

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060492.D
 Acq On : 13 Mar 2020 11:17
 Operator : JC/MD
 Sample : VN0313MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:48 PM

Quant Time: Mar 16 08:09:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119689	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.56	113	88847	61.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.62%	
50) Toluene-d8	10.08	98	340619	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.40	95	128231	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	24972	14.255	ug/l	100
3) Chloromethane	2.03	50	48687	15.963	ug/l	99
4) Vinyl Chloride	2.16	62	39131	14.960	ug/l	99
5) Bromomethane	2.54	94	17590	15.025	ug/l	98
6) Chloroethane	2.68	64	22654	15.985	ug/l	96
7) Trichlorofluoromethane	3.00	101	53542	16.021	ug/l	99
8) Diethyl Ether	3.38	74	22982	18.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32957	17.425	ug/l	99
10) Methyl Iodide	3.93	142	22653	13.123	ug/l	98
11) Tert butyl alcohol	4.73	59	40063	110.059	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31701	17.219	ug/l	97
13) Acrolein	3.58	56	33234	97.865	ug/l	98
14) Allyl chloride	4.29	41	61841	18.271	ug/l	98
15) Acrylonitrile	4.94	53	103013	107.364	ug/l	99
16) Acetone	3.78	43	87433	110.443	ug/l	99
17) Carbon Disulfide	4.03	76	73445	14.578	ug/l	100
18) Methyl Acetate	4.29	43	54396	20.590	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127706	19.161	ug/l	97
20) Methylene Chloride	4.52	84	38692	17.796	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34667	17.299	ug/l	98
22) Diisopropyl ether	5.91	45	135076	19.702	ug/l	95
23) Vinyl Acetate	5.86	43	539309	98.995	ug/l	99
24) 1,1-Dichloroethane	5.82	63	71648	18.462	ug/l	99
25) 2-Butanone	6.80	43	139164	108.831	ug/l	99
26) 2,2-Dichloropropane	6.79	77	61515	17.411	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42267	16.766	ug/l	98
28) Bromochloromethane	7.17	49	31420	19.719	ug/l	97
29) Tetrahydrofuran	7.18	42	95476	107.374	ug/l	97
30) Chloroform	7.34	83	71885	18.607	ug/l	100
31) Cyclohexane	7.63	56	60891	17.515	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	60656	17.721	ug/l	100
36) 1,1-Dichloropropene	7.77	75	49689	16.700	ug/l	99
37) Ethyl Acetate	6.90	43	59916	21.267	ug/l	99
38) Carbon Tetrachloride	7.75	117	47317	16.333	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55136	15.716	ug/l	98
40) Benzene	8.02	78	155497	17.955	ug/l	99
41) Methacrylonitrile	7.14	41	26518	20.385	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58158	18.610	ug/l	100
43) Isopropyl Acetate	8.14	43	99594	20.192	ug/l	99
44) Trichloroethene	8.82	130	40736	16.889	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44271	19.552	ug/l	97
46) Dibromomethane	9.19	93	27723	18.870	ug/l	97
47) Bromodichloromethane	9.39	83	56127	18.784	ug/l	98
48) Methyl methacrylate	9.18	41	43405	19.298	ug/l	99
49) 1,4-Dioxane	9.18	88	13876	438.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	298064	106.584	ug/l	100
52) Toluene	10.14	92	95459	17.548	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65291	17.832	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	69889	18.421	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40414	18.474	ug/l	98
56) Ethyl methacrylate	10.42	69	61289	19.501	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68595	19.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	152296	92.651	ug/l	99
59) 2-Hexanone	10.74	43	214013	104.230	ug/l	99
60) Dibromochloromethane	10.89	129	42113	18.929	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40854	19.157	ug/l	96
64) Tetrachloroethene	10.62	164	40240	16.780	ug/l	99
65) Chlorobenzene	11.43	112	99750	17.127	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39009	18.115	ug/l	99
67) Ethyl Benzene	11.50	91	185902	17.528	ug/l	99
68) m/p-Xylenes	11.62	106	136054	34.000	ug/l	100
69) o-Xylene	11.94	106	67283	17.633	ug/l	98
70) Styrene	11.96	104	107115	17.074	ug/l	99
71) Bromoform	12.12	173	29355	18.915	ug/l #	100
73) Isopropylbenzene	12.25	105	178601	17.551	ug/l	99
74) N-amyl acetate	12.06	43	87235	19.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	58011	20.972	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54279m	18.019	ug/l	
77) Bromobenzene	12.52	156	44110	17.683	ug/l	97
78) n-propylbenzene	12.59	91	208977	17.519	ug/l	99
79) 2-Chlorotoluene	12.67	91	124418	17.744	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	150443	17.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20900	19.153	ug/l #	85
82) 4-Chlorotoluene	12.77	91	127085	17.203	ug/l	99
83) tert-Butylbenzene	12.99	119	128080	17.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	149886	17.332	ug/l	99
85) sec-Butylbenzene	13.17	105	170648	17.179	ug/l	99
86) p-Isopropyltoluene	13.28	119	154490	16.803	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	77454	17.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77687	18.008	ug/l	99
89) n-Butylbenzene	13.61	91	137963	16.346	ug/l	98
90) Hexachloroethane	13.87	117	21423	16.098	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76444	17.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11772	18.793	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46212	16.698	ug/l	100
94) Hexachlorobutadiene	15.01	225	23561	18.090	ug/l	97
95) Naphthalene	15.13	128	140759	17.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45122	17.131	ug/l	99

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

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