

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055354.D
 Acq On : 2 May 2019 17:10
 Operator : JC/SP
 Sample : VN0502MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:03 PM

Quant Time: May 03 04:23:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	643517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	212352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	271684	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	209835	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.09	98	756914	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	248954	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89741	18.187	ug/l	98
3) Chloromethane	2.06	50	102867	16.836	ug/l	98
4) Vinyl Chloride	2.19	62	91089	18.494	ug/l	99
5) Bromomethane	2.57	94	47383	18.162	ug/l	99
6) Chloroethane	2.71	64	49674	18.618	ug/l	98
7) Trichlorofluoromethane	3.02	101	130609	18.649	ug/l	99
8) Diethyl Ether	3.42	74	51398	20.976	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	77660	18.621	ug/l	99
10) Methyl Iodide	3.96	142	101790	17.343	ug/l	99
11) Tert butyl alcohol	4.80	59	40568	134.486	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	75766	19.044	ug/l	98
13) Acrolein	3.62	56	13497	57.293	ug/l	89
14) Allyl chloride	4.33	41	159965	19.414	ug/l	99
15) Acrylonitrile	5.00	53	195068	115.047	ug/l	99
16) Acetone	3.82	43	189161	115.224	ug/l	97
17) Carbon Disulfide	4.06	76	162547	15.656	ug/l	99
18) Methyl Acetate	4.33	43	96328	23.539	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	245067	21.912	ug/l	98
20) Methylene Chloride	4.56	84	90511	18.063	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	80814	19.180	ug/l	95
22) Diisopropyl ether	5.96	45	342474	20.919	ug/l	95
23) Vinyl Acetate	5.90	43	1180062	109.980	ug/l	100
24) 1,1-Dichloroethane	5.85	63	172870	19.818	ug/l	100
25) 2-Butanone	6.84	43	248808	118.509	ug/l	97
26) 2,2-Dichloropropane	6.83	77	113581	18.856	ug/l	82
27) cis-1,2-Dichloroethene	6.83	96	94695	19.763	ug/l	97
28) Bromochloromethane	7.20	49	86959	19.777	ug/l	97
29) Tetrahydrofuran	7.22	42	166450	123.813	ug/l	99
30) Chloroform	7.38	83	162707	19.677	ug/l	98
31) Cyclohexane	7.66	56	152467	18.397	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	130275	19.412	ug/l	99
36) 1,1-Dichloropropene	7.80	75	116477	18.897	ug/l	99
37) Ethyl Acetate	6.93	43	101643	21.516	ug/l #	79
38) Carbon Tetrachloride	7.78	117	105068	17.671	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118460	18.076	ug/l	99
40) Benzene	8.04	78	360795	19.856	ug/l	99
41) Methacrylonitrile	7.18	41	60838	24.183	ug/l	97
42) 1,2-Dichloroethane	8.13	62	128315	19.938	ug/l	99
43) Isopropyl Acetate	8.17	43	187440	24.689	ug/l #	87
44) Trichloroethene	8.84	130	87886	18.973	ug/l	96
45) 1,2-Dichloropropane	9.12	63	104575	19.954	ug/l	99
46) Dibromomethane	9.21	93	57901	20.212	ug/l	99
47) Bromodichloromethane	9.40	83	119762	19.488	ug/l	98
48) Methyl methacrylate	9.20	41	83444	22.358	ug/l	99
49) 1,4-Dioxane	9.20	88	18074	468.468	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	507383	118.704	ug/l	99
52) Toluene	10.16	92	209663	20.110	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	110430	20.700	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135754	20.409	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	81201	20.974	ug/l	97
56) Ethyl methacrylate	10.43	69	108327	22.733	ug/l	99
57) 1,3-Dichloropropane	10.71	76	143343	21.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	125151	92.831	ug/l	98
59) 2-Hexanone	10.75	43	330146	123.446	ug/l	98
60) Dibromochloromethane	10.90	129	79445	20.078	ug/l	100
61) 1,2-Dibromoethane	11.01	107	75939	21.221	ug/l	99
64) Tetrachloroethene	10.63	164	87354	19.585	ug/l	98
65) Chlorobenzene	11.43	112	209834	19.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80033	19.168	ug/l	99
67) Ethyl Benzene	11.51	91	386329	20.063	ug/l	99
68) m/p-Xylenes	11.62	106	282143	41.049	ug/l	100
69) o-Xylene	11.95	106	138161	20.280	ug/l	98
70) Styrene	11.96	104	224834	21.494	ug/l	99
71) Bromoform	12.13	173	46098	19.896	ug/l #	96
73) Isopropylbenzene	12.25	105	383889	20.878	ug/l	99
74) N-amyl acetate	12.07	43	147029	26.979	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	98370	21.572	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	90392m	21.464	ug/l	
77) Bromobenzene	12.53	156	90102	20.961	ug/l	99
78) n-propylbenzene	12.59	91	429228	19.678	ug/l	100
79) 2-Chlorotoluene	12.67	91	261169	21.158	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	350063	21.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21600	19.276	ug/l #	77
82) 4-Chlorotoluene	12.77	91	237109	18.695	ug/l	99
83) tert-Butylbenzene	12.99	119	265435	20.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	437817	29.406	ug/l	99
85) sec-Butylbenzene	13.17	105	346145	19.130	ug/l	98
86) p-Isopropyltoluene	13.29	119	303008	20.374	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	135473	19.065	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	132912	19.862	ug/l	99
89) n-Butylbenzene	13.62	91	235194	22.256	ug/l	95
90) Hexachloroethane	13.87	117	45696	18.410	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	142002	20.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14084	25.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48468	19.611	ug/l	96
94) Hexachlorobutadiene	15.01	225	48478	21.267	ug/l	99
95) Naphthalene	15.13	128	129118	23.747	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52860	20.935	ug/l	99

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

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