

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055452.D
 Acq On : 7 May 2019 22:13
 Operator : JC/SP
 Sample : VN0507MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBS02

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:23 AM

Quant Time: May 08 07:41:55 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	330870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	551905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240202	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	7.59	113	183339	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	638757	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.40	95	214671	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72189	17.807	ug/l	100
3) Chloromethane	2.06	50	82186	16.373	ug/l	99
4) Vinyl Chloride	2.19	62	70904	17.523	ug/l	98
5) Bromomethane	2.56	94	40121	18.719	ug/l	96
6) Chloroethane	2.71	64	41131	18.764	ug/l	97
7) Trichlorofluoromethane	3.02	101	111221	19.330	ug/l	98
8) Diethyl Ether	3.42	74	43972	21.844	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	65320	19.065	ug/l	99
10) Methyl Iodide	3.96	142	83666	17.351	ug/l	99
11) Tert butyl alcohol	4.80	59	38562	155.605	ug/l	96
12) 1,1-Dichloroethene	3.74	96	60950	18.648	ug/l	99
13) Acrolein	3.62	56	11449	59.156	ug/l	99
14) Allyl chloride	4.33	41	134794	19.913	ug/l	99
15) Acrylonitrile	5.00	53	180933	129.890	ug/l	99
16) Acetone	3.82	43	139325	103.302	ug/l	98
17) Carbon Disulfide	4.06	76	127649	14.965	ug/l	99
18) Methyl Acetate	4.33	43	94666	28.365	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	215054	23.405	ug/l	100
20) Methylene Chloride	4.56	84	79455	19.301	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	64273	18.568	ug/l	97
22) Diisopropyl ether	5.96	45	299927	22.300	ug/l	94
23) Vinyl Acetate	5.90	43	1025283	116.311	ug/l	100
24) 1,1-Dichloroethane	5.85	63	148931	20.782	ug/l	100
25) 2-Butanone	6.84	43	228444	132.444	ug/l	97
26) 2,2-Dichloropropane	6.83	77	82861	16.744	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81908	20.808	ug/l	98
28) Bromochloromethane	7.20	49	77895	21.564	ug/l	98
29) Tetrahydrofuran	7.22	42	156533	141.728	ug/l	98
30) Chloroform	7.37	83	142087	20.916	ug/l	97
31) Cyclohexane	7.66	56	124384	18.269	ug/l	# 93
32) 1,1,1-Trichloroethane	7.57	97	112234	20.357	ug/l	98
36) 1,1-Dichloropropene	7.80	75	90835	17.183	ug/l	98
37) Ethyl Acetate	6.93	43	94164	23.241	ug/l	98
38) Carbon Tetrachloride	7.78	117	91627	17.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101252	18.015	ug/l	98
40) Benzene	8.04	78	298237	19.137	ug/l	100
41) Methacrylonitrile	7.17	41	53593	24.819	ug/l #	70
42) 1,2-Dichloroethane	8.13	62	112823	20.441	ug/l	100
43) Isopropyl Acetate	8.17	43	165158	25.366	ug/l #	89
44) Trichloroethene	8.84	130	72164	18.165	ug/l	98
45) 1,2-Dichloropropane	9.12	63	90491	20.133	ug/l	99
46) Dibromomethane	9.21	93	49854	20.292	ug/l	97
47) Bromodichloromethane	9.40	83	107969	20.485	ug/l	96
48) Methyl methacrylate	9.20	41	76915	24.029	ug/l	99
49) 1,4-Dioxane	9.20	88	18644	563.457	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	485529	132.446	ug/l	98
52) Toluene	10.16	92	172070	19.244	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	92199	20.151	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	110981	19.454	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	72171	21.736	ug/l	98
56) Ethyl methacrylate	10.43	69	96905	23.711	ug/l	99
57) 1,3-Dichloropropane	10.71	76	123717	21.239	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	104941	91.037	ug/l	99
59) 2-Hexanone	10.75	43	313421	136.646	ug/l	98
60) Dibromochloromethane	10.90	129	71209	20.983	ug/l	99
61) 1,2-Dibromoethane	11.01	107	66735	21.745	ug/l	99
64) Tetrachloroethene	10.63	164	76254	20.326	ug/l	97
65) Chlorobenzene	11.43	112	177858	19.830	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69017	19.652	ug/l	99
67) Ethyl Benzene	11.51	91	318196	19.646	ug/l	99
68) m/p-Xylenes	11.62	106	232769	40.263	ug/l	100
69) o-Xylene	11.95	106	117691	20.539	ug/l	100
70) Styrene	11.97	104	187885	21.355	ug/l	100
71) Bromoform	12.13	173	43912	22.533	ug/l #	99
73) Isopropylbenzene	12.25	105	320296	20.576	ug/l	99
74) N-amyl acetate	12.07	43	112370	24.405	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	91701	24.153	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	81732m	23.158	ug/l	
77) Bromobenzene	12.53	156	74525	20.473	ug/l	96
78) n-propylbenzene	12.59	91	343689	18.649	ug/l	99
79) 2-Chlorotoluene	12.67	91	216034	20.656	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	266340	18.936	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20233	21.372	ug/l	95
82) 4-Chlorotoluene	12.77	91	198984	18.570	ug/l	99
83) tert-Butylbenzene	12.99	119	236304	22.113	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	245489	19.516	ug/l	100
85) sec-Butylbenzene	13.17	105	298967	19.557	ug/l	99
86) p-Isopropyltoluene	13.29	119	247556	19.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	116313	19.374	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	111816	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	173869	19.474	ug/l	98
90) Hexachloroethane	13.87	117	41931	20.135	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	124403	20.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13531	28.668	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	36470	17.828	ug/l	98
94) Hexachlorobutadiene	15.01	225	43994	23.063	ug/l	96
95) Naphthalene	15.13	128	82086	18.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41291	19.553	ug/l	95

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

