

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054422.D
 Acq On : 19 Mar 2019 5:02
 Operator : JC/SP
 Sample : VN0318WBSD02
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:01 AM

Quant Time: Mar 19 07:56:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1172129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1900606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1649993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	767051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	644719	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	620412	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	2240115	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	751903	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	222451	20.025	ug/l	98
3) Chloromethane	2.06	50	218072	20.209	ug/l	100
4) Vinyl Chloride	2.19	62	233222	18.910	ug/l	97
5) Bromomethane	2.57	94	150868	17.662	ug/l	96
6) Chloroethane	2.71	64	140433	18.819	ug/l	99
7) Trichlorofluoromethane	3.02	101	299308	18.253	ug/l	100
8) Diethyl Ether	3.41	74	158754	21.245	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	234531	19.086	ug/l	98
10) Methyl Iodide	3.94	142	325087	19.568	ug/l	100
11) Tert butyl alcohol	4.82	59	87949	103.061	ug/l	99
12) 1,1-Dichloroethene	3.73	96	240391	19.741	ug/l	97
13) Acrolein	3.61	56	48304	59.735	ug/l	97
14) Allyl chloride	4.31	41	312118	19.977	ug/l	96
15) Acrylonitrile	4.99	53	437618	124.842	ug/l	98
16) Acetone	3.82	43	273860	76.837	ug/l	100
17) Carbon Disulfide	4.04	76	494027	16.184	ug/l	100
18) Methyl Acetate	4.33	43	202205	28.042	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	707148	23.428	ug/l	99
20) Methylene Chloride	4.55	84	266975	22.812	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	254393	21.804	ug/l	98
22) Diisopropyl ether	5.96	45	733866	23.535	ug/l	96
23) Vinyl Acetate	5.90	43	2410977	104.867	ug/l	99
24) 1,1-Dichloroethane	5.84	63	464631	23.207	ug/l	98
25) 2-Butanone	6.85	43	472961	113.061	ug/l	99
26) 2,2-Dichloropropane	6.82	77	213596	12.131	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	301699	23.179	ug/l	94
28) Bromochloromethane	7.19	49	172026	21.017	ug/l	98
29) Tetrahydrofuran	7.22	42	318311	118.346	ug/l	98
30) Chloroform	7.37	83	478779	22.917	ug/l	100
31) Cyclohexane	7.65	56	397106	20.490	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	387133	20.517	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336713	19.237	ug/l	99
37) Ethyl Acetate	6.94	43	185879	18.483	ug/l #	93
38) Carbon Tetrachloride	7.77	117	334158	18.205	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382350	17.755	ug/l	97
40) Benzene	8.04	78	1066915	21.301	ug/l	99
41) Methacrylonitrile	7.18	41	123053	21.429	ug/l	97
42) 1,2-Dichloroethane	8.13	62	336669	19.909	ug/l	98
43) Isopropyl Acetate	8.17	43	340893	19.311	ug/l	97
44) Trichloroethene	8.83	130	315254	20.261	ug/l	96
45) 1,2-Dichloropropane	9.12	63	279085	22.440	ug/l	100
46) Dibromomethane	9.21	93	175698	20.909	ug/l	98
47) Bromodichloromethane	9.40	83	324210	19.245	ug/l	99
48) Methyl methacrylate	9.20	41	185136	20.666	ug/l	93
49) 1,4-Dioxane	9.21	88	58660	462.922	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1025018	109.722	ug/l	97
52) Toluene	10.16	92	660993	20.813	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	280135	15.947	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	353635	18.014	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	252558	21.780	ug/l	99
56) Ethyl methacrylate	10.43	69	295295	21.357	ug/l	93
57) 1,3-Dichloropropane	10.71	76	416307	21.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	584133	107.650	ug/l	99
59) 2-Hexanone	10.75	43	629765	101.312	ug/l	95
60) Dibromochloromethane	10.90	129	255780	19.597	ug/l	96
61) 1,2-Dibromoethane	11.00	107	249367	21.161	ug/l	100
64) Tetrachloroethene	10.63	164	323663	20.289	ug/l	97
65) Chlorobenzene	11.43	112	767092	21.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	265282	20.156	ug/l	99
67) Ethyl Benzene	11.51	91	1238865	20.628	ug/l	100
68) m/p-Xylenes	11.62	106	963029	41.027	ug/l	100
69) o-Xylene	11.95	106	489377	21.387	ug/l	98
70) Styrene	11.96	104	766055	21.346	ug/l	100
71) Bromoform	12.13	173	157067	17.270	ug/l #	99
73) Isopropylbenzene	12.25	105	1279065	20.842	ug/l	100
74) N-amyl acetate	12.07	43	280058	20.559	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	285627	21.845	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	250022m	22.165	ug/l	
77) Bromobenzene	12.53	156	1161446	71.521	ug/l #	21
78) n-propylbenzene	12.59	91	1342278	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	823527	20.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1085224	21.260	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	42138	12.770	ug/l #	84
82) 4-Chlorotoluene	12.77	91	808912	20.233	ug/l	99
83) tert-Butylbenzene	12.99	119	942952	20.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1027034	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	1183559	19.424	ug/l	99
86) p-Isopropyltoluene	13.29	119	1045976	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	555145	20.288	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	539119	20.056	ug/l	99
89) n-Butylbenzene	13.61	91	758912	18.685	ug/l	99
90) Hexachloroethane	13.87	117	140589	15.883	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	566621	21.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41569	20.546	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	299799	20.146	ug/l	99
94) Hexachlorobutadiene	15.01	225	167259	16.415	ug/l	99
95) Naphthalene	15.13	128	711370	23.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	317580	22.344	ug/l	98

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

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