

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026153.D
 Acq On : 15 Aug 2018 17:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05066

Quant Time: Aug 16 02:22:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 02:19:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303683	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	148486	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85406	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.80%
7) Chloroethane-d5	1.67	69	70681	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.27	63	167753	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
21) 2-Butanone-d5	4.18	46	152850	111.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.71%
24) Chloroform-d	4.65	84	200797	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
26) 1,2-Dichloroethane-d4	5.31	65	132910	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
32) Benzene-d6	5.35	84	385408	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
36) 1,2-Dichloropropane-d6	6.33	67	126237	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.52%
41) Toluene-d8	7.57	98	372700	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%
43) trans-1,3-Dichloropropene-	7.85	79	59392	50.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.88%
47) 2-Hexanone-d5	8.31	63	115287	114.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	182501	52.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	152271	49.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.56%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	118382	49.24	ug/L	99
3) Chloromethane	1.33	50	109370	49.95	ug/L	99
5) Vinyl chloride	1.40	62	107627	49.23	ug/L	99
6) Bromomethane	1.62	94	57985	51.47	ug/L	99
8) Chloroethane	1.69	64	64406	49.20	ug/L	100
9) Trichlorofluoromethane	1.88	101	155350	48.12	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	81931	46.85	ug/L	99
12) 1,1-Dichloroethene	2.28	96	77030	48.00	ug/L	98
13) Acetone	2.32	43	98896	78.98	ug/L	98
14) Carbon disulfide	2.48	76	266472	47.88	ug/L	100
15) Methyl Acetate	2.62	43	118189	54.41	ug/L	99
16) Methylene chloride	2.70	84	105521	49.08	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	93304	49.01	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	312554	51.72	ug/L	98
19) 1,1-Dichloroethane	3.45	63	183050	49.94	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	105776	49.55	ug/L	93
22) 2-Butanone	4.27	43	160942	103.17	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58564	50.76	ug/L	99
25) Chloroform	4.68	83	194403	50.52	ug/L	97
27) 1,2-Dichloroethane	5.41	62	157377	50.59	ug/L	99
29) Cyclohexane	5.00	56	148508	51.15	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	173083	49.86	ug/L	100
31) Carbon tetrachloride	5.14	117	158376	50.36	ug/L	100
33) Benzene	5.39	78	400450	50.90	ug/L	100
34) Trichloroethene	6.19	95	101702	49.62	ug/L	96
35) Methylcyclohexane	6.42	83	154849	50.33	ug/L	99
37) 1,2-Dichloropropane	6.44	63	113538	51.67	ug/L	98
38) Bromodichloromethane	6.76	83	149045	51.23	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	165806	50.83	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	304446	111.70	ug/L	98
42) Toluene	7.64	91	435161	52.08	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	159166	50.64	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	108228	51.95	ug/L	98
46) Tetrachloroethene	8.23	164	87137	49.30	ug/L	98
48) 2-Hexanone	8.36	43	240369	112.55	ug/L	99
49) Dibromochloromethane	8.48	129	130180	51.88	ug/L	96
50) 1,2-Dibromoethane	8.59	107	114376	52.87	ug/L	99
51) Chlorobenzene	9.12	112	285404	49.98	ug/L	100
52) Ethylbenzene	9.25	91	470632	51.71	ug/L	100
53) m,p-Xylene	9.38	106	181994	51.89	ug/L	98
54) o-xylene	9.78	106	184566	52.74	ug/L	97
55) Styrene	9.80	104	313142	53.74	ug/L	99
56) Isopropylbenzene	10.17	105	467575	52.04	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	183085	52.62	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	143510	53.02	ug/L	99
61) Bromoform	9.96	173	97866	50.41	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	217081	48.79	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	222302	48.44	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	236704	49.77	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39766	52.74	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	161660	49.20	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	129884	52.17	ug/L	100
69) Naphthalene	13.74	128	412391	58.21	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	143419	53.73	ug/L	100

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

