

Data File : VN055385.D
Acq On : 3 May 2019 13:17
Operator : JC/SP
Sample : VN0503MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBSD01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:09 AM

Quant Time: May 04 00:12:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	657544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205034	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	265474	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	212453	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	10.09	98	763319	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	247649	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	93199	18.877	ug/l	96
3) Chloromethane	2.06	50	109686	17.941	ug/l	99
4) Vinyl Chloride	2.19	62	91365	18.540	ug/l	96
5) Bromomethane	2.57	94	51871	19.871	ug/l	92
6) Chloroethane	2.71	64	53816	20.158	ug/l	99
7) Trichlorofluoromethane	3.02	101	135889	19.392	ug/l	99
8) Diethyl Ether	3.41	74	50942	20.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	80423	19.273	ug/l	100
10) Methyl Iodide	3.96	142	110351	18.791	ug/l	98
11) Tert butyl alcohol	4.80	59	28547	94.581	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	77036	19.352	ug/l	94
13) Acrolein	3.62	56	12152	51.554	ug/l	94
14) Allyl chloride	4.33	41	164623	19.968	ug/l	98
15) Acrylonitrile	4.99	53	167322	98.626	ug/l	99
16) Acetone	3.82	43	136649	83.189	ug/l	99
17) Carbon Disulfide	4.06	76	172065	16.563	ug/l	98
18) Methyl Acetate	4.33	43	86443	21.002	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	235916	21.081	ug/l	97
20) Methylene Chloride	4.55	84	91675	18.284	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	81971	19.443	ug/l	97
22) Diisopropyl ether	5.96	45	345874	21.114	ug/l	98
23) Vinyl Acetate	5.90	43	1101602	102.608	ug/l	100
24) 1,1-Dichloroethane	5.85	63	178497	20.451	ug/l	98
25) 2-Butanone	6.84	43	202754	96.517	ug/l	99
26) 2,2-Dichloropropane	6.83	77	116630	19.351	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99849	20.827	ug/l	99
28) Bromochloromethane	7.20	49	88643	20.149	ug/l	98
29) Tetrahydrofuran	7.22	42	138090	102.658	ug/l	98
30) Chloroform	7.37	83	164718	19.909	ug/l	98
31) Cyclohexane	7.66	56	160724	19.382	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	132211	19.689	ug/l	99
36) 1,1-Dichloropropene	7.79	75	116677	18.525	ug/l	100
37) Ethyl Acetate	6.94	43	92884	19.242	ug/l	99
38) Carbon Tetrachloride	7.78	117	110513	18.190	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124462	18.586	ug/l	99
40) Benzene	8.04	78	360669	19.425	ug/l	98
41) Methacrylonitrile	7.18	41	55847	21.801	ug/l	92
42) 1,2-Dichloroethane	8.13	62	126797	19.282	ug/l	100
43) Isopropyl Acetate	8.17	43	153560	19.795	ug/l #	90
44) Trichloroethene	8.84	130	92633	19.571	ug/l	98
45) 1,2-Dichloropropane	9.12	63	105814	19.760	ug/l	98
46) Dibromomethane	9.21	93	56793	19.403	ug/l	98
47) Bromodichloromethane	9.40	83	121081	19.282	ug/l	96
48) Methyl methacrylate	9.20	41	74908	19.643	ug/l	97
49) 1,4-Dioxane	9.20	88	14850	376.693	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	419691	96.093	ug/l	100
52) Toluene	10.16	92	206067	19.343	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	104190	19.113	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	133947	19.708	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	80113	20.251	ug/l	96
56) Ethyl methacrylate	10.43	69	96785	19.877	ug/l	98
57) 1,3-Dichloropropane	10.71	76	137241	19.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98401	74.291	ug/l	99
59) 2-Hexanone	10.75	43	251615	92.075	ug/l	100
60) Dibromochloromethane	10.90	129	79034	19.548	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71281	19.495	ug/l	99
64) Tetrachloroethene	10.63	164	92143	20.566	ug/l	98
65) Chlorobenzene	11.43	112	212260	19.816	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81401	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	392546	20.294	ug/l	100
68) m/p-Xylenes	11.62	106	282491	40.916	ug/l	99
69) o-Xylene	11.95	106	140355	20.510	ug/l	100
70) Styrene	11.96	104	221515	21.082	ug/l	99
71) Bromoform	12.13	173	44483	19.113	ug/l #	99
73) Isopropylbenzene	12.25	105	382136	21.629	ug/l	100
74) N-amyl acetate	12.07	43	111093	21.112	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	90024	20.269	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73407m	17.632	ug/l	
77) Bromobenzene	12.53	156	85110	20.457	ug/l	97
78) n-propylbenzene	12.59	91	415333	19.720	ug/l	99
79) 2-Chlorotoluene	12.67	91	254762	21.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	308178	19.172	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19101	17.654	ug/l #	83
82) 4-Chlorotoluene	12.77	91	233723	19.086	ug/l	99
83) tert-Butylbenzene	12.99	119	267230	21.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	302635	21.052	ug/l	99
85) sec-Butylbenzene	13.17	105	347613	19.897	ug/l	100
86) p-Isopropyltoluene	13.29	119	287016	19.988	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	132384	19.295	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	124584	19.282	ug/l	98
89) n-Butylbenzene	13.61	91	209408	20.523	ug/l	99
90) Hexachloroethane	13.87	117	46544	19.510	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135142	19.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11031	20.450	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40916	17.563	ug/l	95
94) Hexachlorobutadiene	15.01	225	50729	23.297	ug/l	98
95) Naphthalene	15.13	128	83857	17.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46143	19.177	ug/l	99

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

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