

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060141.D
 Acq On : 18 Feb 2020 17:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:06:21 PM

Quant Time: Feb 19 02:37:46 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	195518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122036	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	7.57	113	94400	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.08	98	376005	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	142666	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96138	49.193	ug/l	99
3) Chloromethane	2.04	50	115446	49.639	ug/l	96
4) Vinyl Chloride	2.17	62	131843	49.735	ug/l	99
5) Bromomethane	2.54	94	78248	48.138	ug/l	99
6) Chloroethane	2.68	64	66438	49.550	ug/l	100
7) Trichlorofluoromethane	3.00	101	165391	48.391	ug/l	99
8) Diethyl Ether	3.38	74	58483	51.404	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91088	48.003	ug/l	99
10) Methyl Iodide	3.93	142	132665	51.921	ug/l	99
11) Tert butyl alcohol	4.73	59	94540	265.544	ug/l	100
12) 1,1-Dichloroethene	3.72	96	91602	49.554	ug/l	99
13) Acrolein	3.58	56	102927	292.483	ug/l	96
14) Allyl chloride	4.30	41	135074	49.645	ug/l	97
15) Acrylonitrile	4.94	53	238928	274.801	ug/l	99
16) Acetone	3.78	43	218374	210.428	ug/l	99
17) Carbon Disulfide	4.03	76	261627	46.955	ug/l	98
18) Methyl Acetate	4.29	43	111180	57.032	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	315055	50.680	ug/l	99
20) Methylene Chloride	4.52	84	102360	49.440	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	99057	49.158	ug/l	99
22) Diisopropyl ether	5.91	45	312538	52.414	ug/l	97
23) Vinyl Acetate	5.86	43	1336138	266.832	ug/l	98
24) 1,1-Dichloroethane	5.81	63	181909	50.359	ug/l	99
25) 2-Butanone	6.80	43	329276	252.286	ug/l	98
26) 2,2-Dichloropropane	6.80	77	165337	48.190	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117612	49.873	ug/l	99
28) Bromochloromethane	7.17	49	74094	52.175	ug/l	98
29) Tetrahydrofuran	7.18	42	217128	271.175	ug/l	98
30) Chloroform	7.35	83	190837	50.434	ug/l	100
31) Cyclohexane	7.63	56	164772	48.968	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	174933	50.590	ug/l	100
36) 1,1-Dichloropropene	7.77	75	141547	48.354	ug/l	99
37) Ethyl Acetate	6.90	43	137826	52.096	ug/l	99
38) Carbon Tetrachloride	7.75	117	152997	48.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	171787	47.276	µg/l	98
40) Benzene	8.02	78	422701	48.679	µg/l	99
41) Methacrylonitrile	7.15	41	64137m	57.808	µg/l	
42) 1,2-Dichloroethane	8.10	62	152400	50.075	µg/l	99
43) Isopropyl Acetate	8.14	43	235354	52.041	µg/l	99
44) Trichloroethene	8.82	130	113991	47.409	µg/l	97
45) 1,2-Dichloropropane	9.10	63	108718	50.571	µg/l	100
46) Dibromomethane	9.19	93	73934	48.666	µg/l	98
47) Bromodichloromethane	9.39	83	153661	49.750	µg/l	100
48) Methyl methacrylate	9.18	41	105094	51.794	µg/l	98
49) 1,4-Dioxane	9.18	88	36564	1054.674	µg/l	99
51) 4-Methyl-2-Pentanone	9.97	43	696816	266.198	µg/l	100
52) Toluene	10.14	92	272946	49.017	µg/l	98
53) t-1,3-Dichloropropene	10.37	75	173946	49.893	µg/l	100
54) cis-1,3-Dichloropropene	9.82	75	179244	48.825	µg/l	99
55) 1,1,2-Trichloroethane	10.55	97	105248	48.448	µg/l	98
56) Ethyl methacrylate	10.42	69	160892	52.355	µg/l	99
57) 1,3-Dichloropropane	10.70	76	179432	50.057	µg/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	367015	256.356	µg/l	99
59) 2-Hexanone	10.74	43	523063	258.676	µg/l	99
60) Dibromochloromethane	10.89	129	122619	49.187	µg/l	99
61) 1,2-Dibromoethane	10.99	107	113148	49.686	µg/l	99
64) Tetrachloroethene	10.62	164	105061	46.068	µg/l	99
65) Chlorobenzene	11.43	112	291333	47.666	µg/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	113146	48.935	µg/l	100
67) Ethyl Benzene	11.50	91	534569	48.494	µg/l	99
68) m/p-Xylenes	11.62	106	400411	96.781	µg/l	100
69) o-Xylene	11.94	106	193299	48.524	µg/l	99
70) Styrene	11.96	104	323879	50.419	µg/l	100
71) Bromoform	12.12	173	92776	49.888	µg/l #	98
73) Isopropylbenzene	12.25	105	528802	46.457	µg/l	100
74) N-amyl acetate	12.06	43	210015	51.167	µg/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	159615	48.718	µg/l	100
76) 1,2,3-Trichloropropane	12.55	75	143277m	49.130	µg/l	
77) Bromobenzene	12.52	156	132745	46.993	µg/l	99
78) n-propylbenzene	12.59	91	605476	46.688	µg/l	100
79) 2-Chlorotoluene	12.67	91	359696	47.188	µg/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	446246	47.151	µg/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	57973	48.674	µg/l	99
82) 4-Chlorotoluene	12.77	91	365152	46.692	µg/l	99
83) tert-Butylbenzene	12.99	119	383928	45.858	µg/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	447798	47.932	µg/l	99
85) sec-Butylbenzene	13.17	105	518025	46.721	µg/l	100
86) p-Isopropyltoluene	13.28	119	473495	47.134	µg/l	100
87) 1,3-Dichlorobenzene	13.28	146	235127	47.023	µg/l	100
88) 1,4-Dichlorobenzene	13.36	146	233211	46.649	µg/l	99
89) n-Butylbenzene	13.61	91	418965	47.416	µg/l	100
90) Hexachloroethane	13.87	117	87137	46.430	µg/l	99
91) 1,2-Dichlorobenzene	13.65	146	229656	46.931	µg/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34288	49.208	µg/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	139735	48.599	ug/l	98
94) Hexachlorobutadiene	15.01	225	75565	44.892	ug/l	100
95) Naphthalene	15.13	128	375456	48.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133384	46.584	ug/l	99

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

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