

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054417.D
 Acq On : 19 Mar 2019 2:45
 Operator : JC/SP
 Sample : VN0318MBS02
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:22:55 AM

Quant Time: Mar 19 07:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1160810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1824846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	706490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	644089	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	613401	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.09	98	2164278	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	726706	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	221218	20.108	ug/l	98
3) Chloromethane	2.06	50	223307	20.896	ug/l	98
4) Vinyl Chloride	2.19	62	239458	19.605	ug/l	100
5) Bromomethane	2.57	94	143081	16.913	ug/l	98
6) Chloroethane	2.71	64	143282	19.388	ug/l	96
7) Trichlorofluoromethane	3.02	101	308416	18.992	ug/l	98
8) Diethyl Ether	3.41	74	158921	21.475	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	242368	19.916	ug/l	99
10) Methyl Iodide	3.94	142	298101	18.230	ug/l	100
11) Tert butyl alcohol	4.82	59	85529	101.203	ug/l	99
12) 1,1-Dichloroethene	3.73	96	241625	20.036	ug/l	100
13) Acrolein	3.61	56	47088	58.799	ug/l	97
14) Allyl chloride	4.31	41	305163	19.723	ug/l	98
15) Acrylonitrile	4.99	53	406410	117.069	ug/l	99
16) Acetone	3.82	43	275956	78.180	ug/l	99
17) Carbon Disulfide	4.04	76	486398	16.089	ug/l	98
18) Methyl Acetate	4.33	43	194772	27.274	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	669578	22.400	ug/l	99
20) Methylene Chloride	4.55	84	270183	23.312	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	238199	20.615	ug/l	99
22) Diisopropyl ether	5.96	45	685449	22.196	ug/l	98
23) Vinyl Acetate	5.90	43	2372238	104.188	ug/l	99
24) 1,1-Dichloroethane	5.85	63	440805	22.231	ug/l	99
25) 2-Butanone	6.85	43	459653	110.951	ug/l	100
26) 2,2-Dichloropropane	6.83	77	230057	13.194	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	291808	22.637	ug/l	94
28) Bromochloromethane	7.19	49	177580	21.907	ug/l	98
29) Tetrahydrofuran	7.22	42	314716	118.150	ug/l	99
30) Chloroform	7.37	83	473659	22.893	ug/l	99
31) Cyclohexane	7.65	56	370997	19.258	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	383128	20.503	ug/l	98
36) 1,1-Dichloropropene	7.79	75	329034	19.579	ug/l	100
37) Ethyl Acetate	6.94	43	200780	20.793	ug/l	98
38) Carbon Tetrachloride	7.77	117	333438	18.920	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363448	17.578	ug/l	98
40) Benzene	8.04	78	1027684	21.370	ug/l	98
41) Methacrylonitrile	7.18	41	111538	20.231	ug/l	96
42) 1,2-Dichloroethane	8.13	62	340499	20.972	ug/l	98
43) Isopropyl Acetate	8.17	43	338792	19.989	ug/l	99
44) Trichloroethene	8.83	130	300586	20.121	ug/l	97
45) 1,2-Dichloropropane	9.12	63	256963	21.519	ug/l	98
46) Dibromomethane	9.21	93	169442	21.001	ug/l	99
47) Bromodichloromethane	9.40	83	331764	20.511	ug/l	97
48) Methyl methacrylate	9.20	41	182428	21.209	ug/l	96
49) 1,4-Dioxane	9.21	88	55546	456.546	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1004533	111.993	ug/l	98
52) Toluene	10.16	92	644170	21.126	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	277667	16.399	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	345908	18.352	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	249607	22.419	ug/l	99
56) Ethyl methacrylate	10.43	69	289550	21.810	ug/l	95
57) 1,3-Dichloropropane	10.71	76	400125	21.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	557257	107.068	ug/l	99
59) 2-Hexanone	10.75	43	636821	106.700	ug/l	99
60) Dibromochloromethane	10.90	129	248587	19.836	ug/l	100
61) 1,2-Dibromoethane	11.01	107	245049	21.658	ug/l	99
64) Tetrachloroethene	10.63	164	314939	20.458	ug/l	98
65) Chlorobenzene	11.43	112	737884	21.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	263068	20.713	ug/l	98
67) Ethyl Benzene	11.51	91	1188550	20.508	ug/l	100
68) m/p-Xylenes	11.62	106	931431	41.120	ug/l	100
69) o-Xylene	11.95	106	467141	21.155	ug/l	98
70) Styrene	11.96	104	731292	21.117	ug/l	99
71) Bromoform	12.13	173	156528	17.758	ug/l #	99
73) Isopropylbenzene	12.25	105	1209643	21.401	ug/l	99
74) N-amyl acetate	12.07	43	271676	21.654	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	283008	23.500	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	245874m	23.666	ug/l	
77) Bromobenzene	12.53	156	323788	21.648	ug/l	99
78) n-propylbenzene	12.59	91	1277703	20.833	ug/l	100
79) 2-Chlorotoluene	12.67	91	796140	21.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	982064	20.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41936	13.798	ug/l #	79
82) 4-Chlorotoluene	12.77	91	774755	21.040	ug/l	100
83) tert-Butylbenzene	12.99	119	899167	20.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	973337	21.102	ug/l	100
85) sec-Butylbenzene	13.17	105	1118762	19.935	ug/l	99
86) p-Isopropyltoluene	13.29	119	960940	19.517	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	530772	21.060	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	509030	20.560	ug/l	99
89) n-Butylbenzene	13.62	91	690479	18.457	ug/l	100
90) Hexachloroethane	13.87	117	141135	17.311	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	543123	22.044	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39318	21.099	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247674	18.329	ug/l	98
94) Hexachlorobutadiene	15.01	225	158927	16.935	ug/l	99
95) Naphthalene	15.13	128	546789	19.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	256983	19.631	ug/l	100

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

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