

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054426.D
 Acq On : 19 Mar 2019 6:52
 Operator : JC/SP
 Sample : VN0318MBSD02
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:07 AM

Quant Time: Mar 19 08:06:29 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	1203976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1982150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1725144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	842689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	652289	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.59	113	626263	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.09	98	2316381	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	774162	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220642	19.337	ug/l	98
3) Chloromethane	2.06	50	217719	19.643	ug/l	99
4) Vinyl Chloride	2.18	62	227658	17.970	ug/l	99
5) Bromomethane	2.57	94	148095	16.878	ug/l	99
6) Chloroethane	2.71	64	135368	17.660	ug/l	99
7) Trichlorofluoromethane	3.02	101	294905	17.509	ug/l	99
8) Diethyl Ether	3.41	74	155254	20.227	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	236154	18.710	ug/l	99
10) Methyl Iodide	3.94	142	332433	19.488	ug/l	100
11) Tert butyl alcohol	4.82	59	90020	102.698	ug/l	100
12) 1,1-Dichloroethene	3.73	96	242736	19.407	ug/l	98
13) Acrolein	3.61	56	44811	53.949	ug/l	99
14) Allyl chloride	4.32	41	320700	19.984	ug/l	93
15) Acrylonitrile	4.99	53	444259	123.384	ug/l	98
16) Acetone	3.82	43	272306	74.380	ug/l	98
17) Carbon Disulfide	4.04	76	497490	15.866	ug/l	100
18) Methyl Acetate	4.33	43	205629	27.762	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	733885	23.671	ug/l	99
20) Methylene Chloride	4.54	84	273798	22.777	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	257091	21.452	ug/l	97
22) Diisopropyl ether	5.96	45	735484	22.963	ug/l	96
23) Vinyl Acetate	5.90	43	2453761	103.905	ug/l	98
24) 1,1-Dichloroethane	5.85	63	468603	22.786	ug/l	99
25) 2-Butanone	6.85	43	479386	111.566	ug/l	98
26) 2,2-Dichloropropane	6.82	77	205817	11.380	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	307971	23.035	ug/l	94
28) Bromochloromethane	7.19	49	180302	21.446	ug/l	98
29) Tetrahydrofuran	7.22	42	329181	119.150	ug/l	98
30) Chloroform	7.37	83	485674	22.632	ug/l	99
31) Cyclohexane	7.65	56	411009	20.656	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	395297	20.396	ug/l	99
36) 1,1-Dichloropropene	7.79	75	345143	18.908	ug/l	99
37) Ethyl Acetate	6.94	43	213059	20.314	ug/l	95
38) Carbon Tetrachloride	7.77	117	340321	17.778	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	393654	17.528	ug/l	99
40) Benzene	8.04	78	1081987	20.714	ug/l	100
41) Methacrylonitrile	7.18	41	116706	19.488	ug/l	92
42) 1,2-Dichloroethane	8.12	62	338925	19.218	ug/l	98
43) Isopropyl Acetate	8.17	43	354285	19.244	ug/l	96
44) Trichloroethene	8.83	130	323174	19.916	ug/l	98
45) 1,2-Dichloropropane	9.12	63	283754	21.877	ug/l	98
46) Dibromomethane	9.21	93	178793	20.402	ug/l	99
47) Bromodichloromethane	9.40	83	334192	19.022	ug/l	98
48) Methyl methacrylate	9.20	41	187027	20.018	ug/l	91
49) 1,4-Dioxane	9.20	88	62021	469.310	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1039018	106.645	ug/l	95
52) Toluene	10.16	92	684670	20.672	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	281375	15.432	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	365759	17.865	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	259144	21.428	ug/l	99
56) Ethyl methacrylate	10.43	69	312607	21.679	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	420364	21.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	618039	108.969	ug/l	100
59) 2-Hexanone	10.75	43	657588	101.436	ug/l	95
60) Dibromochloromethane	10.90	129	256153	18.818	ug/l	100
61) 1,2-Dibromoethane	11.01	107	256610	20.880	ug/l	99
64) Tetrachloroethene	10.63	164	334526	20.056	ug/l	99
65) Chlorobenzene	11.43	112	782596	20.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	275283	20.005	ug/l	99
67) Ethyl Benzene	11.51	91	1281220	20.404	ug/l	99
68) m/p-Xylenes	11.62	106	994345	40.516	ug/l	99
69) o-Xylene	11.95	106	505892	21.146	ug/l	97
70) Styrene	11.96	104	793116	21.138	ug/l	98
71) Bromoform	12.13	173	165863	17.419	ug/l #	96
73) Isopropylbenzene	12.25	105	1318896	19.562	ug/l	100
74) N-amyl acetate	12.07	43	297623	19.888	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	297668	20.723	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	303931m	24.526	ug/l	
77) Bromobenzene	12.53	156	2411096	135.147	ug/l #	5
78) n-propylbenzene	12.59	91	1374584	18.790	ug/l	99
79) 2-Chlorotoluene	12.67	91	837967	19.051	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1140325	20.334	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	43347	11.958	ug/l #	82
82) 4-Chlorotoluene	12.77	91	827881	18.849	ug/l	97
83) tert-Butylbenzene	12.99	119	973395	18.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1058310	19.236	ug/l	97
85) sec-Butylbenzene	13.17	105	1217442	18.187	ug/l	100
86) p-Isopropyltoluene	13.29	119	1088881	18.541	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	572324	19.038	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	560094	18.966	ug/l	99
89) n-Butylbenzene	13.61	91	784708	17.586	ug/l	98
90) Hexachloroethane	13.87	117	143608	14.768	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	597810	20.342	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44528	20.033	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	323074	19.809	ug/l	99
94) Hexachlorobutadiene	15.01	225	173533	15.502	ug/l	99
95) Naphthalene	15.13	128	830017	24.368	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	333954	21.387	ug/l	98

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

