517562	250.819	ug/l	99
24) 1,1-Dichloroethane	5.84	63	219703	49.573	ug/l	99
25) 2-Butanone	6.84	43	425974	253.210	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161236	46.623	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	143988	48.570	ug/l	97
28) Bromochloromethane	7.19	49	105915	50.536	ug/l	98
29) Tetrahydrofuran	7.21	42	259228	249.283	ug/l	99
30) Chloroform	7.37	83	227621	51.055	ug/l	100
31) Cyclohexane	7.65	56	193567	43.817	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	191153	51.344	ug/l	99
36) 1,1-Dichloropropene	7.79	75	164106	49.898	ug/l	99
37) Ethyl Acetate	6.93	43	156954	53.636	ug/l	99
38) Carbon Tetrachloride	7.77	117	167080	55.103	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202496	49.426	ug/l	99
40) Benzene	8.04	78	514986	51.556	ug/l	99
41) Methacrylonitrile	7.17	41	74704	55.486	ug/l	94
42) 1,2-Dichloroethane	8.12	62	166656	51.868	ug/l	99
43) Isopropyl Acetate	8.17	43	245453	51.762	ug/l #	91
44) Trichloroethene	8.83	130	149966	52.247	ug/l	98
45) 1,2-Dichloropropane	9.12	63	135426	52.930	ug/l	100
46) Dibromomethane	9.20	93	89769	53.653	ug/l	97
47) Bromodichloromethane	9.40	83	177746	58.616	ug/l	98
48) Methyl methacrylate	9.20	41	124708	53.756	ug/l	98
49) 1,4-Dioxane	9.20	88	55316	1104.474	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	804831	271.410	ug/l	100
52) Toluene	10.15	92	325752	52.408	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172679	48.639	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201723	55.343	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135266	54.938	ug/l	99
56) Ethyl methacrylate	10.43	69	194544	54.160	ug/l	99
57) 1,3-Dichloropropane	10.71	76	215145	53.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	322981	228.166	ug/l	99
59) 2-Hexanone	10.75	43	577618	268.756	ug/l	99
60) Dibromochloromethane	10.90	129	151795	55.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138650	55.084	ug/l	100
64) Tetrachloroethene	10.63	164	150982	49.557	ug/l	97
65) Chlorobenzene	11.43	112	360705	51.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136618	56.485	ug/l	99
67) Ethyl Benzene	11.51	91	619461	50.859	ug/l	99
68) m/p-Xylenes	11.62	106	484535	104.136	ug/l	98
69) o-Xylene	11.95	106	237059	51.795	ug/l	98
70) Styrene	11.96	104	395934	54.446	ug/l	99
71) Bromoform	12.13	173	114492	56.034	ug/l #	99
73) Isopropylbenzene	12.25	105	620368	51.787	ug/l	99
74) N-amyl acetate	12.07	43	209739	46.740	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	187867	48.074	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158710m	51.238	ug/l	
77) Bromobenzene	12.53	156	173205	48.057	ug/l	95
78) n-propylbenzene	12.59	91	671224	47.132	ug/l	99
79) 2-Chlorotoluene	12.67	91	409726	51.960	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522549	46.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47048	50.582	ug/l	92
82) 4-Chlorotoluene	12.77	91	401870	48.233	ug/l	100
83) tert-Butylbenzene	12.99	119	461831	52.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	512497	47.748	ug/l	99
85) sec-Butylbenzene	13.17	105	598114	47.424	ug/l	100
86) p-Isopropyltoluene	13.29	119	546450	48.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283136	50.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269754	50.272	ug/l	100
89) n-Butylbenzene	13.61	91	405865	48.539	ug/l	100
90) Hexachloroethane	13.87	117	91937	54.009	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	277924	49.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31233	55.878	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130857	42.834	ug/l	100
94) Hexachlorobutadiene	15.01	225	111998	58.330	ug/l	98
95) Naphthalene	15.13	128	317413	40.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142499	45.355	ug/l	99

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

