

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060136.D
 Acq On : 18 Feb 2020 12:08
 Operator : JC/MD
 Sample : VN0218MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:06:10 PM

Quant Time: Feb 18 12:32:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	280957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112517	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.56	113	89780	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	340537	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	122852	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33874	19.173	ug/l	97
3) Chloromethane	2.03	50	41682	19.825	ug/l	99
4) Vinyl Chloride	2.17	62	46354	19.342	ug/l	97
5) Bromomethane	2.55	94	28383	19.315	ug/l	98
6) Chloroethane	2.69	64	22665	18.698	ug/l	91
7) Trichlorofluoromethane	3.00	101	57432	18.587	ug/l	98
8) Diethyl Ether	3.38	74	21025	20.442	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32591	18.998	ug/l	99
10) Methyl Iodide	3.93	142	44238	20.723	ug/l	98
11) Tert butyl alcohol	4.73	59	34920	108.495	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31674	18.953	ug/l	99
13) Acrolein	3.58	56	25241	79.340	ug/l	97
14) Allyl chloride	4.29	41	46043	18.719	ug/l	98
15) Acrylonitrile	4.95	53	83317	105.998	ug/l	99
16) Acetone	3.78	43	83003	88.473	ug/l	100
17) Carbon Disulfide	4.03	76	92713	18.406	ug/l	100
18) Methyl Acetate	4.29	43	37397	21.220	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	113532	20.201	ug/l	100
20) Methylene Chloride	4.52	84	36739	19.628	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	34729	19.064	ug/l	99
22) Diisopropyl ether	5.91	45	107894	20.015	ug/l	99
23) Vinyl Acetate	5.86	43	457795	101.128	ug/l	99
24) 1,1-Dichloroethane	5.82	63	64212	19.663	ug/l	98
25) 2-Butanone	6.80	43	116020	98.328	ug/l	98
26) 2,2-Dichloropropane	6.80	77	58322	18.803	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	41087	19.272	ug/l	99
28) Bromochloromethane	7.17	49	25439	19.815	ug/l	100
29) Tetrahydrofuran	7.18	42	73903	102.096	ug/l	99
30) Chloroform	7.35	83	66201	19.353	ug/l	100
31) Cyclohexane	7.63	56	58191	19.129	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	58132	18.596	ug/l	98
36) 1,1-Dichloropropene	7.77	75	48368	18.586	ug/l	100
37) Ethyl Acetate	6.90	43	47601	20.239	ug/l	100
38) Carbon Tetrachloride	7.75	117	52080	18.427	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58776	18.195	ug/l	98
40) Benzene	8.02	78	145686	18.872	ug/l	99
41) Methacrylonitrile	7.18	41	69673	70.639	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	54230	20.044	ug/l	99
43) Isopropyl Acetate	8.14	43	81159	20.187	ug/l	99
44) Trichloroethene	8.82	130	40152	18.785	ug/l	98
45) 1,2-Dichloropropane	9.10	63	37578	19.662	ug/l	100
46) Dibromomethane	9.19	93	27537	20.389	ug/l	98
47) Bromodichloromethane	9.39	83	53088	19.334	ug/l	98
48) Methyl methacrylate	9.18	41	35688	19.785	ug/l	97
49) 1,4-Dioxane	9.18	88	14132	458.533	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	237194	101.928	ug/l	99
52) Toluene	10.14	92	92150	18.615	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60167	19.413	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	63280	19.389	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	37841	19.594	ug/l	98
56) Ethyl methacrylate	10.42	69	53845	19.709	ug/l	98
57) 1,3-Dichloropropane	10.70	76	62698	19.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	129175	101.494	ug/l	99
59) 2-Hexanone	10.74	43	172775	96.114	ug/l	99
60) Dibromochloromethane	10.89	129	43245	19.513	ug/l	99
61) 1,2-Dibromoethane	11.00	107	40149	19.832	ug/l	99
64) Tetrachloroethene	10.62	164	37557	18.914	ug/l	99
65) Chlorobenzene	11.43	112	101343	19.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39072	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	181129	18.871	ug/l	99
68) m/p-Xylenes	11.62	106	134584	37.361	ug/l	99
69) o-Xylene	11.94	106	65860	18.988	ug/l	99
70) Styrene	11.96	104	104111	18.614	ug/l	99
71) Bromoform	12.12	173	31255	19.303	ug/l #	99
73) Isopropylbenzene	12.25	105	175499	18.313	ug/l	100
74) N-amyl acetate	12.07	43	67604	19.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	54671	19.819	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	73073	29.761	ug/l #	100
77) Bromobenzene	12.52	156	44760	18.820	ug/l	98
78) n-propylbenzene	12.59	91	198897	18.216	ug/l	100
79) 2-Chlorotoluene	12.67	91	117178	18.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	149672	18.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19138	19.085	ug/l	96
82) 4-Chlorotoluene	12.77	91	120268	18.266	ug/l	99
83) tert-Butylbenzene	12.99	119	126890	18.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	149351	18.988	ug/l	99
85) sec-Butylbenzene	13.17	105	168847	18.087	ug/l	100
86) p-Isopropyltoluene	13.29	119	156961	18.558	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78127	18.558	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78852	18.734	ug/l	99
89) n-Butylbenzene	13.61	91	134477	18.077	ug/l	100
90) Hexachloroethane	13.87	117	28350	17.942	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	77259	18.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11569	19.250	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	47182	19.490	ug/l	98
94) Hexachlorobutadiene	15.01	225	26195	18.484	ug/l	99
95) Naphthalene	15.13	128	131863	20.165	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47347	19.640	ug/l	99

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

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