

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055474.D
 Acq On : 8 May 2019 7:26
 Operator : JC/SP
 Sample : K2717-11MSD
 Misc : 4.34g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:52 AM

Quant Time: May 08 08:47:56 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	536278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	826619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	719306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	320336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	308116	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
35) Dibromofluoromethane	7.59	113	237241	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
50) Toluene-d8	10.09	98	851144	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
62) 4-Bromofluorobenzene	12.40	95	303693	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	282722	43.029	ug/l	99
3) Chloromethane	2.06	50	295158	36.278	ug/l	100
4) Vinyl Chloride	2.19	62	263362	40.157	ug/l	100
5) Bromomethane	2.53	94	124773	35.917	ug/l	98
6) Chloroethane	2.66	64	147591	41.542	ug/l	98
7) Trichlorofluoromethane	3.00	101	400196	42.913	ug/l	96
8) Diethyl Ether	3.41	74	173035	53.034	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	273635	49.274	ug/l	99
10) Methyl Iodide	3.95	142	322258	41.234	ug/l	98
11) Tert butyl alcohol	4.85	59	125610	312.719	ug/l	95
12) 1,1-Dichloroethene	3.73	96	242584	45.792	ug/l	96
13) Acrolein	3.61	56	74085	236.173	ug/l	98
14) Allyl chloride	4.32	41	499532	45.529	ug/l	99
15) Acrylonitrile	4.99	53	614765	272.292	ug/l	100
16) Acetone	3.82	43	488748	223.580	ug/l	98
17) Carbon Disulfide	4.05	76	473000	34.213	ug/l	98
18) Methyl Acetate	4.33	43	373139	70.495	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	859113	57.687	ug/l	99
20) Methylene Chloride	4.55	84	291838	43.738	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	248284	44.254	ug/l	97
22) Diisopropyl ether	5.95	45	1227775	56.321	ug/l	99
23) Vinyl Acetate	5.90	43	3938505	275.661	ug/l	100
24) 1,1-Dichloroethane	5.85	63	579911	49.927	ug/l	100
25) 2-Butanone	6.84	43	778717	278.549	ug/l	99
26) 2,2-Dichloropropane	6.82	77	230876	28.785	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	312209	48.934	ug/l	99
28) Bromochloromethane	7.19	49	217627	37.171	ug/l	96
29) Tetrahydrofuran	7.22	42	519580	290.249	ug/l	99
30) Chloroform	7.37	83	555915	50.489	ug/l	99
31) Cyclohexane	7.65	56	503130	45.592	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	448599	50.200	ug/l	99
36) 1,1-Dichloropropene	7.79	75	395537	49.956	ug/l	99
37) Ethyl Acetate	6.93	43	333772	55.003	ug/l	99
38) Carbon Tetrachloride	7.77	117	368021	48.184	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	451854	53.675	ug/l	98
40) Benzene	8.04	78	1177116	50.431	ug/l	100
41) Methacrylonitrile	7.18	41	181702	55.247	ug/l	94
42) 1,2-Dichloroethane	8.13	62	438941	53.096	ug/l	99
43) Isopropyl Acetate	8.17	43	612480	62.805	ug/l	98
44) Trichloroethene	8.84	130	296442	49.820	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355510	52.810	ug/l	99
46) Dibromomethane	9.21	93	190067	51.653	ug/l	98
47) Bromodichloromethane	9.40	83	418211	52.978	ug/l	98
48) Methyl methacrylate	9.20	41	290185	60.529	ug/l	99
49) 1,4-Dioxane	9.21	88	60685	1224.509	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1662631	302.816	ug/l	99
52) Toluene	10.16	92	699378	52.222	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	368872	53.827	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	443596	51.918	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	268927	54.076	ug/l	99
56) Ethyl methacrylate	10.43	69	375410	61.330	ug/l	97
57) 1,3-Dichloropropane	10.71	76	483673	55.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	555910	290.517	ug/l	99
59) 2-Hexanone	10.75	43	1064144	309.761	ug/l	98
60) Dibromochloromethane	10.90	129	280197	55.127	ug/l	99
61) 1,2-Dibromoethane	11.01	107	253363	55.119	ug/l	98
64) Tetrachloroethene	10.63	164	322240	54.781	ug/l	99
65) Chlorobenzene	11.43	112	723705	51.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	278224	50.524	ug/l	99
67) Ethyl Benzene	11.51	91	1373212	54.073	ug/l	99
68) m/p-Xylenes	11.62	106	984053	108.557	ug/l	99
69) o-Xylene	11.95	106	485718	54.060	ug/l	99
70) Styrene	11.96	104	812830	58.921	ug/l	99
71) Bromoform	12.13	173	173522	56.787	ug/l #	99
73) Isopropylbenzene	12.25	105	1350809	53.198	ug/l	100
74) N-amyl acetate	12.07	43	494771	60.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	335766	53.099	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	282220m	47.260	ug/l	
77) Bromobenzene	12.53	156	312850	51.252	ug/l	98
78) n-propylbenzene	12.59	91	1548613	47.063	ug/l	100
79) 2-Chlorotoluene	12.67	91	907071	52.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1148542	45.734	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67499	39.932	ug/l	94
82) 4-Chlorotoluene	12.77	91	904903	47.297	ug/l	98
83) tert-Butylbenzene	12.99	119	988829	55.976	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1115395	49.661	ug/l	100
85) sec-Butylbenzene	13.17	105	1327193	48.623	ug/l	100
86) p-Isopropyltoluene	13.29	119	1159202	51.670	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	548625	51.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	528814	52.386	ug/l	100
89) n-Butylbenzene	13.61	91	989221	62.052	ug/l	100
90) Hexachloroethane	13.87	117	179141	50.444	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	544671	51.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51049	60.574	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	230788	54.764	ug/l	97
94) Hexachlorobutadiene	15.01	225	192404	60.789	ug/l	97
95) Naphthalene	15.13	128	474858	53.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	227019	54.775	ug/l	97

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

