

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034104.D
 Acq On : 30 Aug 2019 17:27
 Operator : JC/SP
 Sample : VU0831MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:59 AM

Quant Time: Aug 31 04:15:21 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	451770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	730292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	682365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	354913	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	281683	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	4.86	113	237660	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	7.55	98	925865	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	10.29	95	345423	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	85679	18.857	ug/l	100
3) Chloromethane	1.32	50	104776	15.839	ug/l	98
4) Vinyl Chloride	1.40	62	110380	18.253	ug/l	96
5) Bromomethane	1.62	94	58794	16.281	ug/l	97
6) Chloroethane	1.69	64	68034	18.402	ug/l	97
7) Trichlorofluoromethane	1.88	101	132265	18.876	ug/l	100
8) Diethyl Ether	2.09	74	60046	20.032	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.27	101	84255	18.981	ug/l	99
10) Methyl Iodide	2.40	142	57943	9.202	ug/l	99
11) Tert butyl alcohol	2.81	59	119018	89.158	ug/l	99
12) 1,1-Dichloroethene	2.27	96	88748	19.623	ug/l	95
13) Acrolein	2.18	56	40690	72.459	ug/l	95
14) Allyl chloride	2.58	41	163020m	19.171	ug/l	
15) Acrylonitrile	2.92	53	295942	96.612	ug/l	100
16) Acetone	2.31	43	248796	84.233	ug/l	98
17) Carbon Disulfide	2.46	76	248417	17.355	ug/l	100
18) Methyl Acetate	2.60	43	137767	18.049	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	304533	20.551	ug/l	100
20) Methylene Chloride	2.68	84	105200	18.814	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	95599	19.477	ug/l	98
22) Diisopropyl ether	3.55	45	317934	20.404	ug/l	97
23) Vinyl Acetate	3.50	43	1334824	99.724	ug/l	100
24) 1,1-Dichloroethane	3.43	63	181449	19.724	ug/l	99
25) 2-Butanone	4.24	43	392592	95.537	ug/l	99
26) 2,2-Dichloropropane	4.20	77	139112	18.584	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	109307	19.840	ug/l	99
28) Bromochloromethane	4.52	49	85661	18.900	ug/l	99
29) Tetrahydrofuran	4.61	42	252273	99.547	ug/l	99
30) Chloroform	4.65	83	177397	19.328	ug/l	98
31) Cyclohexane	4.97	56	158793	18.370	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	148025	19.692	ug/l	98
36) 1,1-Dichloropropene	5.12	75	129745	18.783	ug/l	99
37) Ethyl Acetate	4.36	43	146129	18.891	ug/l	98
38) Carbon Tetrachloride	5.11	117	121903	18.283	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	134355	16.502	ug/l	99
40) Benzene	5.37	78	403140	19.290	ug/l	100
41) Methacrylonitrile	4.52	41	77062	19.425	ug/l	98
42) 1,2-Dichloroethane	5.38	62	136593	18.927	ug/l	98
43) Isopropyl Acetate	5.53	43	226658	19.260	ug/l	100
44) Trichloroethene	6.17	130	108210	19.717	ug/l	98
45) 1,2-Dichloropropane	6.41	63	108813	18.914	ug/l	99
46) Dibromomethane	6.54	93	70558	19.036	ug/l	100
47) Bromodichloromethane	6.74	83	135380	18.669	ug/l	99
48) Methyl methacrylate	6.60	41	105254	18.535	ug/l	97
49) 1,4-Dioxane	6.59	88	47326	332.617	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	757274	93.179	ug/l	100
52) Toluene	7.62	92	253403	19.683	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	150280	18.677	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	168076	19.120	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	100955	18.538	ug/l	97
56) Ethyl methacrylate	8.00	69	157026	18.017	ug/l	99
57) 1,3-Dichloropropane	8.22	76	175746	19.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	282155	93.654	ug/l	98
59) 2-Hexanone	8.34	43	568229	92.617	ug/l	99
60) Dibromochloromethane	8.46	129	105958	18.126	ug/l	99
61) 1,2-Dibromoethane	8.57	107	106278	18.526	ug/l	98
64) Tetrachloroethene	8.21	164	92962	20.286	ug/l	98
65) Chlorobenzene	9.10	112	277720	19.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	96221	18.897	ug/l	98
67) Ethyl Benzene	9.23	91	474983	19.954	ug/l	100
68) m/p-Xylenes	9.36	106	363352	40.144	ug/l	100
69) o-Xylene	9.76	106	174490	20.094	ug/l	100
70) Styrene	9.77	104	304552	20.455	ug/l	100
71) Bromoform	9.94	173	79942	18.070	ug/l #	99
73) Isopropylbenzene	10.15	105	461191	19.346	ug/l	100
74) N-amyl acetate	10.00	43	197262	19.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.44	83	172322	18.886	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	144299m	18.039	ug/l	
77) Bromobenzene	10.43	156	125091	19.506	ug/l	100
78) n-propylbenzene	10.57	91	525905	18.943	ug/l	99
79) 2-Chlorotoluene	10.64	91	325067	19.521	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	385897	19.099	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	43616m	18.360	ug/l	
82) 4-Chlorotoluene	10.76	91	377796	19.727	ug/l	100
83) tert-Butylbenzene	11.08	119	354305	17.813	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	390124	19.444	ug/l	99
85) sec-Butylbenzene	11.31	105	405700	17.018	ug/l	99
86) p-Isopropyltoluene	11.46	119	373411	17.319	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	219186	19.306	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	220780	19.229	ug/l	99
89) n-Butylbenzene	11.87	91	317079	16.680	ug/l	99
90) Hexachloroethane	12.12	117	53848	14.445	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	215365	19.803	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33193	18.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	136248	18.335	ug/l	98
94) Hexachlorobutadiene	13.67	225	51287	12.055	ug/l	100
95) Naphthalene	13.73	128	455456	21.613	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	138605	19.895	ug/l	97

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

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