

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054445.D
 Acq On : 19 Mar 2019 17:28
 Operator : JC/SP
 Sample : VN0319MBS01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:51 PM

Quant Time: Mar 20 04:40:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1388439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2112176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1808281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	842765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	640504	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	7.59	113	649308	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.09	98	2391475	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.40	95	802122	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	238070	18.092	ug/l	99
3) Chloromethane	2.06	50	230170	18.007	ug/l	98
4) Vinyl Chloride	2.19	62	233247	15.965	ug/l	98
5) Bromomethane	2.57	94	157873	15.602	ug/l	97
6) Chloroethane	2.71	64	140733	15.921	ug/l	95
7) Trichlorofluoromethane	3.02	101	300313	15.461	ug/l	99
8) Diethyl Ether	3.41	74	157456	17.789	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249221	17.122	ug/l	99
10) Methyl Iodide	3.95	142	374442	19.069	ug/l	99
11) Tert butyl alcohol	4.81	59	80726	79.859	ug/l	97
12) 1,1-Dichloroethene	3.73	96	246367	17.080	ug/l	98
13) Acrolein	3.61	56	56119	58.587	ug/l	98
14) Allyl chloride	4.32	41	332740	17.979	ug/l	93
15) Acrylonitrile	4.99	53	439291	105.795	ug/l	98
16) Acetone	3.82	43	248937	58.963	ug/l	97
17) Carbon Disulfide	4.04	76	522502	14.450	ug/l	100
18) Methyl Acetate	4.33	43	199588	23.366	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	741161	20.730	ug/l	100
20) Methylene Chloride	4.54	84	288810	20.833	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	276172	19.983	ug/l	95
22) Diisopropyl ether	5.96	45	770905	20.871	ug/l	95
23) Vinyl Acetate	5.90	43	2462783	90.432	ug/l	97
24) 1,1-Dichloroethane	5.85	63	487946	20.574	ug/l	99
25) 2-Butanone	6.85	43	457180	92.262	ug/l	96
26) 2,2-Dichloropropane	6.82	77	284346	13.634	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	328145	21.283	ug/l	94
28) Bromochloromethane	7.19	49	187644	19.354	ug/l	91
29) Tetrahydrofuran	7.22	42	308768	96.913	ug/l	94
30) Chloroform	7.37	83	503411	20.342	ug/l	99
31) Cyclohexane	7.65	56	435615	18.882	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	403961	18.074	ug/l	99
36) 1,1-Dichloropropene	7.79	75	370275	19.036	ug/l	99
37) Ethyl Acetate	6.94	43	203310	18.191	ug/l #	95
38) Carbon Tetrachloride	7.77	117	343386	16.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	408985	17.089	ug/l	97
40) Benzene	8.04	78	1170463	21.028	ug/l	99
41) Methacrylonitrile	7.17	41	112407	17.615	ug/l	90
42) 1,2-Dichloroethane	8.13	62	340264	18.107	ug/l	95
43) Isopropyl Acetate	8.17	43	338341	17.247	ug/l	95
44) Trichloroethene	8.83	130	346779	20.055	ug/l	96
45) 1,2-Dichloropropane	9.12	63	292459	21.160	ug/l	99
46) Dibromomethane	9.21	93	177015	18.955	ug/l	97
47) Bromodichloromethane	9.40	83	337279	18.016	ug/l	100
48) Methyl methacrylate	9.20	41	184355	18.517	ug/l	89
49) 1,4-Dioxane	9.20	88	56220	399.226	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1003822	96.690	ug/l	92
52) Toluene	10.16	92	722565	20.473	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	300361	15.456	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	388564	17.811	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	265421	20.596	ug/l	98
56) Ethyl methacrylate	10.43	69	319652	20.802	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	438298	20.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	588979	99.231	ug/l	100
59) 2-Hexanone	10.75	43	626117	90.635	ug/l	93
60) Dibromochloromethane	10.90	129	254715	17.560	ug/l	99
61) 1,2-Dibromoethane	11.01	107	263056	20.087	ug/l	99
64) Tetrachloroethene	10.63	164	350744	20.062	ug/l	96
65) Chlorobenzene	11.43	112	832089	20.957	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276634	19.179	ug/l	98
67) Ethyl Benzene	11.51	91	1353694	20.567	ug/l	98
68) m/p-Xylenes	11.62	106	1058681	41.154	ug/l	98
69) o-Xylene	11.95	106	536769	21.405	ug/l	95
70) Styrene	11.96	104	846436	21.522	ug/l	100
71) Bromoform	12.13	173	165161	16.666	ug/l #	92
73) Isopropylbenzene	12.25	105	1364357	20.235	ug/l	100
74) N-amyl acetate	12.07	43	290841	19.433	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	297876	20.735	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	253121m	20.424	ug/l	
77) Bromobenzene	12.53	156	1622997	90.964	ug/l #	14
78) n-propylbenzene	12.59	91	1416860	19.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	875516	19.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1165602	20.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	44098	12.164	ug/l #	82
82) 4-Chlorotoluene	12.77	91	866739	19.732	ug/l	98
83) tert-Butylbenzene	12.99	119	985932	19.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1099493	19.983	ug/l	100
85) sec-Butylbenzene	13.17	105	1237461	18.484	ug/l	99
86) p-Isopropyltoluene	13.29	119	1091987	18.592	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	584192	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	572503	19.384	ug/l	99
89) n-Butylbenzene	13.62	91	812500	18.207	ug/l	98
90) Hexachloroethane	13.87	117	128420	13.205	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	591389	20.122	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36529	16.432	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	315726	19.414	uq/l	100
94) Hexachlorobutadiene	15.01	225	174092	15.551	uq/l	100
95) Naphthalene	15.13	128	766593	22.770	uq/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	317085	20.305	uq/l	95

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

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