

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055870.D
 Acq On : 29 May 2019 12:03
 Operator : JC/SP
 Sample : VN0529MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:00 AM

Quant Time: May 30 09:03:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	348109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	509530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	444435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	183311	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.59	113	159656	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.09	98	614868	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	200831	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42446	18.118	ug/l	100
3) Chloromethane	2.06	50	60106	18.311	ug/l	99
4) Vinyl Chloride	2.18	62	64387	18.391	ug/l	99
5) Bromomethane	2.54	94	44629	20.375	ug/l	99
6) Chloroethane	2.69	64	41200	19.546	ug/l	97
7) Trichlorofluoromethane	3.01	101	88825	19.352	ug/l	97
8) Diethyl Ether	3.41	74	39757	19.325	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55293	19.298	ug/l	100
10) Methyl Iodide	3.94	142	82413	19.673	ug/l	100
11) Tert butyl alcohol	4.81	59	66405	96.676	ug/l	98
12) 1,1-Dichloroethene	3.72	96	54882	18.538	ug/l	98
13) Acrolein	3.60	56	39370	80.047	ug/l	98
14) Allyl chloride	4.31	41	95664	18.849	ug/l	99
15) Acrylonitrile	4.99	53	160403	101.697	ug/l	100
16) Acetone	3.82	43	157411	99.609	ug/l	99
17) Carbon Disulfide	4.04	76	133708	15.896	ug/l	100
18) Methyl Acetate	4.33	43	70738	21.293	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	196945	19.946	ug/l	99
20) Methylene Chloride	4.54	84	67657	19.769	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	61115	19.215	ug/l	96
22) Diisopropyl ether	5.96	45	197502	20.008	ug/l	99
23) Vinyl Acetate	5.90	43	813842	96.159	ug/l	100
24) 1,1-Dichloroethane	5.84	63	110054	19.149	ug/l	98
25) 2-Butanone	6.84	43	221602	100.409	ug/l	99
26) 2,2-Dichloropropane	6.82	77	91167	18.328	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	74182	19.991	ug/l	98
28) Bromochloromethane	7.19	49	55411	20.250	ug/l	99
29) Tetrahydrofuran	7.22	42	139974	100.152	ug/l	99
30) Chloroform	7.37	83	114124	19.911	ug/l	98
31) Cyclohexane	7.65	56	103860	19.248	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	97634	19.089	ug/l	99
36) 1,1-Dichloropropene	7.79	75	80277	18.079	ug/l	99
37) Ethyl Acetate	6.93	43	87991	20.503	ug/l	98
38) Carbon Tetrachloride	7.77	117	82408	17.817	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102018	18.554	ug/l	99
40) Benzene	8.04	78	262130	19.588	ug/l	99
41) Methacrylonitrile	7.17	41	36245	16.717	ug/l	88
42) 1,2-Dichloroethane	8.12	62	86268	19.728	ug/l	100
43) Isopropyl Acetate	8.17	43	137996	19.138	ug/l #	91
44) Trichloroethene	8.83	130	73285	19.643	ug/l	99
45) 1,2-Dichloropropane	9.12	63	69174	19.840	ug/l	99
46) Dibromomethane	9.21	93	45529	19.911	ug/l	98
47) Bromodichloromethane	9.40	83	87209	18.600	ug/l	99
48) Methyl methacrylate	9.20	41	67314	20.256	ug/l	98
49) 1,4-Dioxane	9.20	88	28383	410.997	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	428347	100.584	ug/l	100
52) Toluene	10.16	92	167106	19.854	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	89970	17.977	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	104311	18.814	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67621	20.055	ug/l	99
56) Ethyl methacrylate	10.43	69	101115	19.404	ug/l	98
57) 1,3-Dichloropropane	10.71	76	108410	19.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	177873	89.320	ug/l	100
59) 2-Hexanone	10.75	43	297277	98.401	ug/l	100
60) Dibromochloromethane	10.90	129	72002	18.331	ug/l	100
61) 1,2-Dibromoethane	11.01	107	69002	19.730	ug/l	99
64) Tetrachloroethene	10.63	164	74359	19.837	ug/l	99
65) Chlorobenzene	11.43	112	179423	20.167	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	68683	19.356	ug/l	99
67) Ethyl Benzene	11.51	91	318426	19.958	ug/l	99
68) m/p-Xylenes	11.62	106	240123	39.810	ug/l	98
69) o-Xylene	11.95	106	116886	19.532	ug/l	98
70) Styrene	11.96	104	188915	19.494	ug/l	100
71) Bromoform	12.13	173	50974	16.841	ug/l #	99
73) Isopropylbenzene	12.25	105	308162	22.217	ug/l	99
74) N-amyl acetate	12.07	43	109609	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	91600	21.926	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77851m	23.035	ug/l	
77) Bromobenzene	12.53	156	79871	20.476	ug/l	99
78) n-propylbenzene	12.59	91	318358	20.038	ug/l	100
79) 2-Chlorotoluene	12.67	91	199976	21.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	253468	21.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23935	17.617	ug/l	92
82) 4-Chlorotoluene	12.77	91	186134	19.931	ug/l	99
83) tert-Butylbenzene	12.99	119	227893	22.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	247375	21.295	ug/l	98
85) sec-Butylbenzene	13.17	105	285146	21.842	ug/l	99
86) p-Isopropyltoluene	13.29	119	254922	20.081	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123413	19.981	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	114219	19.450	ug/l	98
89) n-Butylbenzene	13.61	91	181654	18.676	ug/l	100
90) Hexachloroethane	13.87	117	43209	17.883	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	125251	20.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15180	18.742	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	54893	17.993	ug/l	100
94) Hexachlorobutadiene	15.01	225	46346	20.285	ug/l	98
95) Naphthalene	15.13	128	174771	20.668	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61142	18.770	ug/l	99

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

