

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060171.D
 Acq On : 20 Feb 2020 14:48
 Operator : JC/MD
 Sample : VN0220MBSD01
 Misc : 5.00µg/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220MBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:15:04 AM

Quant Time: Feb 21 03:14:00 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	205140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127330	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.56	113	99320	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.08	98	378508	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	139555	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	35704	17.412	ug/l 99
3) Chloromethane	2.04	50	42554	17.439	ug/l 100
4) Vinyl Chloride	2.17	62	47306	17.008	ug/l 100
5) Bromomethane	2.55	94	32183	18.870	ug/l 98
6) Chloroethane	2.69	64	26008	18.487	ug/l 96
7) Trichlorofluoromethane	3.00	101	64793	18.068	ug/l 99
8) Diethyl Ether	3.38	74	24148	20.229	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36635	18.401	ug/l 98
10) Methyl Iodide	3.93	142	48003	19.537	ug/l 98
11) Tert butyl alcohol	4.73	59	37071	99.241	ug/l 100
12) 1,1-Dichloroethene	3.72	96	35600	18.355	ug/l 98
13) Acrolein	3.58	56	30805	83.431	ug/l 96
14) Allyl chloride	4.29	41	54721	19.169	ug/l 92
15) Acrylonitrile	4.94	53	91621	100.435	ug/l 99
16) Acetone	3.78	43	83597	76.777	ug/l 100
17) Carbon Disulfide	4.03	76	98685	16.881	ug/l 97
18) Methyl Acetate	4.29	43	43042	21.044	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	127567	19.558	ug/l 99
20) Methylene Chloride	4.52	84	41621	19.160	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	39072	18.481	ug/l 100
22) Diisopropyl ether	5.91	45	122325	19.552	ug/l 99
23) Vinyl Acetate	5.86	43	513071	97.656	ug/l 98
24) 1,1-Dichloroethane	5.82	63	71179	18.781	ug/l 99
25) 2-Butanone	6.80	43	123538	90.213	ug/l 97
26) 2,2-Dichloropropane	6.80	77	64537	17.928	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	45114	18.233	ug/l 100
28) Bromochloromethane	7.17	49	30223	20.284	ug/l 98
29) Tetrahydrofuran	7.18	42	82431	98.121	ug/l 98
30) Chloroform	7.35	83	74271	18.708	ug/l 98
31) Cyclohexane	7.63	56	64130	18.165	ug/l 96
32) 1,1,1-Trichloroethane	7.54	97	66581	18.352	ug/l 100
36) 1,1-Dichloropropene	7.77	75	54229	18.261	ug/l 99
37) Ethyl Acetate	6.90	43	53231	19.834	ug/l 100
38) Carbon Tetrachloride	7.75	117	57717	17.896	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65509	17.771	ug/l	97
40) Benzene	8.02	78	161067	18.284	ug/l	99
41) Methacrylonitrile	7.15	41	23209m	20.621	ug/l	
42) 1,2-Dichloroethane	8.10	62	59747	19.352	ug/l	99
43) Isopropyl Acetate	8.14	43	90237	19.669	ug/l	99
44) Trichloroethene	8.82	130	43923	18.008	ug/l	96
45) 1,2-Dichloropropane	9.10	63	42780	19.616	ug/l	98
46) Dibromomethane	9.19	93	29267	18.990	ug/l	98
47) Bromodichloromethane	9.39	83	58374	18.630	ug/l	98
48) Methyl methacrylate	9.18	41	38238	18.577	ug/l	99
49) 1,4-Dioxane	9.18	88	15000	426.506	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	256157	96.463	ug/l	100
52) Toluene	10.14	92	105487	18.674	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	67167	18.991	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	70257	18.865	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41576	18.866	ug/l	98
56) Ethyl methacrylate	10.42	69	58843	18.875	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69177	19.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	146081	100.583	ug/l	99
59) 2-Hexanone	10.74	43	187701	91.504	ug/l	99
60) Dibromochloromethane	10.89	129	45770	18.099	ug/l	97
61) 1,2-Dibromoethane	10.99	107	43037	18.629	ug/l	99
64) Tetrachloroethene	10.62	164	41449	18.090	ug/l	99
65) Chlorobenzene	11.43	112	111152	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42222	18.175	ug/l	97
67) Ethyl Benzene	11.50	91	201793	18.220	ug/l	99
68) m/p-Xylenes	11.62	106	152172	36.608	ug/l	100
69) o-Xylene	11.94	106	72796	18.189	ug/l	98
70) Styrene	11.96	104	114662	17.766	ug/l	100
71) Bromoform	12.12	173	33819	18.100	ug/l #	98
73) Isopropylbenzene	12.25	105	194801	17.978	ug/l	99
74) N-amyl acetate	12.07	43	74874	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58711	18.824	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53152m	19.146	ug/l	
77) Bromobenzene	12.52	156	51982	19.331	ug/l	96
78) n-propylbenzene	12.59	91	223464	18.101	ug/l	99
79) 2-Chlorotoluene	12.67	91	131067	18.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	164059	18.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20747	18.298	ug/l	99
82) 4-Chlorotoluene	12.77	91	134433	18.057	ug/l	100
83) tert-Butylbenzene	12.99	119	139829	17.545	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165749	18.637	ug/l	99
85) sec-Butylbenzene	13.17	105	185580	17.582	ug/l	99
86) p-Isopropyltoluene	13.28	119	169272	17.700	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86450	18.162	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	86835	18.246	ug/l	98
89) n-Butylbenzene	13.61	91	150807	17.929	ug/l	99
90) Hexachloroethane	13.87	117	30970	17.335	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86160	18.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12399	18.206	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52456	19.165	ug/l	99
94) Hexachlorobutadiene	15.01	225	28139	17.561	ug/l	98
95) Naphthalene	15.13	128	146781	19.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52037	19.091	ug/l	99

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

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