

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056209.D
 Acq On : 11 Jun 2019 9:14
 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
 6/12/2019 11:11:21 AM

Quant Time: Jun 12 06:41:53 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	308343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	412388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	146520	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	7.59	113	134483	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.09	98	494232	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	174121	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149038	44.040	ug/l	99
3) Chloromethane	2.06	50	152604	45.656	ug/l	100
4) Vinyl Chloride	2.18	62	152665	45.534	ug/l	99
5) Bromomethane	2.53	94	95540	45.110	ug/l	100
6) Chloroethane	2.68	64	86701	44.601	ug/l	96
7) Trichlorofluoromethane	3.00	101	199813	46.683	ug/l	99
8) Diethyl Ether	3.40	74	75990	43.172	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	129917	49.967	ug/l	99
10) Methyl Iodide	3.94	142	178475	43.195	ug/l	99
11) Tert butyl alcohol	4.81	59	117985	221.451	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120824	46.677	ug/l	97
13) Acrolein	3.60	56	40932	266.383	ug/l	98
14) Allyl chloride	4.31	41	193331	47.300	ug/l	99
15) Acrylonitrile	4.99	53	334131	257.630	ug/l	99
16) Acetone	3.82	43	357578	244.204	ug/l	100
17) Carbon Disulfide	4.04	76	274193	44.241	ug/l	100
18) Methyl Acetate	4.32	43	149380	51.959	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	390753	47.359	ug/l	99
20) Methylene Chloride	4.54	84	141775	46.996	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	128689	46.400	ug/l	98
22) Diisopropyl ether	5.95	45	402534	47.642	ug/l	99
23) Vinyl Acetate	5.89	43	1637802	246.147	ug/l	99
24) 1,1-Dichloroethane	5.84	63	232171	47.636	ug/l	99
25) 2-Butanone	6.84	43	476047	257.316	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171239	45.026	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153556	47.101	ug/l	98
28) Bromochloromethane	7.19	49	113160	49.097	ug/l	98
29) Tetrahydrofuran	7.21	42	282853	247.338	ug/l	99
30) Chloroform	7.37	83	239326	48.813	ug/l	99
31) Cyclohexane	7.65	56	209861	43.198	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	200684	49.016	ug/l	98
36) 1,1-Dichloropropene	7.79	75	175737	49.560	ug/l	99
37) Ethyl Acetate	6.93	43	173119	54.870	ug/l	99
38) Carbon Tetrachloride	7.77	117	172262	52.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219152	49.613	ug/l	98
40) Benzene	8.04	78	546966	50.787	ug/l	100
41) Methacrylonitrile	7.17	41	85947	59.208	ug/l	99
42) 1,2-Dichloroethane	8.12	62	175290	50.599	ug/l	100
43) Isopropyl Acetate	8.17	43	265756	51.980	ug/l #	92
44) Trichloroethene	8.83	130	158616	51.254	ug/l	99
45) 1,2-Dichloropropane	9.12	63	145600	52.780	ug/l	98
46) Dibromomethane	9.21	93	95234	52.792	ug/l	97
47) Bromodichloromethane	9.40	83	182325	55.766	ug/l	99
48) Methyl methacrylate	9.20	41	133745	53.471	ug/l	97
49) 1,4-Dioxane	9.20	88	58043	1074.887	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	867651	271.378	ug/l	99
52) Toluene	10.16	92	346102	51.644	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	183099	47.874	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	214066	54.470	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142519	53.687	ug/l	99
56) Ethyl methacrylate	10.43	69	207919	53.687	ug/l	98
57) 1,3-Dichloropropane	10.71	76	227699	52.763	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	346646	227.194	ug/l	100
59) 2-Hexanone	10.75	43	627974	270.999	ug/l	99
60) Dibromochloromethane	10.90	129	155935	53.100	ug/l	100
61) 1,2-Dibromoethane	11.00	107	145787	53.720	ug/l	98
64) Tetrachloroethene	10.63	164	161750	48.830	ug/l	98
65) Chlorobenzene	11.43	112	380820	50.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	141445	53.787	ug/l	99
67) Ethyl Benzene	11.51	91	659613	49.808	ug/l	98
68) m/p-Xylenes	11.62	106	508154	100.446	ug/l	99
69) o-Xylene	11.95	106	248489	49.934	ug/l	98
70) Styrene	11.96	104	416427	52.668	ug/l	99
71) Bromoform	12.13	173	116044	52.420	ug/l #	99
73) Isopropylbenzene	12.25	105	657050	53.088	ug/l	100
74) N-amyl acetate	12.07	43	220290	47.461	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	195441	48.351	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171543m	53.541	ug/l	
77) Bromobenzene	12.53	156	181358	48.648	ug/l	94
78) n-propylbenzene	12.59	91	711741	48.317	ug/l	99
79) 2-Chlorotoluene	12.67	91	431098	52.896	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	545463	46.592	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48541	50.454	ug/l	91
82) 4-Chlorotoluene	12.77	91	416902	48.375	ug/l	100
83) tert-Butylbenzene	12.99	119	480525	53.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	534493	48.144	ug/l	99
85) sec-Butylbenzene	13.17	105	626445	48.020	ug/l	99
86) p-Isopropyltoluene	13.29	119	570199	48.839	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	291900	50.591	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	277379	49.976	ug/l	99
89) n-Butylbenzene	13.61	91	426407	49.303	ug/l	99
90) Hexachloroethane	13.87	117	91600	52.024	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	283840	48.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30579	52.891	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136816	43.251	ug/l	98
94) Hexachlorobutadiene	15.01	225	112818	56.749	ug/l	98
95) Naphthalene	15.13	128	338056	41.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	150795	46.331	ug/l	99

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

