

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060189.D
 Acq On : 21 Feb 2020 15:03
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:21 AM

Quant Time: Feb 21 23:09:50 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	176363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124908	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	111388	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.56	113	88166	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.08	98	329858	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.39	95	120886	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	32539	18.458	ug/l	100
3) Chloromethane	2.04	50	37566	17.907	ug/l	98
4) Vinyl Chloride	2.17	62	43281	18.100	ug/l	99
5) Bromomethane	2.55	94	27463	18.730	ug/l	99
6) Chloroethane	2.69	64	22681	18.753	ug/l	97
7) Trichlorofluoromethane	3.00	101	56802	18.424	ug/l	98
8) Diethyl Ether	3.38	74	20621	20.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31614	18.470	ug/l	99
10) Methyl Iodide	3.93	142	41506	19.635	ug/l	99
11) Tert butyl alcohol	4.72	59	30749	95.748	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31060	18.627	ug/l	97
13) Acrolein	3.58	56	25082	79.016	ug/l	95
14) Allyl chloride	4.29	41	47693	19.433	ug/l	95
15) Acrylonitrile	4.94	53	80613	102.787	ug/l	98
16) Acetone	3.78	43	75250	80.388	ug/l	99
17) Carbon Disulfide	4.03	76	85647	17.041	ug/l	100
18) Methyl Acetate	4.29	43	37007	21.045	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	111151	19.822	ug/l	98
20) Methylene Chloride	4.52	84	35971	19.261	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34833	19.164	ug/l	93
22) Diisopropyl ether	5.91	45	108510	20.174	ug/l	99
23) Vinyl Acetate	5.86	43	451814	100.029	ug/l	100
24) 1,1-Dichloroethane	5.82	63	63849	19.596	ug/l	99
25) 2-Butanone	6.80	43	107138	91.003	ug/l	98
26) 2,2-Dichloropropane	6.79	77	58104	18.775	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	41072	19.308	ug/l	99
28) Bromochloromethane	7.17	49	24615	19.216	ug/l	98
29) Tetrahydrofuran	7.18	42	70203	97.200	ug/l	98
30) Chloroform	7.35	83	66986	19.626	ug/l	99
31) Cyclohexane	7.63	56	56913	18.751	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	59221	18.987	ug/l	100
36) 1,1-Dichloropropene	7.77	75	47947	18.783	ug/l	99
37) Ethyl Acetate	6.89	43	46269	20.056	ug/l	99
38) Carbon Tetrachloride	7.75	117	51461	18.563	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58441	18.443	ug/l	100
40) Benzene	8.02	78	145032	19.153	ug/l	99
41) Methacrylonitrile	7.15	41	21204m	21.917	ug/l	
42) 1,2-Dichloroethane	8.10	62	54472	20.525	ug/l	99
43) Isopropyl Acetate	8.14	43	78533	19.914	ug/l #	92
44) Trichloroethene	8.81	130	39896	19.028	ug/l	95
45) 1,2-Dichloropropane	9.10	63	38067	20.306	ug/l	99
46) Dibromomethane	9.19	93	26310	19.860	ug/l	99
47) Bromodichloromethane	9.38	83	54087	20.082	ug/l	99
48) Methyl methacrylate	9.18	41	33280	18.809	ug/l	98
49) 1,4-Dioxane	9.18	88	12421	410.864	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	226745	99.335	ug/l	100
52) Toluene	10.14	92	91945	18.935	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	58898	19.373	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63577	19.860	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	38307	20.222	ug/l	99
56) Ethyl methacrylate	10.42	69	51276	19.134	ug/l	96
57) 1,3-Dichloropropane	10.70	76	62129	19.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	123320	98.780	ug/l	98
59) 2-Hexanone	10.74	43	162714	92.279	ug/l	100
60) Dibromochloromethane	10.89	129	42038	19.338	ug/l	99
61) 1,2-Dibromoethane	10.99	107	37811	19.041	ug/l	97
64) Tetrachloroethene	10.62	164	37213	19.107	ug/l	97
65) Chlorobenzene	11.42	112	98516	18.874	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	38922	19.711	ug/l	98
67) Ethyl Benzene	11.50	91	179949	19.115	ug/l	100
68) m/p-Xylenes	11.61	106	134123	37.960	ug/l	100
69) o-Xylene	11.94	106	65152	19.151	ug/l	100
70) Styrene	11.96	104	102841	18.746	ug/l	100
71) Bromoform	12.12	173	30014	18.898	ug/l #	98
73) Isopropylbenzene	12.24	105	176321	18.903	ug/l	100
74) N-amyl acetate	12.06	43	65076	19.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	52486	19.550	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46135m	19.305	ug/l	
77) Bromobenzene	12.52	156	43912	18.970	ug/l	98
78) n-propylbenzene	12.59	91	199057	18.731	ug/l	100
79) 2-Chlorotoluene	12.67	91	117490	18.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	145767	18.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18203	18.650	ug/l	98
82) 4-Chlorotoluene	12.77	91	120310	18.774	ug/l	99
83) tert-Butylbenzene	12.99	119	128341	18.707	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	147558	19.275	ug/l	99
85) sec-Butylbenzene	13.17	105	168562	18.552	ug/l	100
86) p-Isopropyltoluene	13.28	119	153075	18.595	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	76957	18.782	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	76559	18.688	ug/l	98
89) n-Butylbenzene	13.61	91	135618	18.730	ug/l	99
90) Hexachloroethane	13.87	117	27460	17.856	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	75842	18.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10554	17.994	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	43860	18.615	uq/l	99
94) Hexachlorobutadiene	15.00	225	25686	18.622	uq/l	99
95) Naphthalene	15.13	128	115662	18.173	uq/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44031	18.766	uq/l	98

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

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