

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053504.D
 Acq On : 21 Jan 2019 14:04
 Operator : JC/SP
 Sample : VN0121MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:41 AM

Quant Time: Jan 22 04:55:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	714097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1074855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	370451	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	330250	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	10.09	98	1341448	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	467479	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	109545	19.080	ug/l	99
3) Chloromethane	2.06	50	153686	18.722	ug/l	99
4) Vinyl Chloride	2.19	62	149021	18.833	ug/l	98
5) Bromomethane	2.55	94	107435	19.788	ug/l	99
6) Chloroethane	2.70	64	93019	19.444	ug/l	98
7) Trichlorofluoromethane	3.02	101	206527	19.954	ug/l	100
8) Diethyl Ether	3.41	74	80032	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131202	20.016	ug/l	99
10) Methyl Iodide	3.95	142	192274	19.195	ug/l	100
11) Tert butyl alcohol	4.77	59	31077	89.982	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	125085	19.674	ug/l	97
13) Acrolein	3.60	56	57260	99.975	ug/l	98
14) Allyl chloride	4.32	41	207073	20.052	ug/l	99
15) Acrylonitrile	4.98	53	232231	102.173	ug/l	99
16) Acetone	3.81	43	153823	92.890	ug/l	100
17) Carbon Disulfide	4.06	76	349552	18.181	ug/l	99
18) Methyl Acetate	4.32	43	113438	20.332	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	344232	20.378	ug/l	100
20) Methylene Chloride	4.55	84	148691	19.667	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	135303	19.906	ug/l	98
22) Diisopropyl ether	5.95	45	447832	20.773	ug/l	100
23) Vinyl Acetate	5.89	43	1358572	102.516	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257731	20.223	ug/l	99
25) 2-Butanone	6.83	43	250386	98.119	ug/l	100
26) 2,2-Dichloropropane	6.82	77	183138	19.032	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158342	20.372	ug/l	100
28) Bromochloromethane	7.19	49	111370	19.836	ug/l	100
29) Tetrahydrofuran	7.21	42	166254	100.076	ug/l	99
30) Chloroform	7.37	83	256873	20.687	ug/l	99
31) Cyclohexane	7.65	56	239030	19.134	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	211507	20.080	ug/l	98
36) 1,1-Dichloropropene	7.79	75	196637	20.088	ug/l	99
37) Ethyl Acetate	6.92	43	111629	19.821	ug/l	98
38) Carbon Tetrachloride	7.77	117	183094	19.757	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	229711	18.986	ug/l	99
40) Benzene	8.04	78	600722	20.195	ug/l	98
41) Methacrylonitrile	7.17	41	65067	19.851	ug/l	96
42) 1,2-Dichloroethane	8.12	62	176563	20.374	ug/l	99
43) Isopropyl Acetate	8.16	43	207358	20.476	ug/l	99
44) Trichloroethene	8.83	130	167618	20.319	ug/l	98
45) 1,2-Dichloropropane	9.12	63	156824	19.904	ug/l	100
46) Dibromomethane	9.21	93	91126	20.131	ug/l	99
47) Bromodichloromethane	9.40	83	189762	19.934	ug/l	98
48) Methyl methacrylate	9.20	41	104231	19.935	ug/l	99
49) 1,4-Dioxane	9.20	88	17440	341.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	571473	103.376	ug/l	99
52) Toluene	10.15	92	369626	20.015	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190156	19.707	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	226479	20.022	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	131453	20.646	ug/l	98
56) Ethyl methacrylate	10.43	69	162942	19.349	ug/l	100
57) 1,3-Dichloropropane	10.71	76	226600	20.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	450953	101.243	ug/l	100
59) 2-Hexanone	10.75	43	379973	97.915	ug/l	100
60) Dibromochloromethane	10.90	129	144305	19.983	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129948	20.181	ug/l	100
64) Tetrachloroethene	10.63	164	188255	20.457	ug/l	99
65) Chlorobenzene	11.43	112	415678	20.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144638	20.115	ug/l	99
67) Ethyl Benzene	11.51	91	694561	19.718	ug/l	99
68) m/p-Xylenes	11.62	106	545645	41.027	ug/l	99
69) o-Xylene	11.95	106	266815	20.646	ug/l	97
70) Styrene	11.96	104	427903	20.402	ug/l	99
71) Bromoform	12.13	173	98582	19.914	ug/l #	99
73) Isopropylbenzene	12.25	105	696948	19.582	ug/l	100
74) N-amyl acetate	12.07	43	185711	19.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143823	19.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128047m	19.992	ug/l	
77) Bromobenzene	12.52	156	185856	19.817	ug/l	98
78) n-propylbenzene	12.59	91	808118	19.780	ug/l	99
79) 2-Chlorotoluene	12.67	91	481479	19.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	579892	20.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42759	18.573	ug/l	95
82) 4-Chlorotoluene	12.77	91	486726	19.709	ug/l	99
83) tert-Butylbenzene	12.99	119	516271	20.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	589514	20.190	ug/l	99
85) sec-Butylbenzene	13.17	105	701816	20.008	ug/l	100
86) p-Isopropyltoluene	13.29	119	610929	20.059	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334048	20.249	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324939	19.636	ug/l	99
89) n-Butylbenzene	13.61	91	504521	19.433	ug/l	100
90) Hexachloroethane	13.87	117	92361	19.336	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	321090	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20597	21.762	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	133254	21.564	ug/l	98
94) Hexachlorobutadiene	15.01	225	104964	22.170	ug/l	99
95) Naphthalene	15.13	128	220960	21.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	97631	22.273	ug/l	98

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

