

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026166.D
 Acq On : 15 Aug 2018 23:38
 Operator : MD/SY
 Sample : MDL04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:29 PM

Quant Time: Aug 16 05:05:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 04:40:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	272685	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	259005	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	107096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67305	42.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.06%
7) Chloroethane-d5	1.67	69	57989	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.12%
11) 1,1-Dichloroethene-d2	2.27	63	104826	33.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.68%
21) 2-Butanone-d5	4.18	46	129647	105.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.53%
24) Chloroform-d	4.65	84	163319	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	5.31	65	109353	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
32) Benzene-d6	5.35	84	313292	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.33	67	105184	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.82%
41) Toluene-d8	7.57	98	286224	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%
43) trans-1,3-Dichloropropene-	7.85	79	46491	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.46%
47) 2-Hexanone-d5	8.31	63	89236	99.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.21%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	143103	46.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	110041	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4852	2.25 ug/L	99
3) Chloromethane	1.33	50	5500	2.80 ug/L	94
5) Vinyl chloride	1.40	62	4749	2.42 ug/L #	60
6) Bromomethane	1.62	94	2406	2.38 ug/L	99
8) Chloroethane	1.69	64	2649	2.25 ug/L #	76
9) Trichlorofluoromethane	1.88	101	6524	2.25 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4152	2.64 ug/L	90
12) 1,1-Dichloroethene	2.28	96	3759	2.61 ug/L #	1
13) Acetone	2.32	43	5174	4.60 ug/L	93
14) Carbon disulfide	2.47	76	11771	2.36 ug/L	99
15) Methyl Acetate	2.62	43	5485	2.81 ug/L #	72
16) Methylene chloride	2.70	84	4942	2.56 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	3682	2.15 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	11685	2.15 ug/L #	94
19) 1,1-Dichloroethane	3.45	63	8015	2.44 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	4305	2.25 ug/L	96
22) 2-Butanone	4.27	43	6837m	4.88 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.56	128	2447m	2.36	ug/L	
25) Chloroform	4.68	83	9430	2.73	ug/L	89
27) 1,2-Dichloroethane	5.41	62	6609	2.37	ug/L #	93
29) Cyclohexane	5.00	56	5458	2.11	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	7223	2.33	ug/L	97
31) Carbon tetrachloride	5.13	117	6773	2.42	ug/L	93
33) Benzene	5.39	78	16639	2.37	ug/L	100
34) Trichloroethene	6.19	95	4200	2.30	ug/L	89
35) Methylcyclohexane	6.42	83	5866	2.14	ug/L	91
37) 1,2-Dichloropropane	6.44	63	4726	2.41	ug/L #	91
38) Bromodichloromethane	6.76	83	6429	2.48	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	5863	2.02	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	10618	4.37	ug/L	100
42) Toluene	7.64	91	16232	2.18	ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	5583	1.99	ug/L	97
45) 1,1,2-Trichloroethane	8.08	97	4203m	2.26	ug/L	
46) Tetrachloroethene	8.23	164	3567	2.26	ug/L	91
48) 2-Hexanone	8.36	43	9279	4.87	ug/L	96
49) Dibromochloromethane	8.48	129	4913	2.20	ug/L	94
50) 1,2-Dibromoethane	8.59	107	4534	2.35	ug/L #	97
51) Chlorobenzene	9.12	112	11345	2.23	ug/L	99
52) Ethylbenzene	9.25	91	16191	2.00	ug/L	95
53) m,p-Xylene	9.38	106	5627	1.80	ug/L	97
54) o-xylene	9.78	106	5931	1.90	ug/L	97
55) Styrene	9.80	104	8650	1.67	ug/L	99
56) Isopropylbenzene	10.17	105	13823	1.73	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7793	2.51	ug/L	95
59) 1,2,3-Trichloropropane	10.50	75	5429	2.25	ug/L	98
61) Bromoform	9.96	173	3263	2.33	ug/L #	94
62) 1,3-Dichlorobenzene	11.42	146	7301	2.27	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	7686	2.32	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	8749	2.55	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	1392	2.56	ug/L #	76
67) 1,3,5-Trichlorobenzene	12.90	180	4396	1.85	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	2585	1.44	ug/L	92
69) Naphthalene	13.75	128	7808m	1.53	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	3051m	1.58	ug/L	

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

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