

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026115.D
 Acq On : 14 Aug 2018 21:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Aug 16 01:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:12:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	266900	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	255958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	133924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78643	40.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.62%
7) Chloroethane-d5	1.67	69	68326	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.34%
11) 1,1-Dichloroethene-d2	2.27	63	162002	43.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.40%
21) 2-Butanone-d5	4.18	46	152063	93.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.52%
24) Chloroform-d	4.65	84	201859	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.31	65	130364	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.35	84	374105	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
36) 1,2-Dichloropropane-d6	6.33	67	121899	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.80%
41) Toluene-d8	7.57	98	352560	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.85	79	61187	47.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.44%
47) 2-Hexanone-d5	8.31	63	107452	91.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	183821	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	151158	45.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.58%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	126166	54.26	ug/L	100
3) Chloromethane	1.33	50	112724	54.03	ug/L	98
5) Vinyl chloride	1.40	62	112583	55.92	ug/L	98
6) Bromomethane	1.62	94	59552	55.32	ug/L	99
8) Chloroethane	1.70	64	67818	56.06	ug/L	97
9) Trichlorofluoromethane	1.89	101	160086	55.58	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	87656	52.31	ug/L	99
12) 1,1-Dichloroethene	2.28	96	80745	52.40	ug/L	87
13) Acetone	2.32	43	100154	99.15	ug/L	99
14) Carbon disulfide	2.48	76	277622	54.76	ug/L	99
15) Methyl Acetate	2.62	43	114862	54.29	ug/L	99
16) Methylene chloride	2.70	84	108773	55.29	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	96019	55.92	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	315138	55.85	ug/L	99
19) 1,1-Dichloroethane	3.45	63	187168	56.21	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	110534	55.95	ug/L	100
22) 2-Butanone	4.26	43	153443	104.99	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59808	56.84	ug/L	97
25) Chloroform	4.68	83	197269	56.89	ug/L	99
27) 1,2-Dichloroethane	5.41	62	158815	55.45	ug/L	99
29) Cyclohexane	5.00	56	154155	53.89	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	176905	54.78	ug/L	100
31) Carbon tetrachloride	5.14	117	164420	55.75	ug/L	100
33) Benzene	5.39	78	410819	56.35	ug/L	100
34) Trichloroethene	6.19	95	104822	55.04	ug/L	98
35) Methylcyclohexane	6.42	83	161320	55.47	ug/L	98
37) 1,2-Dichloropropane	6.44	63	114717	57.51	ug/L	99
38) Bromodichloromethane	6.76	83	150823	56.75	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	163319	54.02	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	296457	108.16	ug/L	100
42) Toluene	7.64	91	441168	57.01	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	161151	56.00	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	108828	57.22	ug/L	99
46) Tetrachloroethene	8.23	164	89719	55.35	ug/L	98
48) 2-Hexanone	8.36	43	230240	107.83	ug/L	99
49) Dibromochloromethane	8.48	129	131002	57.12	ug/L	98
50) 1,2-Dibromoethane	8.59	107	115081	55.56	ug/L	98
51) Chlorobenzene	9.12	112	290175	55.62	ug/L	99
52) Ethylbenzene	9.25	91	482207	56.95	ug/L	100
53) m,p-Xylene	9.38	106	190439	58.86	ug/L	97
54) o-xylene	9.78	106	186916	58.21	ug/L	97
55) Styrene	9.80	104	316675	59.23	ug/L	100
56) Isopropylbenzene	10.17	105	480644	58.10	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	182163	56.36	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	143087	55.62	ug/L	99
61) Bromoform	9.96	173	98243	54.18	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	225330	54.04	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	228713	52.33	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	242428	54.63	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	40080	51.46	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	169432	54.37	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	132850	50.42	ug/L	100
69) Naphthalene	13.74	128	419791	49.38	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	150522	53.15	ug/L	99

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

