

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034061.D
 Acq On : 29 Aug 2019 14:54
 Operator : JC/SP
 Sample : VU0830MBSD01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:51 PM

Quant Time: Aug 29 16:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	424422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	682727	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	651209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	274468	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
35) Dibromofluoromethane	4.86	113	227336	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
50) Toluene-d8	7.55	98	894029	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	10.29	95	326967	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	87487	20.496	ug/l	100
3) Chloromethane	1.32	50	109498	17.865	ug/l	99
4) Vinyl Chloride	1.40	62	113143	19.916	ug/l	99
5) Bromomethane	1.62	94	57648	17.279	ug/l	97
6) Chloroethane	1.69	64	68695	19.779	ug/l	100
7) Trichlorofluoromethane	1.88	101	133767	20.321	ug/l	97
8) Diethyl Ether	2.09	74	56869	20.195	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	83023	19.909	ug/l	98
10) Methyl Iodide	2.40	142	62643	10.589	ug/l	99
11) Tert butyl alcohol	2.81	59	110795	88.346	ug/l	99
12) 1,1-Dichloroethene	2.27	96	85857	20.207	ug/l	99
13) Acrolein	2.18	56	40016	75.850	ug/l	99
14) Allyl chloride	2.58	41	138566	17.345	ug/l	92
15) Acrylonitrile	2.92	53	289518	100.605	ug/l	100
16) Acetone	2.31	43	252522	91.004	ug/l	99
17) Carbon Disulfide	2.47	76	255696	19.014	ug/l	100
18) Methyl Acetate	2.60	43	135478	18.893	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	282503	20.293	ug/l	100
20) Methylene Chloride	2.69	84	102764	19.562	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	92649	20.092	ug/l	98
22) Diisopropyl ether	3.55	45	304124	20.776	ug/l	93
23) Vinyl Acetate	3.50	43	1271971	101.151	ug/l	100
24) 1,1-Dichloroethane	3.43	63	177165	20.499	ug/l	99
25) 2-Butanone	4.24	43	382881	99.178	ug/l	99
26) 2,2-Dichloropropane	4.20	77	130015	18.488	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	100968	19.508	ug/l	97
28) Bromochloromethane	4.52	49	89744	21.077	ug/l	97
29) Tetrahydrofuran	4.61	42	249367	104.741	ug/l	99
30) Chloroform	4.65	83	172062	19.954	ug/l	98
31) Cyclohexane	4.97	56	157243	19.363	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	140743	19.929	ug/l	99
36) 1,1-Dichloropropene	5.12	75	124173	19.229	ug/l	99
37) Ethyl Acetate	4.36	43	139808	19.333	ug/l	99
38) Carbon Tetrachloride	5.11	117	123129	19.753	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	142276	18.693	ug/l	97
40) Benzene	5.37	78	390505	19.987	ug/l	99
41) Methacrylonitrile	4.52	41	73281	19.759	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133777	19.828	ug/l	99
43) Isopropyl Acetate	5.53	43	213207	19.380	ug/l	99
44) Trichloroethene	6.17	130	103596	20.191	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106854	19.867	ug/l	99
46) Dibromomethane	6.54	93	70023	20.208	ug/l	98
47) Bromodichloromethane	6.74	83	133189	19.646	ug/l	98
48) Methyl methacrylate	6.60	41	97897	18.440	ug/l	97
49) 1,4-Dioxane	6.59	88	44478	334.379	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	729178	95.972	ug/l	100
52) Toluene	7.62	92	241237	20.043	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	136208	18.107	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	157736	19.194	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	97789	19.208	ug/l	98
56) Ethyl methacrylate	8.00	69	139671	17.190	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167311	19.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	241300	85.673	ug/l	100
59) 2-Hexanone	8.34	43	542475	94.579	ug/l	99
60) Dibromochloromethane	8.46	129	102802	18.811	ug/l	100
61) 1,2-Dibromoethane	8.57	107	101481	18.923	ug/l	99
64) Tetrachloroethene	8.21	164	91531	20.930	ug/l	98
65) Chlorobenzene	9.10	112	264388	19.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91991	18.930	ug/l	99
67) Ethyl Benzene	9.23	91	445647	19.617	ug/l	99
68) m/p-Xylenes	9.36	106	344496	39.882	ug/l	99
69) o-Xylene	9.76	106	162663	19.629	ug/l	99
70) Styrene	9.77	104	284400	20.015	ug/l	100
71) Bromoform	9.94	173	76657	18.156	ug/l #	98
73) Isopropylbenzene	10.15	105	443083	18.832	ug/l	100
74) N-amyl acetate	10.00	43	178678	18.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	165884	18.421	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	140283m	17.770	ug/l	
77) Bromobenzene	10.43	156	117453	18.558	ug/l	99
78) n-propylbenzene	10.57	91	524408	19.139	ug/l	98
79) 2-Chlorotoluene	10.64	91	315541	19.199	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	389032	19.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41112m	17.535	ug/l	
82) 4-Chlorotoluene	10.76	91	363116	19.211	ug/l	100
83) tert-Butylbenzene	11.08	119	357929	18.233	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	390977	19.745	ug/l	99
85) sec-Butylbenzene	11.30	105	441902	18.782	ug/l	99
86) p-Isopropyltoluene	11.46	119	409462	19.242	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	214801	19.171	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	215059	18.979	ug/l	98
89) n-Butylbenzene	11.87	91	353175	18.825	ug/l	100
90) Hexachloroethane	12.12	117	58648	15.941	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	207651	19.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32311	18.010	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	131275	17.926	ug/l	98
94) Hexachlorobutadiene	13.68	225	76591	18.241	ug/l	98
95) Naphthalene	13.73	128	358083	17.582	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	133264	19.382	ug/l	99

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

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