

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091418\
 Data File : VU026725.D
 Acq On : 13 Sep 2018 11:06
 Operator : MD/SY
 Sample : VU0914MBSD01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 11:34:57 AM

Quant Time: Sep 14 01:12:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	95250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83796	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	
35) Dibromofluoromethane	4.88	113	68365	49.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.04%	
50) Toluene-d8	7.57	98	248855	48.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	10.31	95	88638	47.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	21330	17.51	ug/l	100
3) Chloromethane	1.33	50	28627	16.82	ug/l	98
4) Vinyl Chloride	1.40	62	31400	17.81	ug/l	100
5) Bromomethane	1.62	94	17659	15.99	ug/l	99
6) Chloroethane	1.69	64	19822	17.66	ug/l	98
7) Trichlorofluoromethane	1.88	101	41668	18.08	ug/l	99
8) Diethyl Ether	2.10	74	19319	19.13	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	25840	18.88	ug/l	99
10) Methyl Iodide	2.41	142	15487	19.39	ug/l	99
11) Tert butyl alcohol	2.83	59	36414	87.37	ug/l	100
12) 1,1-Dichloroethene	2.28	96	24130	18.65	ug/l	99
13) Acrolein	2.19	56	17276	61.51	ug/l	97
14) Allyl chloride	2.59	41	40613	17.42	ug/l	100
15) Acrylonitrile	2.93	53	85797	95.99	ug/l	99
16) Acetone	2.32	43	78732	81.33	ug/l	99
17) Carbon Disulfide	2.48	76	68428	16.62	ug/l	100
18) Methyl Acetate	2.61	43	42117	20.16	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	87234	19.58	ug/l	99
20) Methylene Chloride	2.70	84	28916	18.41	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	25357	18.60	ug/l	95
22) Diisopropyl ether	3.57	45	95705	19.67	ug/l	97
23) Vinyl Acetate	3.52	43	400013	96.81	ug/l	100
24) 1,1-Dichloroethane	3.44	63	51852	18.90	ug/l	99
25) 2-Butanone	4.26	43	116239	89.14	ug/l	98
26) 2,2-Dichloropropane	4.22	77	41129	18.23	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30116	19.17	ug/l	98
28) Bromochloromethane	4.55	49	22878	17.44	ug/l	97
29) Tetrahydrofuran	4.64	42	75345	95.83	ug/l	99
30) Chloroform	4.68	83	50767	18.81	ug/l	99
31) Cyclohexane	5.00	56	45475	18.03	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	42158	18.87	ug/l	99
36) 1,1-Dichloropropene	5.14	75	36025	18.77	ug/l	99
37) Ethyl Acetate	4.38	43	42623	18.46	ug/l	99
38) Carbon Tetrachloride	5.14	117	37006	18.25	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43277	18.99	ug/l	95
40) Benzene	5.39	78	110933	18.61	ug/l	100
41) Methacrylonitrile	4.54	41	23589	18.61	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41225	19.39	ug/l	100
43) Isopropyl Acetate	5.55	43	68005	19.35	ug/l	99
44) Trichloroethene	6.19	130	27743	18.80	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31306	19.32	ug/l	96
46) Dibromomethane	6.56	93	20538	19.64	ug/l	96
47) Bromodichloromethane	6.76	83	39376	19.12	ug/l	99
48) Methyl methacrylate	6.62	41	34060	18.90	ug/l	99
49) 1,4-Dioxane	6.61	88	16170	386.09	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	222757	94.75	ug/l	100
52) Toluene	7.64	92	68523	19.30	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	43883	19.21	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	47242	19.26	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29927	19.67	ug/l	99
56) Ethyl methacrylate	8.02	69	43337	18.80	ug/l	99
57) 1,3-Dichloropropane	8.24	76	50606	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	105237	92.07	ug/l	98
59) 2-Hexanone	8.36	43	169620	91.67	ug/l	100
60) Dibromochloromethane	8.48	129	31280	18.98	ug/l	98
61) 1,2-Dibromoethane	8.59	107	31607	19.15	ug/l	99
64) Tetrachloroethene	8.23	164	25395	19.53	ug/l	98
65) Chlorobenzene	9.12	112	77422	19.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	28625	19.17	ug/l	98
67) Ethyl Benzene	9.25	91	128033	19.15	ug/l	97
68) m/p-Xylenes	9.38	106	99656	39.18	ug/l	99
69) o-Xylene	9.78	106	47630	18.33	ug/l	97
70) Styrene	9.79	104	77916	18.25	ug/l	98
71) Bromoform	9.96	173	25505	19.64	ug/l #	97
73) Isopropylbenzene	10.17	105	129453	19.94	ug/l	100
74) N-amyl acetate	10.02	43	60086	19.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	49421	18.68	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	39377m	18.46	ug/l	
77) Bromobenzene	10.46	156	33996	19.27	ug/l	100
78) n-propylbenzene	10.59	91	151633	20.09	ug/l	100
79) 2-Chlorotoluene	10.66	91	91062	19.46	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	108638	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14910m	25.50	ug/l	
82) 4-Chlorotoluene	10.77	91	105692	20.10	ug/l	100
83) tert-Butylbenzene	11.10	119	108763	19.64	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	113149	20.56	ug/l	99
85) sec-Butylbenzene	11.33	105	132646	20.17	ug/l	100
86) p-Isopropyltoluene	11.48	119	116844	19.15	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	61729	18.76	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	62773	18.37	ug/l	99
89) n-Butylbenzene	11.89	91	101040	18.80	ug/l	99
90) Hexachloroethane	12.15	117	21281	18.34	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	62777	18.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10438	19.68	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44644	20.31	ug/l	98
94) Hexachlorobutadiene	13.69	225	22498	19.89	ug/l	99
95) Naphthalene	13.75	128	137330	19.21	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	45944	20.01	ug/l	99

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

