

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054435.D
 Acq On : 19 Mar 2019 12:41
 Operator : JC/SP
 Sample : VN0319MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:36 PM

Quant Time: Mar 20 04:06:14 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	1377558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2044231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1767635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	917232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	636294	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	7.59	113	633471	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	2338019	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	785850	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226783	17.370	ug/l	97
3) Chloromethane	2.06	50	216501	17.072	ug/l	98
4) Vinyl Chloride	2.19	62	223249	15.402	ug/l	98
5) Bromomethane	2.57	94	154204	15.360	ug/l	95
6) Chloroethane	2.71	64	130681	14.901	ug/l	99
7) Trichlorofluoromethane	3.02	101	291518	15.127	ug/l	100
8) Diethyl Ether	3.41	74	152430	17.357	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	242217	16.772	ug/l	98
10) Methyl Iodide	3.94	142	342865	17.714	ug/l	99
11) Tert butyl alcohol	4.81	59	82554	82.313	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	236070	16.495	ug/l	96
13) Acrolein	3.61	56	58911	61.988	ug/l	96
14) Allyl chloride	4.32	41	324009	17.646	ug/l	92
15) Acrylonitrile	4.99	53	435519	105.715	ug/l	98
16) Acetone	3.82	43	291141	69.504	ug/l	98
17) Carbon Disulfide	4.04	76	501052	13.966	ug/l	100
18) Methyl Acetate	4.33	43	200435	23.651	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	718952	20.267	ug/l	98
20) Methylene Chloride	4.54	84	274143	19.932	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	258408	18.845	ug/l	99
22) Diisopropyl ether	5.96	45	734252	20.036	ug/l	97
23) Vinyl Acetate	5.90	43	2421103	89.604	ug/l	96
24) 1,1-Dichloroethane	5.85	63	468203	19.898	ug/l	99
25) 2-Butanone	6.85	43	483958	98.438	ug/l	96
26) 2,2-Dichloropropane	6.82	77	312628	15.108	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	311105	20.337	ug/l	95
28) Bromochloromethane	7.19	49	183001	19.024	ug/l	93
29) Tetrahydrofuran	7.22	42	309813	98.009	ug/l	93
30) Chloroform	7.37	83	478461	19.486	ug/l	99
31) Cyclohexane	7.65	56	417287	18.187	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	391952	17.675	ug/l	98
36) 1,1-Dichloropropene	7.79	75	350218	18.603	ug/l	98
37) Ethyl Acetate	6.94	43	202081	18.682	ug/l #	95
38) Carbon Tetrachloride	7.77	117	326650	16.546	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	423740	18.294	ug/l	97
40) Benzene	8.04	78	1104403	20.501	ug/l	99
41) Methacrylonitrile	7.18	41	120106	19.447	ug/l	97
42) 1,2-Dichloroethane	8.12	62	329727	18.129	ug/l	97
43) Isopropyl Acetate	8.17	43	336797	17.738	ug/l	96
44) Trichloroethene	8.84	130	331235	19.793	ug/l	98
45) 1,2-Dichloropropane	9.12	63	282173	21.094	ug/l	98
46) Dibromomethane	9.21	93	172527	19.089	ug/l	100
47) Bromodichloromethane	9.40	83	328552	18.133	ug/l	97
48) Methyl methacrylate	9.20	41	182127	18.902	ug/l	89
49) 1,4-Dioxane	9.20	88	58100	426.289	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1014356	100.952	ug/l	94
52) Toluene	10.16	92	683709	20.016	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	294401	15.628	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	381151	18.052	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	256956	20.602	ug/l	98
56) Ethyl methacrylate	10.43	69	308769	20.762	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	419012	20.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	626105	107.336	ug/l	99
59) 2-Hexanone	10.75	43	647648	96.868	ug/l	93
60) Dibromochloromethane	10.90	129	249312	17.759	ug/l	99
61) 1,2-Dibromoethane	11.01	107	258708	20.411	ug/l	98
64) Tetrachloroethene	10.63	164	322405	18.865	ug/l	99
65) Chlorobenzene	11.43	112	794690	20.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276164	19.587	ug/l	97
67) Ethyl Benzene	11.51	91	1301076	20.222	ug/l	100
68) m/p-Xylenes	11.62	106	1024855	40.756	ug/l	97
69) o-Xylene	11.95	106	519522	21.193	ug/l	94
70) Styrene	11.96	104	815598	21.214	ug/l	98
71) Bromoform	12.13	173	156157	16.197	ug/l #	97
73) Isopropylbenzene	12.25	105	1342885	18.299	ug/l	99
74) N-amyl acetate	12.07	43	285090	17.502	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	289720	18.530	ug/l #	86
76) 1,2,3-Trichloropropane	12.55	75	284422m	21.087	ug/l	
77) Bromobenzene	12.53	156	2046894	105.409	ug/l #	14
78) n-propylbenzene	12.59	91	1424554	17.890	ug/l	98
79) 2-Chlorotoluene	12.67	91	839852	17.542	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1200113	19.661	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	45729	11.589	ug/l #	81
82) 4-Chlorotoluene	12.77	91	855896	17.903	ug/l	97
83) tert-Butylbenzene	12.99	119	975876	17.369	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1100627	18.379	ug/l	99
85) sec-Butylbenzene	13.17	105	1248157	17.130	ug/l	100
86) p-Isopropyltoluene	13.29	119	1116269	17.463	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	575813	17.598	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	559876	17.418	ug/l	98
89) n-Butylbenzene	13.62	91	850365	17.508	ug/l	99
90) Hexachloroethane	13.87	117	130342	12.314	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	585815	18.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41938	17.334	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	330803	18.784	ug/l	97
94) Hexachlorobutadiene	15.01	225	178885	14.682	ug/l	97
95) Naphthalene	15.13	128	867789	23.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	336762	19.814	ug/l	93

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

