

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059345.D
 Acq On : 21 Nov 2019 18:46
 Operator : JC/SP
 Sample : K5957-09MSD
 Misc : 5.01µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-(12-14)MSD

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:55 PM

Quant Time: Nov 22 07:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	385977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	247796	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	7.57	113	201837	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.08	98	819748	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
62) 4-Bromofluorobenzene	12.40	95	523562	102.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	215649	43.642	ug/l	100
3) Chloromethane	2.04	50	264661	43.720	ug/l	98
4) Vinyl Chloride	2.17	62	281035	45.092	ug/l	99
5) Bromomethane	2.50	94	65788	19.013	ug/l	97
6) Chloroethane	2.62	64	80998	23.813	ug/l	97
7) Trichlorofluoromethane	2.94	101	247407	36.863	ug/l	100
8) Diethyl Ether	3.38	74	125461	45.725	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	184985	45.075	ug/l	100
10) Methyl Iodide	3.91	142	219224m	42.981	ug/l	
11) Tert butyl alcohol	4.84	59	215047m	231.929	ug/l	
12) 1,1-Dichloroethene	3.69	96	175729	42.184	ug/l	98
13) Acrolein	3.58	56	198144	234.103	ug/l	98
14) Allyl chloride	4.28	41	315645	40.560	ug/l	98
15) Acrylonitrile	4.96	53	554554	226.206	ug/l	99
16) Acetone	3.80	43	436477	210.199	ug/l	98
17) Carbon Disulfide	4.00	76	572959	43.903	ug/l	100
18) Methyl Acetate	4.29	43	324664	47.112	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	626487	46.562	ug/l	98
20) Methylene Chloride	4.51	84	204382	43.641	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	197757	44.792	ug/l	99
22) Diisopropyl ether	5.92	45	666782	45.507	ug/l	99
23) Vinyl Acetate	5.86	43	2657264	230.621	ug/l	99
24) 1,1-Dichloroethane	5.81	63	372174	45.126	ug/l	100
25) 2-Butanone	6.82	43	717020	222.061	ug/l	99
26) 2,2-Dichloropropane	6.79	77	309823	43.384	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	222026	44.573	ug/l	99
28) Bromochloromethane	7.17	49	158382	47.279	ug/l	97
29) Tetrahydrofuran	7.19	42	494970	221.692	ug/l	99
30) Chloroform	7.35	83	353343	44.135	ug/l	99
31) Cyclohexane	7.63	56	356264	43.689	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	304706	44.312	ug/l	99
36) 1,1-Dichloropropene	7.77	75	286732	45.457	ug/l	100
37) Ethyl Acetate	6.91	43	291993	43.072	ug/l	98
38) Carbon Tetrachloride	7.75	117	267039	44.222	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	368081	48.391	ug/l	99
40) Benzene	8.02	78	841843	45.472	ug/l	100
41) Methacrylonitrile	7.17	41	153082m	50.867	ug/l	
42) 1,2-Dichloroethane	8.10	62	272446	44.496	ug/l	100
43) Isopropyl Acetate	8.15	43	466846	45.060	ug/l #	92
44) Trichloroethene	8.82	130	211607	45.099	ug/l	97
45) 1,2-Dichloropropane	9.10	63	223233	45.219	ug/l	100
46) Dibromomethane	9.20	93	134788	44.512	ug/l	100
47) Bromodichloromethane	9.39	83	273208	45.051	ug/l	100
48) Methyl methacrylate	9.19	41	206859	43.906	ug/l	97
49) 1,4-Dioxane	9.20	88	73790	1042.103	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1375137	226.761	ug/l	99
52) Toluene	10.15	92	508727	45.700	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	323637	45.908	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	355698	46.498	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	222320	51.366	ug/l	99
56) Ethyl methacrylate	10.43	69	337781	46.375	ug/l	97
57) 1,3-Dichloropropane	10.70	76	340120	45.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	649187	242.687	ug/l	100
59) 2-Hexanone	10.75	43	1045288	235.398	ug/l	98
60) Dibromochloromethane	10.90	129	205236	44.999	ug/l	99
61) 1,2-Dibromoethane	11.00	107	202602	44.988	ug/l	99
64) Tetrachloroethene	10.63	164	179846	42.846	ug/l	98
65) Chlorobenzene	11.43	112	527742	45.223	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	188443	44.450	ug/l	100
67) Ethyl Benzene	11.51	91	1023801	49.135	ug/l	99
68) m/p-Xylenes	11.62	106	731220	94.443	ug/l	98
69) o-Xylene	11.95	106	350920	47.343	ug/l	96
70) Styrene	11.97	104	575443	49.201	ug/l	97
71) Bromoform	12.13	173	146867	45.743	ug/l #	100
73) Isopropylbenzene	12.25	105	1057632	31.799	ug/l	100
74) N-amyl acetate	12.05	43	2939317	219.900	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.51	83	685187	62.277	ug/l #	92
76) 1,2,3-Trichloropropane	12.56	75	262758m	28.013	ug/l	
77) Bromobenzene	12.53	156	227548	28.207	ug/l	87
78) n-propylbenzene	12.59	91	1431946	38.008	ug/l	97
79) 2-Chlorotoluene	12.68	91	727938	31.479	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	835541	29.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110357	29.427	ug/l #	65
82) 4-Chlorotoluene	12.78	91	697453	29.146	ug/l	89
83) tert-Butylbenzene	13.00	119	955856	40.479	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1060973	38.739	ug/l	100
85) sec-Butylbenzene	13.17	105	1578856	49.747	ug/l	88
86) p-Isopropyltoluene	13.29	119	895678	31.715	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	406473	28.294	ug/l #	1
88) 1,4-Dichlorobenzene	13.37	146	410926	28.910	ug/l #	1
89) n-Butylbenzene	13.62	91	1229677	49.634	ug/l #	76
90) Hexachloroethane	13.89	117	471445	88.144	ug/l #	38
91) 1,2-Dichlorobenzene	13.66	146	403438	29.025	ug/l #	41
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67752	28.965	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	295413	35.102	ug/l #	19
94) Hexachlorobutadiene	15.01	225	173886	34.723	ug/l	99
95) Naphthalene	15.13	128	835753	35.870	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283675	34.062	ug/l #	68

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

