

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059332.D
 Acq On : 21 Nov 2019 14:01
 Operator : JC/SP
 Sample : VN1121MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:04 PM

Quant Time: Nov 22 06:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	434896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	603394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255882	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.57	113	204314	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.08	98	801136	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	270359	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82411	14.802	ug/l	98
3) Chloromethane	2.04	50	99905	14.647	ug/l	98
4) Vinyl Chloride	2.17	62	109520	15.596	ug/l	99
5) Bromomethane	2.55	94	60040	15.400	ug/l	99
6) Chloroethane	2.69	64	54690	14.270	ug/l	95
7) Trichlorofluoromethane	3.00	101	108466	14.343	ug/l	99
8) Diethyl Ether	3.39	74	47908	15.496	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69876	15.111	ug/l	98
10) Methyl Iodide	3.93	142	85951	14.956	ug/l	99
11) Tert butyl alcohol	4.75	59	75429	72.200	ug/l	100
12) 1,1-Dichloroethene	3.72	96	68628	14.621	ug/l	94
13) Acrolein	3.58	56	83565	87.625	ug/l	100
14) Allyl chloride	4.30	41	130536	14.887	ug/l	99
15) Acrylonitrile	4.96	53	201468	72.936	ug/l	99
16) Acetone	3.79	43	164973	70.511	ug/l	97
17) Carbon Disulfide	4.03	76	218602	14.959	ug/l	100
18) Methyl Acetate	4.30	43	115731	14.905	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	228694	15.085	ug/l	98
20) Methylene Chloride	4.53	84	79391	15.045	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	74053	14.886	ug/l	95
22) Diisopropyl ether	5.92	45	244707	14.822	ug/l	98
23) Vinyl Acetate	5.87	43	973507	74.986	ug/l	99
24) 1,1-Dichloroethane	5.82	63	140998	15.173	ug/l	99
25) 2-Butanone	6.81	43	262571	72.171	ug/l	99
26) 2,2-Dichloropropane	6.80	77	118356	14.709	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	82486	14.697	ug/l	98
28) Bromochloromethane	7.18	49	60289	17.530	ug/l	99
29) Tetrahydrofuran	7.19	42	185768	73.845	ug/l	99
30) Chloroform	7.35	83	136870	15.082	ug/l	97
31) Cyclohexane	7.64	56	133911	14.575	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	114157	14.734	ug/l	99
36) 1,1-Dichloropropene	7.77	75	104715	14.717	ug/l	99
37) Ethyl Acetate	6.91	43	111800	14.620	ug/l	98
38) Carbon Tetrachloride	7.75	117	100667	14.779	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122231	14.246	ug/l	98
40) Benzene	8.02	78	315379	15.102	ug/l	98
41) Methacrylonitrile	7.15	41	46096	13.579	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	102633	14.860	ug/l	99
43) Isopropyl Acetate	8.15	43	168495	14.418	ug/l	100
44) Trichloroethene	8.82	130	78191	14.773	ug/l	93
45) 1,2-Dichloropropane	9.10	63	82891	14.885	ug/l	99
46) Dibromomethane	9.20	93	50996	14.930	ug/l	99
47) Bromodichloromethane	9.39	83	101351	14.816	ug/l	99
48) Methyl methacrylate	9.19	41	74734	14.062	ug/l	98
49) 1,4-Dioxane	9.19	88	24208	303.079	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	521427	76.226	ug/l	99
52) Toluene	10.15	92	186749	14.872	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	114912	14.450	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	127260	14.748	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74455	15.250	ug/l	97
56) Ethyl methacrylate	10.42	69	106034	14.488	ug/l	99
57) 1,3-Dichloropropane	10.70	76	127542	14.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	191652	80.335	ug/l	99
59) 2-Hexanone	10.75	43	368955	73.659	ug/l	99
60) Dibromochloromethane	10.90	129	76247	14.820	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74628	14.690	ug/l	100
64) Tetrachloroethene	10.63	164	67874	14.544	ug/l	97
65) Chlorobenzene	11.43	112	192386	14.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71264	15.120	ug/l	98
67) Ethyl Benzene	11.51	91	342512	14.785	ug/l	100
68) m/p-Xylenes	11.62	106	254861	29.608	ug/l	99
69) o-Xylene	11.95	106	120612	14.636	ug/l	99
70) Styrene	11.96	104	187761	14.440	ug/l	99
71) Bromoform	12.13	173	52575	14.729	ug/l #	98
73) Isopropylbenzene	12.25	105	323201	15.061	ug/l	100
74) N-amyl acetate	12.07	43	120565	13.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	106528	15.006	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	95593m	15.795	ug/l	
77) Bromobenzene	12.53	156	76612	14.719	ug/l	98
78) n-propylbenzene	12.59	91	363083	14.937	ug/l	100
79) 2-Chlorotoluene	12.67	91	219230	14.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	270163	14.976	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34672	14.329	ug/l	100
82) 4-Chlorotoluene	12.77	91	220460	14.278	ug/l	99
83) tert-Butylbenzene	12.99	119	228370	14.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261485	14.797	ug/l	100
85) sec-Butylbenzene	13.17	105	304828	14.886	ug/l	100
86) p-Isopropyltoluene	13.29	119	268595	14.740	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131671	14.205	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	130078	14.183	ug/l	98
89) n-Butylbenzene	13.62	91	224149	14.022	ug/l	100
90) Hexachloroethane	13.88	117	49922	14.466	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	130509	14.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20110	13.325	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69756	14.709	ug/l	98
94) Hexachlorobutadiene	15.01	225	46381	14.354	ug/l	98
95) Naphthalene	15.13	128	192082	14.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73681	14.848	ug/l	100

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

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