

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055702.D
 Acq On : 21 May 2019 12:18
 Operator : JC/SP
 Sample : VN0521MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:11:25 PM

Quant Time: May 22 05:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	310086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	452539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	156026	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.59	113	146625	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.09	98	541377	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	180875	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	48796	20.452	ug/l	99
3) Chloromethane	2.06	50	65186	20.484	ug/l	99
4) Vinyl Chloride	2.18	62	72196	20.951	ug/l	98
5) Bromomethane	2.53	94	48105	21.905	ug/l	99
6) Chloroethane	2.69	64	41687	21.788	ug/l	99
7) Trichlorofluoromethane	3.02	101	97071	21.983	ug/l	100
8) Diethyl Ether	3.41	74	40481	22.820	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60093	22.322	ug/l	98
10) Methyl Iodide	3.96	142	83143	21.423	ug/l	98
11) Tert butyl alcohol	4.77	59	71442	112.705	ug/l	98
12) 1,1-Dichloroethene	3.74	96	60320	21.300	ug/l	96
13) Acrolein	3.60	56	28308	88.434	ug/l	98
14) Allyl chloride	4.32	41	97918	21.418	ug/l	99
15) Acrylonitrile	4.98	53	160303	113.667	ug/l	100
16) Acetone	3.81	43	140855	101.541	ug/l	98
17) Carbon Disulfide	4.06	76	153439	19.491	ug/l	99
18) Methyl Acetate	4.32	43	68165	22.921	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	207998	22.202	ug/l	96
20) Methylene Chloride	4.55	84	70584	22.296	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	65543	21.727	ug/l	95
22) Diisopropyl ether	5.95	45	193973	21.412	ug/l	97
23) Vinyl Acetate	5.89	43	831099	108.120	ug/l	98
24) 1,1-Dichloroethane	5.85	63	116873	22.003	ug/l	99
25) 2-Butanone	6.83	43	211401	108.993	ug/l	99
26) 2,2-Dichloropropane	6.82	77	99696	21.148	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	78230	22.270	ug/l	95
28) Bromochloromethane	7.19	49	44303	19.172	ug/l	92
29) Tetrahydrofuran	7.21	42	138289	107.619	ug/l	97
30) Chloroform	7.37	83	121063	22.203	ug/l	98
31) Cyclohexane	7.65	56	103276	20.486	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	107174	21.915	ug/l	98
36) 1,1-Dichloropropene	7.79	75	86586	21.461	ug/l	99
37) Ethyl Acetate	6.92	43	89384	24.551	ug/l	99
38) Carbon Tetrachloride	7.77	117	95252	22.093	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105638	21.720	ug/l	98
40) Benzene	8.04	78	273037	23.008	ug/l	100
41) Methacrylonitrile	7.17	41	39265m	25.225	ug/l	
42) 1,2-Dichloroethane	8.12	62	89690	23.340	ug/l	100
43) Isopropyl Acetate	8.16	43	141710	22.376	ug/l	98
44) Trichloroethene	8.84	130	78271	23.374	ug/l	96
45) 1,2-Dichloropropane	9.12	63	71048	22.726	ug/l	100
46) Dibromomethane	9.21	93	48429	23.668	ug/l	97
47) Bromodichloromethane	9.40	83	97054	22.632	ug/l	100
48) Methyl methacrylate	9.20	41	65325	23.077	ug/l	98
49) 1,4-Dioxane	9.20	88	30457	541.477	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	418300	112.601	ug/l	99
52) Toluene	10.16	92	173689	23.335	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101193	21.924	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	113744	22.495	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	71518	23.339	ug/l	97
56) Ethyl methacrylate	10.43	69	107408	22.454	ug/l	97
57) 1,3-Dichloropropane	10.71	76	112881	23.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	172523	84.883	ug/l	97
59) 2-Hexanone	10.75	43	294162	112.470	ug/l	98
60) Dibromochloromethane	10.90	129	82650	23.798	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74465	24.287	ug/l	98
64) Tetrachloroethene	10.63	164	74581	23.812	ug/l	97
65) Chlorobenzene	11.43	112	186370	23.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	75576	23.389	ug/l	99
67) Ethyl Benzene	11.51	91	325720	22.764	ug/l	97
68) m/p-Xylenes	11.62	106	249925	46.254	ug/l	97
69) o-Xylene	11.95	106	126290	23.896	ug/l	94
70) Styrene	11.96	104	203566	23.166	ug/l	99
71) Bromoform	12.12	173	63811	23.303	ug/l #	99
73) Isopropylbenzene	12.25	105	329057	26.165	ug/l	99
74) N-amyl acetate	12.07	43	113749	23.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	99296	25.380	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	80056m	22.853	ug/l	
77) Bromobenzene	12.53	156	92183	26.145	ug/l	87
78) n-propylbenzene	12.59	91	342966	22.496	ug/l	98
79) 2-Chlorotoluene	12.67	91	211790	25.121	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	281397	26.378	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29268	21.477	ug/l	97
82) 4-Chlorotoluene	12.77	91	201306	22.411	ug/l	98
83) tert-Butylbenzene	12.99	119	245094	26.770	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	272002	25.618	ug/l	100
85) sec-Butylbenzene	13.17	105	309809	25.965	ug/l	99
86) p-Isopropyltoluene	13.29	119	286204	25.942	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	139727	23.969	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	129332	23.235	ug/l	99
89) n-Butylbenzene	13.61	91	216777	23.011	ug/l	99
90) Hexachloroethane	13.87	117	53312	25.033	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	137887	23.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18151	23.297	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66650	22.532	ug/l	98
94) Hexachlorobutadiene	15.01	225	50368	26.863	ug/l	98
95) Naphthalene	15.13	128	194563	22.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	70648	22.842	ug/l	100

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

