

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059344.D
 Acq On : 21 Nov 2019 18:24
 Operator : JC/SP
 Sample : K5957-08MS
 Misc : 4.99µl/10µl/100µl/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:50 PM

Quant Time: Nov 22 07:08:55 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	415186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	261791	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
35) Dibromofluoromethane	7.57	113	209070	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
50) Toluene-d8	10.08	98	840862	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.40	95	317371	58.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	222637	41.886	ug/l	99
3) Chloromethane	2.04	50	264892	40.680	ug/l	99
4) Vinyl Chloride	2.17	62	290447	43.323	ug/l	99
5) Bromomethane	2.50	94	65153	17.505	ug/l	98
6) Chloroethane	2.62	64	81552	22.289	ug/l	99
7) Trichlorofluoromethane	2.94	101	234939	32.543	ug/l	98
8) Diethyl Ether	3.38	74	130191	44.111	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	188976	42.808	ug/l	99
10) Methyl Iodide	3.91	142	225744	41.146	ug/l	98
11) Tert butyl alcohol	4.84	59	215144m	215.710	ug/l	
12) 1,1-Dichloroethene	3.69	96	189699	42.334	ug/l	92
13) Acrolein	3.58	56	185335	203.564	ug/l	99
14) Allyl chloride	4.28	41	322725	38.552	ug/l	97
15) Acrylonitrile	4.96	53	565861	214.579	ug/l	100
16) Acetone	3.80	43	439167	196.615	ug/l	97
17) Carbon Disulfide	4.00	76	588851	41.953	ug/l	100
18) Methyl Acetate	4.29	43	338621	45.681	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	645964	44.632	ug/l	100
20) Methylene Chloride	4.52	84	210202	41.726	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	207386	43.669	ug/l	98
22) Diisopropyl ether	5.92	45	688120	43.659	ug/l	99
23) Vinyl Acetate	5.86	43	2740666	221.126	ug/l	100
24) 1,1-Dichloroethane	5.81	63	388865	43.833	ug/l	99
25) 2-Butanone	6.82	43	730734	210.387	ug/l	99
26) 2,2-Dichloropropane	6.79	77	323133	42.065	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	229771	42.882	ug/l	100
28) Bromochloromethane	7.17	49	161526	44.948	ug/l	96
29) Tetrahydrofuran	7.19	42	504313	209.986	ug/l	98
30) Chloroform	7.35	83	365419	42.427	ug/l	98
31) Cyclohexane	7.63	56	369731	42.151	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	316178	42.745	ug/l	99
36) 1,1-Dichloropropene	7.77	75	295489	43.730	ug/l	99
37) Ethyl Acetate	6.91	43	294484	40.551	ug/l	98
38) Carbon Tetrachloride	7.75	117	278362	43.032	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365322	44.835	ug/l	99
40) Benzene	8.02	78	870906	43.914	ug/l	99
41) Methacrylonitrile	7.16	41	129033m	40.025	ug/l	
42) 1,2-Dichloroethane	8.10	62	282417	43.058	ug/l	99
43) Isopropyl Acetate	8.15	43	480924	43.333	ug/l #	92
44) Trichloroethene	8.82	130	218910	43.554	ug/l	97
45) 1,2-Dichloropropane	9.10	63	230788	43.641	ug/l	97
46) Dibromomethane	9.19	93	139781	43.092	ug/l	99
47) Bromodichloromethane	9.39	83	280112	43.118	ug/l	100
48) Methyl methacrylate	9.19	41	216716	42.940	ug/l	98
49) 1,4-Dioxane	9.20	88	75091	989.968	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1418788	218.404	ug/l	99
52) Toluene	10.15	92	529125	44.372	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	334241	44.260	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	368308	44.945	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	202641	43.706	ug/l	98
56) Ethyl methacrylate	10.43	69	321720	41.476	ug/l	98
57) 1,3-Dichloropropane	10.70	76	352429	43.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	628890	221.648	ug/l	100
59) 2-Hexanone	10.75	43	1075670	226.134	ug/l	100
60) Dibromochloromethane	10.90	129	211029	43.193	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210309	43.594	ug/l	99
64) Tetrachloroethene	10.63	164	189106	42.395	ug/l	98
65) Chlorobenzene	11.43	112	540234	43.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195144	43.316	ug/l	99
67) Ethyl Benzene	11.51	91	1010533	45.638	ug/l	100
68) m/p-Xylenes	11.62	106	753821	91.620	ug/l	99
69) o-Xylene	11.95	106	362455	46.016	ug/l	99
70) Styrene	11.96	104	586329	47.175	ug/l	99
71) Bromoform	12.13	173	150295	44.050	ug/l #	99
73) Isopropylbenzene	12.25	105	980357	40.505	ug/l	100
74) N-amyl acetate	12.07	43	373873m	38.437	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	355304	44.378	ug/l	90
76) 1,2,3-Trichloropropane	12.56	75	279558m	40.957	ug/l	
77) Bromobenzene	12.53	156	229509	39.095	ug/l	95
78) n-propylbenzene	12.59	91	1186116	43.264	ug/l	99
79) 2-Chlorotoluene	12.68	91	671530	39.906	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	846807	41.620	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113016	41.413	ug/l #	80
82) 4-Chlorotoluene	12.77	91	688418	39.533	ug/l	97
83) tert-Butylbenzene	12.99	119	713599	41.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	937790	47.053	ug/l	100
85) sec-Butylbenzene	13.17	105	1044355	45.219	ug/l	97
86) p-Isopropyltoluene	13.29	119	889896	43.300	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415159	39.711	ug/l #	81
88) 1,4-Dichlorobenzene	13.36	146	410337	39.670	ug/l #	81
89) n-Butylbenzene	13.62	91	883511	49.006	ug/l	97
90) Hexachloroethane	13.88	117	185089	47.554	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	401395	39.684	ug/l #	66
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64490	37.886	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	265680	42.688	ug/l #	88
94) Hexachlorobutadiene	15.01	225	161002	44.180	ug/l	100
95) Naphthalene	15.13	128	767338	44.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258520	42.177	ug/l	94

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

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