

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053598.D
 Acq On : 4 Feb 2019 15:56
 Operator : JC/SP
 Sample : VN0204MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:54:08 AM

Quant Time: Feb 05 03:07:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	717120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1132549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	990859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	467256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378494	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.59	113	360154	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	1331296	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	451129	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160146	20.013	ug/l	97
3) Chloromethane	2.06	50	181995	21.377	ug/l	99
4) Vinyl Chloride	2.19	62	172836	20.913	ug/l	100
5) Bromomethane	2.57	94	114499	21.189	ug/l	97
6) Chloroethane	2.71	64	98924	20.946	ug/l	99
7) Trichlorofluoromethane	3.02	101	225396	20.111	ug/l	99
8) Diethyl Ether	3.41	74	85047	20.779	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134858	19.457	ug/l	98
10) Methyl Iodide	3.96	142	217869	20.026	ug/l	99
11) Tert butyl alcohol	4.78	59	44277	103.994	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	135081	20.341	ug/l	98
13) Acrolein	3.61	56	41731	180.022	ug/l	97
14) Allyl chloride	4.33	41	210980	19.954	ug/l	98
15) Acrylonitrile	4.99	53	246596	107.286	ug/l	100
16) Acetone	3.82	43	162834	88.242	ug/l	99
17) Carbon Disulfide	4.06	76	369484	17.869	ug/l	100
18) Methyl Acetate	4.33	43	116391	21.298	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	355137	21.096	ug/l	99
20) Methylene Chloride	4.55	84	154741	19.988	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	143510	20.031	ug/l	100
22) Diisopropyl ether	5.95	45	422636	21.572	ug/l	93
23) Vinyl Acetate	5.90	43	1424605	105.112	ug/l	99
24) 1,1-Dichloroethane	5.85	63	266195	20.371	ug/l	99
25) 2-Butanone	6.83	43	262043	99.568	ug/l	99
26) 2,2-Dichloropropane	6.83	77	179713	18.016	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164352	20.630	ug/l	99
28) Bromochloromethane	7.20	49	118142	20.834	ug/l	99
29) Tetrahydrofuran	7.21	42	182475	107.976	ug/l	99
30) Chloroform	7.37	83	262981	20.302	ug/l	97
31) Cyclohexane	7.65	56	241811	19.773	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	213715	19.825	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197533	19.348	ug/l	98
37) Ethyl Acetate	6.93	43	121057	21.231	ug/l	99
38) Carbon Tetrachloride	7.77	117	185859	18.071	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222000	18.329	ug/l	98
40) Benzene	8.04	78	616461	19.581	ug/l	100
41) Methacrylonitrile	7.17	41	50253	15.769	ug/l #	69
42) 1,2-Dichloroethane	8.13	62	182257	19.497	ug/l	100
43) Isopropyl Acetate	8.17	43	217843	19.783	ug/l	99
44) Trichloroethene	8.84	130	170382	19.010	ug/l	97
45) 1,2-Dichloropropane	9.12	63	161293	20.030	ug/l	99
46) Dibromomethane	9.21	93	93298	19.220	ug/l	98
47) Bromodichloromethane	9.40	83	189954	18.821	ug/l	99
48) Methyl methacrylate	9.20	41	107203	20.395	ug/l	98
49) 1,4-Dioxane	9.20	88	30317	421.586	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	548559	101.376	ug/l	100
52) Toluene	10.16	92	370388	19.823	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184208	18.227	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	223824	18.690	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	134233	19.937	ug/l	99
56) Ethyl methacrylate	10.43	69	158269	19.871	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229768	19.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	429693	92.210	ug/l	99
59) 2-Hexanone	10.75	43	345751	94.122	ug/l	99
60) Dibromochloromethane	10.90	129	140804	18.545	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125319	18.805	ug/l	98
64) Tetrachloroethene	10.63	164	157181	18.505	ug/l	99
65) Chlorobenzene	11.44	112	400539	19.031	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	141512	19.252	ug/l	98
67) Ethyl Benzene	11.51	91	673635	19.484	ug/l	100
68) m/p-Xylenes	11.62	106	524744	39.767	ug/l	99
69) o-Xylene	11.95	106	256763	20.141	ug/l	97
70) Styrene	11.96	104	411919	19.936	ug/l	100
71) Bromoform	12.13	173	93394	18.533	ug/l #	99
73) Isopropylbenzene	12.25	105	659782	20.086	ug/l	100
74) N-amyl acetate	12.07	43	157509	19.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	157736	20.065	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	129088m	21.509	ug/l	
77) Bromobenzene	12.53	156	179755	20.305	ug/l	96
78) n-propylbenzene	12.59	91	755521	19.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	452408	20.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	562389	20.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36040	16.886	ug/l	95
82) 4-Chlorotoluene	12.77	91	455075	19.686	ug/l	100
83) tert-Butylbenzene	12.99	119	496372	20.619	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	570859	20.571	ug/l	100
85) sec-Butylbenzene	13.17	105	660568	20.164	ug/l	100
86) p-Isopropyltoluene	13.29	119	571535	19.948	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304276	19.120	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	302703	19.229	ug/l	100
89) n-Butylbenzene	13.62	91	479165	19.321	ug/l	100
90) Hexachloroethane	13.87	117	89714	18.983	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	295659	19.406	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22062	19.692	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169474	19.395	ug/l	98
94) Hexachlorobutadiene	15.01	225	96111	17.662	ug/l	99
95) Naphthalene	15.13	128	385390	19.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159716	19.700	ug/l	98

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

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