

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034059.D
 Acq On : 29 Aug 2019 14:07
 Operator : JC/SP
 Sample : VU0830MBS01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:55 PM

Quant Time: Aug 29 15:59:05 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	403283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	651283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	626581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	338226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	263324	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.86	113	222641	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.55	98	857073	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	10.29	95	316501	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85534	21.089	ug/l	99
3) Chloromethane	1.32	50	105668	18.177	ug/l	99
4) Vinyl Chloride	1.40	62	109567	20.297	ug/l	98
5) Bromomethane	1.62	94	56000	17.812	ug/l	97
6) Chloroethane	1.69	64	65346	19.801	ug/l	100
7) Trichlorofluoromethane	1.88	101	129248	20.664	ug/l	98
8) Diethyl Ether	2.09	74	55923	20.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80221	20.245	ug/l	99
10) Methyl Iodide	2.40	142	54869	9.761	ug/l	98
11) Tert butyl alcohol	2.81	59	103240	86.637	ug/l	99
12) 1,1-Dichloroethene	2.27	96	80929	20.046	ug/l	98
13) Acrolein	2.18	56	39751	79.298	ug/l	99
14) Allyl chloride	2.58	41	134588	17.731	ug/l	93
15) Acrylonitrile	2.92	53	277008	101.304	ug/l	100
16) Acetone	2.31	43	240182	91.094	ug/l	100
17) Carbon Disulfide	2.47	76	245740	19.232	ug/l	99
18) Methyl Acetate	2.60	43	131581	19.312	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	268402	20.290	ug/l	99
20) Methylene Chloride	2.69	84	99766	19.987	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	89051	20.324	ug/l	98
22) Diisopropyl ether	3.55	45	291500	20.957	ug/l	93
23) Vinyl Acetate	3.50	43	1212192	101.450	ug/l	99
24) 1,1-Dichloroethane	3.43	63	170961	20.818	ug/l	99
25) 2-Butanone	4.24	43	359879	98.106	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129932	19.445	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	100113	20.356	ug/l	98
28) Bromochloromethane	4.52	49	83667	20.680	ug/l	100
29) Tetrahydrofuran	4.62	42	230873	102.056	ug/l	99
30) Chloroform	4.65	83	165406	20.188	ug/l	99
31) Cyclohexane	4.97	56	150423	19.494	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	136866	20.396	ug/l	99
36) 1,1-Dichloropropene	5.12	75	119958	19.473	ug/l	100
37) Ethyl Acetate	4.36	43	132429	19.197	ug/l	99
38) Carbon Tetrachloride	5.11	117	116270	19.553	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034059.D
 Acq On : 29 Aug 2019 14:07
 Operator : JC/SP
 Sample : VU0830MBS01
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:55 PM

Quant Time: Aug 29 15:59:05 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)
39) Methylcyclohexane	6.40	83	136441	18.792	ug/l	97
40) Benzene	5.37	78	375850	20.165	ug/l	100
41) Methacrylonitrile	4.52	41	71424	20.188	ug/l	98
42) 1,2-Dichloroethane	5.38	62	130642	20.298	ug/l	98
43) Isopropyl Acetate	5.53	43	197241	18.794	ug/l	99
44) Trichloroethene	6.17	130	97139	19.847	ug/l	99
45) 1,2-Dichloropropane	6.41	63	102906	20.057	ug/l	99
46) Dibromomethane	6.54	93	65119	19.700	ug/l	99
47) Bromodichloromethane	6.74	83	125244	19.366	ug/l	99
48) Methyl methacrylate	6.60	41	94978	18.754	ug/l	100
49) 1,4-Dioxane	6.59	88	42660	336.196	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	687365	94.837	ug/l	100
52) Toluene	7.62	92	234264	20.403	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	132770	18.502	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151406	19.313	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95084	19.578	ug/l	99
56) Ethyl methacrylate	8.00	69	130930	16.909	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161491	19.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	228612	85.087	ug/l	100
59) 2-Hexanone	8.34	43	514510	94.035	ug/l	98
60) Dibromochloromethane	8.46	129	97131	18.632	ug/l	99
61) 1,2-Dibromoethane	8.57	107	96788	18.919	ug/l	99
64) Tetrachloroethene	8.21	164	89298	21.221	ug/l	97
65) Chlorobenzene	9.10	112	253685	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88138	18.850	ug/l	98
67) Ethyl Benzene	9.23	91	423044	19.354	ug/l	99
68) m/p-Xylenes	9.36	106	328324	39.504	ug/l	99
69) o-Xylene	9.76	106	153718	19.278	ug/l	98
70) Styrene	9.77	104	270833	19.810	ug/l	100
71) Bromoform	9.94	173	72778	17.915	ug/l #	98
73) Isopropylbenzene	10.15	105	420505	18.509	ug/l	99
74) N-amyl acetate	10.00	43	166822	17.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.44	83	157088	18.066	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	126411m	16.583	ug/l	
77) Bromobenzene	10.43	156	114143	18.677	ug/l	99
78) n-propylbenzene	10.57	91	498435	18.839	ug/l	99
79) 2-Chlorotoluene	10.64	91	303232	19.108	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	372729	19.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	38314m	16.924	ug/l	
82) 4-Chlorotoluene	10.76	91	350721	19.216	ug/l	99
83) tert-Butylbenzene	11.08	119	341609	18.022	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	367452	19.218	ug/l	98
85) sec-Butylbenzene	11.31	105	426164	18.758	ug/l	100
86) p-Isopropyltoluene	11.46	119	392012	19.078	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	203721	18.829	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	209144	19.114	ug/l	99
89) n-Butylbenzene	11.87	91	339137	18.720	ug/l	99
90) Hexachloroethane	12.12	117	57962	16.316	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	199119	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31258	18.044	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
Data File : VU034059.D
Acq On : 29 Aug 2019 14:07
Operator : JC/SP
Sample : VU0830MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Manual Integrations
APPROVED

MMDadoda
8/30/2019 12:52:55 PM

Quant Time: Aug 29 15:59:05 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)
93) 1,2,4-Trichlorobenzene	13.49	180	126228	17.855	ug/l	99
94) Hexachlorobutadiene	13.67	225	74749	18.437	ug/l	98
95) Naphthalene	13.73	128	324965	16.632	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124734	18.788	ug/l	99

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

