

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055437.D
 Acq On : 7 May 2019 15:04
 Operator : JC/SP
 Sample : VN0507MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:21:59 AM

Quant Time: May 07 16:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	341995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	568146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	243748	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.59	113	186950	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.09	98	660566	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	220872	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76116	18.165	ug/l	98
3) Chloromethane	2.06	50	88223	17.004	ug/l	97
4) Vinyl Chloride	2.19	62	77183	18.454	ug/l	100
5) Bromomethane	2.57	94	43571	19.668	ug/l	95
6) Chloroethane	2.71	64	42913	18.940	ug/l	98
7) Trichlorofluoromethane	3.02	101	115835	19.477	ug/l	100
8) Diethyl Ether	3.42	74	44242	21.263	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69304	19.569	ug/l	99
10) Methyl Iodide	3.96	142	91272	18.313	ug/l	99
11) Tert butyl alcohol	4.80	59	34557	134.908	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	66785	19.769	ug/l	99
13) Acrolein	3.61	56	11607	58.022	ug/l	98
14) Allyl chloride	4.33	41	142206	20.324	ug/l	99
15) Acrylonitrile	5.00	53	174077	120.903	ug/l	98
16) Acetone	3.82	43	142476	102.202	ug/l	100
17) Carbon Disulfide	4.06	76	142487	16.161	ug/l	97
18) Methyl Acetate	4.33	43	89716	25.920	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	222106	23.386	ug/l	99
20) Methylene Chloride	4.56	84	81373	19.124	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	70426	19.684	ug/l	95
22) Diisopropyl ether	5.96	45	313231	22.531	ug/l	94
23) Vinyl Acetate	5.90	43	1040433	114.190	ug/l	99
24) 1,1-Dichloroethane	5.85	63	155439	20.985	ug/l	100
25) 2-Butanone	6.84	43	215396	120.817	ug/l	99
26) 2,2-Dichloropropane	6.83	77	102802	20.098	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	85783	21.083	ug/l	99
28) Bromochloromethane	7.20	49	79963	21.416	ug/l	97
29) Tetrahydrofuran	7.22	42	144563	126.633	ug/l	99
30) Chloroform	7.37	83	146997	20.935	ug/l	97
31) Cyclohexane	7.66	56	131622	18.703	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	117667	20.648	ug/l	99
36) 1,1-Dichloropropene	7.79	75	99424	18.270	ug/l	99
37) Ethyl Acetate	6.94	43	91307	21.892	ug/l #	79
38) Carbon Tetrachloride	7.78	117	96208	18.327	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110742	19.140	ug/l	95
40) Benzene	8.04	78	318028	19.824	ug/l	99
41) Methacrylonitrile	7.18	41	51143	23.061	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	114436	20.140	ug/l	100
43) Isopropyl Acetate	8.17	43	160847	23.997	ug/l #	87
44) Trichloroethene	8.84	130	76278	18.651	ug/l	97
45) 1,2-Dichloropropane	9.12	63	95240	20.584	ug/l	100
46) Dibromomethane	9.21	93	51617	20.409	ug/l	99
47) Bromodichloromethane	9.40	83	110333	20.335	ug/l	99
48) Methyl methacrylate	9.20	41	72579	22.026	ug/l	98
49) 1,4-Dioxane	9.20	88	16301	478.564	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	461310	122.242	ug/l	97
52) Toluene	10.16	92	186835	20.298	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96034	20.389	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	118838	20.236	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	74737	21.865	ug/l	99
56) Ethyl methacrylate	10.43	69	96860	23.023	ug/l	99
57) 1,3-Dichloropropane	10.71	76	127011	21.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100199	85.338	ug/l	99
59) 2-Hexanone	10.75	43	281577	119.253	ug/l	99
60) Dibromochloromethane	10.90	129	74803	21.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	68764	21.765	ug/l	98
64) Tetrachloroethene	10.63	164	77703	19.839	ug/l	98
65) Chlorobenzene	11.43	112	188793	20.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	74216	20.241	ug/l	99
67) Ethyl Benzene	11.51	91	341445	20.192	ug/l	98
68) m/p-Xylenes	11.62	106	246263	40.801	ug/l	99
69) o-Xylene	11.95	106	122870	20.538	ug/l	99
70) Styrene	11.96	104	199232	21.690	ug/l	100
71) Bromoform	12.13	173	45048	22.141	ug/l #	94
73) Isopropylbenzene	12.25	105	333466	21.122	ug/l	99
74) N-amyl acetate	12.07	43	99551	21.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89828	23.116	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	75452m	20.755	ug/l	
77) Bromobenzene	12.53	156	77907	21.087	ug/l	97
78) n-propylbenzene	12.59	91	362412	19.319	ug/l	99
79) 2-Chlorotoluene	12.67	91	222822	20.967	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	277973	19.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19593	20.332	ug/l	87
82) 4-Chlorotoluene	12.77	91	211032	19.348	ug/l	99
83) tert-Butylbenzene	12.99	119	238787	21.929	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	263686	20.593	ug/l	98
85) sec-Butylbenzene	13.17	105	312273	20.067	ug/l	100
86) p-Isopropyltoluene	13.29	119	264781	20.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123330	20.182	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	118323	20.560	ug/l	97
89) n-Butylbenzene	13.61	91	184989	20.354	ug/l	97
90) Hexachloroethane	13.87	117	46793	22.231	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	124988	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12126	25.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38525	18.377	ug/l	98
94) Hexachlorobutadiene	15.01	225	45887	23.706	ug/l	96
95) Naphthalene	15.13	128	84498	18.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	42888	19.898	ug/l	98

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

