

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056298.D
 Acq On : 13 Jun 2019 21:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:36:56 AM

Quant Time: Jun 14 03:05:09 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	331589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180441	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.59	113	164956	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.09	98	599365	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	204309	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	169494	46.553	ug/l	100
3) Chloromethane	2.06	50	185187	51.520	ug/l	100
4) Vinyl Chloride	2.18	62	186881	51.831	ug/l	100
5) Bromomethane	2.52	94	102547	45.024	ug/l	97
6) Chloroethane	2.68	64	107842	51.587	ug/l	99
7) Trichlorofluoromethane	3.00	101	238142	51.737	ug/l	100
8) Diethyl Ether	3.40	74	96228	50.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	147358	52.702	ug/l	99
10) Methyl Iodide	3.94	142	164865	37.104	ug/l	99
11) Tert butyl alcohol	4.82	59	161632	282.105	ug/l	100
12) 1,1-Dichloroethene	3.72	96	144116	51.772	ug/l	98
13) Acrolein	3.60	56	38979	235.889	ug/l	100
14) Allyl chloride	4.31	41	241645	54.975	ug/l	97
15) Acrylonitrile	4.99	53	441903	316.840	ug/l	100
16) Acetone	3.82	43	368402	233.958	ug/l	99
17) Carbon Disulfide	4.04	76	313519	47.039	ug/l	100
18) Methyl Acetate	4.33	43	211369	68.551	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	490373	55.266	ug/l	98
20) Methylene Chloride	4.54	84	175427	54.075	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	152528	51.140	ug/l	98
22) Diisopropyl ether	5.96	45	510190	56.150	ug/l	99
23) Vinyl Acetate	5.90	43	2084590	291.332	ug/l	100
24) 1,1-Dichloroethane	5.84	63	293679	56.032	ug/l	99
25) 2-Butanone	6.84	43	583985	293.530	ug/l	100
26) 2,2-Dichloropropane	6.82	77	174892	42.763	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	186975	53.331	ug/l	99
28) Bromochloromethane	7.19	49	143843	58.034	ug/l	95
29) Tetrahydrofuran	7.22	42	388098	315.577	ug/l	97
30) Chloroform	7.37	83	295947	56.130	ug/l	100
31) Cyclohexane	7.65	56	250639	47.975	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	239996	54.509	ug/l	99
36) 1,1-Dichloropropene	7.79	75	212880	48.548	ug/l	99
37) Ethyl Acetate	6.94	43	226411	58.031	ug/l	98
38) Carbon Tetrachloride	7.77	117	206848	51.166	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	249806	45.732	ug/l	99
40) Benzene	8.04	78	670781	50.366	ug/l	100
41) Methacrylonitrile	7.17	41	95628	53.272	ug/l	88
42) 1,2-Dichloroethane	8.12	62	223334	52.133	ug/l	100
43) Isopropyl Acetate	8.17	43	350815	55.489	ug/l #	91
44) Trichloroethene	8.83	130	183758	48.017	ug/l	99
45) 1,2-Dichloropropane	9.12	63	184996	54.230	ug/l	100
46) Dibromomethane	9.21	93	120454	53.997	ug/l	96
47) Bromodichloromethane	9.40	83	230465	57.003	ug/l	97
48) Methyl methacrylate	9.20	41	179828	58.140	ug/l	97
49) 1,4-Dioxane	9.21	88	74474	1115.294	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1152499	291.503	ug/l	100
52) Toluene	10.16	92	419587	50.630	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	228145	48.220	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	264014	54.327	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	178081	54.248	ug/l	97
56) Ethyl methacrylate	10.43	69	264908	55.314	ug/l	99
57) 1,3-Dichloropropane	10.71	76	293445	54.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	422823	224.302	ug/l	98
59) 2-Hexanone	10.75	43	798135	278.531	ug/l	99
60) Dibromochloromethane	10.90	129	184413	50.889	ug/l	98
61) 1,2-Dibromoethane	11.01	107	183949	54.813	ug/l	98
64) Tetrachloroethene	10.63	164	179982	45.638	ug/l	99
65) Chlorobenzene	11.43	112	463091	51.072	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	174083	55.603	ug/l	99
67) Ethyl Benzene	11.51	91	796264	50.503	ug/l	99
68) m/p-Xylenes	11.62	106	598145	99.310	ug/l	99
69) o-Xylene	11.95	106	293884	49.604	ug/l	99
70) Styrene	11.96	104	499430	53.055	ug/l	100
71) Bromoform	12.13	173	135939	51.623	ug/l #	99
73) Isopropylbenzene	12.25	105	785375	58.041	ug/l	100
74) N-amyl acetate	12.07	43	284837	55.911	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	245440	55.321	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	206438m	58.704	ug/l	
77) Bromobenzene	12.53	156	207420	50.692	ug/l	98
78) n-propylbenzene	12.59	91	843067	52.143	ug/l	100
79) 2-Chlorotoluene	12.67	91	514224	57.697	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	634054	49.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58895	55.773	ug/l	91
82) 4-Chlorotoluene	12.77	91	498371	52.687	ug/l	100
83) tert-Butylbenzene	12.99	119	560636	56.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	624879	51.280	ug/l	99
85) sec-Butylbenzene	13.17	105	731446	51.084	ug/l	99
86) p-Isopropyltoluene	13.29	119	643278	50.199	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	325206	51.352	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	313070	51.391	ug/l	100
89) n-Butylbenzene	13.61	91	479023	50.462	ug/l	100
90) Hexachloroethane	13.88	117	111758	57.829	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	325502	50.910	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39082	61.588	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146187	42.218	ug/l	99
94) Hexachlorobutadiene	15.01	225	111534	50.899	ug/l	99
95) Naphthalene	15.13	128	422425	46.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	170168	47.549	ug/l	99

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

