

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054401.D
 Acq On : 18 Mar 2019 18:33
 Operator : JC/SP
 Sample : VN0318MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:24:17 AM

Quant Time: Mar 19 06:53:37 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	1150778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1848285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	683273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	643704	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	607823	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.09	98	2158698	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	705163	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	226705	20.786	ug/l	99
3) Chloromethane	2.06	50	211723	19.985	ug/l	98
4) Vinyl Chloride	2.19	62	245011	20.234	ug/l	99
5) Bromomethane	2.57	94	149895	17.873	ug/l	96
6) Chloroethane	2.71	64	148984	20.335	ug/l	98
7) Trichlorofluoromethane	3.03	101	315597	19.603	ug/l	99
8) Diethyl Ether	3.41	74	162890	22.203	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	252700	20.946	ug/l	100
10) Methyl Iodide	3.94	142	320168	19.625	ug/l	99
11) Tert butyl alcohol	4.82	59	73992	88.315	ug/l	99
12) 1,1-Dichloroethene	3.73	96	252783	21.144	ug/l	99
13) Acrolein	3.61	56	62519	78.748	ug/l	99
14) Allyl chloride	4.32	41	313954	20.468	ug/l	99
15) Acrylonitrile	5.00	53	390620	113.502	ug/l	99
16) Acetone	3.82	43	267811	76.534	ug/l	99
17) Carbon Disulfide	4.04	76	503757	16.809	ug/l	99
18) Methyl Acetate	4.33	43	187059	26.422	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	661533	22.324	ug/l	100
20) Methylene Chloride	4.55	84	255083	22.201	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	241238	21.060	ug/l	100
22) Diisopropyl ether	5.96	45	689341	22.517	ug/l	99
23) Vinyl Acetate	5.90	43	2329616	103.208	ug/l	100
24) 1,1-Dichloroethane	5.85	63	442697	22.521	ug/l	99
25) 2-Butanone	6.85	43	430800	104.893	ug/l	100
26) 2,2-Dichloropropane	6.82	77	274534	15.882	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	290637	22.743	ug/l	97
28) Bromochloromethane	7.19	49	168764	21.001	ug/l	99
29) Tetrahydrofuran	7.22	42	289947	109.801	ug/l	99
30) Chloroform	7.37	83	469434	22.886	ug/l	99
31) Cyclohexane	7.65	56	374280	19.620	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	389758	21.040	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336473	19.768	ug/l	100
37) Ethyl Acetate	6.94	43	187660	19.188	ug/l	99
38) Carbon Tetrachloride	7.77	117	336552	18.855	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357034	17.048	ug/l	99
40) Benzene	8.04	78	1033211	21.212	ug/l	97
41) Methacrylonitrile	7.18	41	107586	19.266	ug/l	97
42) 1,2-Dichloroethane	8.13	62	343120	20.865	ug/l	99
43) Isopropyl Acetate	8.17	43	322793	18.803	ug/l	99
44) Trichloroethene	8.83	130	305484	20.189	ug/l	99
45) 1,2-Dichloropropane	9.12	63	261819	21.648	ug/l	100
46) Dibromomethane	9.21	93	166653	20.394	ug/l	98
47) Bromodichloromethane	9.40	83	330920	20.200	ug/l	99
48) Methyl methacrylate	9.20	41	175105	20.100	ug/l	97
49) 1,4-Dioxane	9.20	88	50719	411.585	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	944079	103.919	ug/l	99
52) Toluene	10.16	92	637480	20.641	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	284016	16.542	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	356404	18.669	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	240539	21.330	ug/l	99
56) Ethyl methacrylate	10.43	69	271005	20.155	ug/l	97
57) 1,3-Dichloropropane	10.71	76	396026	21.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	497168	96.317	ug/l	100
59) 2-Hexanone	10.75	43	575268	95.164	ug/l	99
60) Dibromochloromethane	10.90	129	246363	19.410	ug/l	99
61) 1,2-Dibromoethane	11.01	107	240735	21.007	ug/l	99
64) Tetrachloroethene	10.63	164	298609	19.594	ug/l	98
65) Chlorobenzene	11.43	112	732770	21.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	263534	20.961	ug/l	99
67) Ethyl Benzene	11.51	91	1180533	20.577	ug/l	99
68) m/p-Xylenes	11.62	106	935594	41.724	ug/l	98
69) o-Xylene	11.95	106	465965	21.317	ug/l	98
70) Styrene	11.96	104	707715	20.644	ug/l	99
71) Bromoform	12.13	173	152501	17.514	ug/l #	97
73) Isopropylbenzene	12.25	105	1198091	21.917	ug/l	100
74) N-amyl acetate	12.07	43	243971	20.106	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	281469	24.167	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	234876m	23.376	ug/l	
77) Bromobenzene	12.53	156	316667	21.891	ug/l	99
78) n-propylbenzene	12.59	91	1246532	21.015	ug/l	100
79) 2-Chlorotoluene	12.67	91	785055	22.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	946380	20.813	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	38500	13.098	ug/l #	71
82) 4-Chlorotoluene	12.77	91	759231	21.319	ug/l	100
83) tert-Butylbenzene	12.99	119	873585	20.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	967864	21.697	ug/l	100
85) sec-Butylbenzene	13.17	105	1067384	19.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	920889	19.339	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	513130	21.052	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	496832	20.749	ug/l	99
89) n-Butylbenzene	13.61	91	635153	17.555	ug/l	99
90) Hexachloroethane	13.87	117	134842	17.102	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	527175	22.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34991	19.415	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	217689	16.887	ug/l	99
94) Hexachlorobutadiene	15.01	225	145150	15.992	ug/l	99
95) Naphthalene	15.13	128	477665	18.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	229064	18.093	ug/l	99

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

