

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059230.D
 Acq On : 14 Nov 2019 13:53
 Operator : JC/SP
 Sample : VN1114MBSD01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1114MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:22:04 AM

Quant Time: Nov 15 07:09:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	639839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	266520	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	217130	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.08	98	823822	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	312338	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78247	17.812	ug/l	98
3) Chloromethane	2.04	50	102769	17.210	ug/l	99
4) Vinyl Chloride	2.17	62	107183	18.513	ug/l	98
5) Bromomethane	2.54	94	62344	18.713	ug/l	98
6) Chloroethane	2.68	64	63565	18.560	ug/l	99
7) Trichlorofluoromethane	3.00	101	135796	19.610	ug/l	98
8) Diethyl Ether	3.39	74	59143	21.019	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84756	20.299	ug/l	99
10) Methyl Iodide	3.93	142	104987	20.314	ug/l	97
11) Tert butyl alcohol	4.76	59	125466	122.833	ug/l	100
12) 1,1-Dichloroethene	3.71	96	82605	20.310	ug/l	99
13) Acrolein	3.59	56	37151	70.545	ug/l	98
14) Allyl chloride	4.30	41	162950	19.504	ug/l	96
15) Acrylonitrile	4.96	53	295528	116.258	ug/l	98
16) Acetone	3.80	43	239577	85.959	ug/l	96
17) Carbon Disulfide	4.03	76	216648	17.159	ug/l	99
18) Methyl Acetate	4.30	43	156426	23.645	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	304239	21.727	ug/l	98
20) Methylene Chloride	4.53	84	98667	20.320	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	88132	20.187	ug/l	95
22) Diisopropyl ether	5.92	45	331986	21.037	ug/l	93
23) Vinyl Acetate	5.87	43	1375910	112.499	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180430	20.471	ug/l	98
25) 2-Butanone	6.81	43	397374	108.180	ug/l	98
26) 2,2-Dichloropropane	6.80	77	144603	18.762	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	105413	20.812	ug/l	96
28) Bromochloromethane	7.17	49	52090	19.644	ug/l	98
29) Tetrahydrofuran	7.19	42	267852	114.761	ug/l	97
30) Chloroform	7.35	83	179023	21.174	ug/l	97
31) Cyclohexane	7.63	56	160028	19.179	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	150428	21.162	ug/l	99
36) 1,1-Dichloropropene	7.77	75	131300	20.344	ug/l	99
37) Ethyl Acetate	6.91	43	162152	22.585	ug/l	99
38) Carbon Tetrachloride	7.75	117	128494	20.003	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151211	20.188	ug/l	99
40) Benzene	8.02	78	396902	20.422	ug/l	98
41) Methacrylonitrile	7.16	41	63778m	20.428	ug/l	
42) 1,2-Dichloroethane	8.10	62	137020	20.556	ug/l	98
43) Isopropyl Acetate	8.15	43	245418	21.441	ug/l	99
44) Trichloroethene	8.82	130	98512	20.620	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111362	21.096	ug/l	97
46) Dibromomethane	9.19	93	68028	20.680	ug/l	98
47) Bromodichloromethane	9.39	83	139801	21.283	ug/l	99
48) Methyl methacrylate	9.19	41	110865	21.654	ug/l	97
49) 1,4-Dioxane	9.19	88	43898	482.456	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	818605	126.393	ug/l	100
52) Toluene	10.15	92	246508	21.162	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	160203	21.110	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171861	21.053	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	100295	21.274	ug/l	99
56) Ethyl methacrylate	10.42	69	168062	22.446	ug/l	96
57) 1,3-Dichloropropane	10.70	76	177606	21.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	314311	119.799	ug/l	100
59) 2-Hexanone	10.74	43	619470	124.614	ug/l	99
60) Dibromochloromethane	10.90	129	104991	21.064	ug/l	99
61) 1,2-Dibromoethane	11.00	107	103169	21.618	ug/l	100
64) Tetrachloroethene	10.62	164	87323	20.071	ug/l	96
65) Chlorobenzene	11.43	112	264345	21.193	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99611	21.289	ug/l	97
67) Ethyl Benzene	11.51	91	488480	22.073	ug/l	99
68) m/p-Xylenes	11.62	106	359684	43.390	ug/l	98
69) o-Xylene	11.95	106	176713	22.059	ug/l	98
70) Styrene	11.96	104	292517	23.217	ug/l	99
71) Bromoform	12.13	173	81074	22.277	ug/l #	98
73) Isopropylbenzene	12.25	105	471267	21.266	ug/l	100
74) N-amyl acetate	12.07	43	214726	22.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162694	21.558	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	147932m	21.328	ug/l	
77) Bromobenzene	12.53	156	136201	24.462	ug/l	80
78) n-propylbenzene	12.59	91	552474	21.773	ug/l	99
79) 2-Chlorotoluene	12.67	91	331619	21.067	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	404835	21.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54668	20.818	ug/l	99
82) 4-Chlorotoluene	12.77	91	329447	20.867	ug/l	97
83) tert-Butylbenzene	12.99	119	343288	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403978	22.236	ug/l	97
85) sec-Butylbenzene	13.17	105	454687	21.559	ug/l	100
86) p-Isopropyltoluene	13.29	119	421945	22.658	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	202559	21.245	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	197739	20.729	ug/l	99
89) n-Butylbenzene	13.62	91	364793	22.382	ug/l	99
90) Hexachloroethane	13.88	117	76313	20.408	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	197744	21.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40159	26.684	ug/l #	55

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124760	23.635	ug/l	97
94) Hexachlorobutadiene	15.01	225	65385	20.219	ug/l	97
95) Naphthalene	15.13	128	424438	28.292	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	128297	24.409	ug/l	100

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

