

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU031995.D
 Acq On : 14 May 2019 15:28
 Operator : JC/SP
 Sample : K2738-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB845

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 10:13:46 AM

Quant Time: May 15 04:52:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 04:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1049130	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1099041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	497087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	388644	42.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.42%
7) Chloroethane-d5	1.65	69	325021	43.60	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.26	63	654666	39.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.34%
21) 2-Butanone-d5	4.17	46	628880	97.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.55%
24) Chloroform-d	4.64	84	663621	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
26) 1,2-Dichloroethane-d4	5.30	65	430622	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
32) Benzene-d6	5.33	84	1407209	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.32	67	462568	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.12%
41) Toluene-d8	7.56	98	1279061	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.85	79	203045	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
47) 2-Hexanone-d5	8.31	63	462851	108.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	753676	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	493007	47.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	411466	36.413	ug/L	98
8) Chloroethane	1.67	64	347003	51.899	ug/L	99
12) 1,1-Dichloroethene	2.27	96	234454m	30.259	ug/L	
14) Carbon disulfide	2.47	76	1184245	47.317	ug/L	98
15) Methyl Acetate	2.61	43	587354	58.366	ug/L #	100
16) Methylene chloride	2.69	84	276935	29.308	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	980069	39.570	ug/L	99
19) 1,1-Dichloroethane	3.44	63	313913	19.833	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	174701	19.595	ug/L	96
27) 1,2-Dichloroethane	5.40	62	681533	56.291	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	466176	36.581	ug/L	98
34) Trichloroethene	6.18	95	555833	62.345	ug/L	98
37) 1,2-Dichloropropane	6.43	63	214385	22.172	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	646841	49.305	ug/L	100
42) Toluene	7.63	91	1077799	29.175	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	188778	15.658	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	344253	38.828	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) Tetrachloroethene	8.22	164	209399	33.267	ug/L	96
48) 2-Hexanone	8.36	43	555110	52.133	ug/L	99
50) 1,2-Dibromoethane	8.58	107	346759	36.958	ug/L	98
51) Chlorobenzene	9.12	112	1109210	47.289	ug/L	100
52) Ethylbenzene	9.24	91	2346637	59.359	ug/L	100
53) m,p-Xylene	9.37	106	619577	42.946	ug/L	98
54) o-xylene	9.77	106	294722	20.690	ug/L	99
55) Styrene	9.79	104	834737	34.137	ug/L	98
56) Isopropylbenzene	10.16	105	1483488	40.645	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	1091682	68.216	ug/L	99
61) Bromoform	9.95	173	119454	18.005	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	318038	19.555	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	667230	38.786	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	1034530	60.026	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	242179	72.737	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	341694	34.940	ug/L	98

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

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