

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
 Data File : VU026571.D
 Acq On : 06 Sep 2018 02:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Sep 06 06:03:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 05:59:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	176528	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168457	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83313	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47779	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.36%
7) Chloroethane-d5	1.68	69	41647	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.32%
11) 1,1-Dichloroethene-d2	2.27	63	97923	39.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.52%
21) 2-Butanone-d5	4.18	46	77916	91.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.79%
24) Chloroform-d	4.65	84	93251	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.31	65	59411	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.34	84	176308	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
36) 1,2-Dichloropropane-d6	6.33	67	61238	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.82%
41) Toluene-d8	7.57	98	166277	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	25361	41.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.28%
47) 2-Hexanone-d5	8.31	63	57924	94.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87469	44.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	68146	45.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.16%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	66114	48.03	ug/L	99
3) Chloromethane	1.33	50	78358	46.10	ug/L	98
5) Vinyl chloride	1.40	62	87457	47.47	ug/L	99
6) Bromomethane	1.62	94	41456	37.95	ug/L	99
8) Chloroethane	1.70	64	53467	48.33	ug/L	99
9) Trichlorofluoromethane	1.88	101	112210	47.89	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	60618	46.37	ug/L	98
12) 1,1-Dichloroethene	2.28	96	56903	45.16	ug/L	88
13) Acetone	2.32	43	67410	91.71	ug/L	98
14) Carbon disulfide	2.48	76	173710	48.72	ug/L	99
15) Methyl Acetate	2.62	43	76926	53.30	ug/L	100
16) Methylene chloride	2.70	84	67336	51.98	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	58192	51.06	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	188379	54.45	ug/L	100
19) 1,1-Dichloroethane	3.45	63	118618	52.97	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	67483	52.85	ug/L	96
22) 2-Butanone	4.27	43	104917	106.19	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34851	52.98	ug/L	95
25) Chloroform	4.68	83	118938	52.00	ug/L	97
27) 1,2-Dichloroethane	5.41	62	94954	51.48	ug/L	99
29) Cyclohexane	5.00	56	100721	54.88	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	97945	52.84	ug/L	98
31) Carbon tetrachloride	5.14	117	88826	52.74	ug/L	99
33) Benzene	5.39	78	262728	54.40	ug/L	100
34) Trichloroethene	6.19	95	62388	51.50	ug/L	97
35) Methylcyclohexane	6.42	83	100674	53.22	ug/L	100
37) 1,2-Dichloropropane	6.44	63	73443	54.93	ug/L	100
38) Bromodichloromethane	6.76	83	90040	52.81	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	96464	50.64	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	200633	111.27	ug/L	100
42) Toluene	7.64	91	272692	54.11	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	89957	49.54	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	65082	53.14	ug/L	99
46) Tetrachloroethene	8.23	164	51618	52.12	ug/L	98
48) 2-Hexanone	8.36	43	158198	111.40	ug/L	99
49) Dibromochloromethane	8.48	129	73872	53.53	ug/L	100
50) 1,2-Dibromoethane	8.59	107	69560	53.33	ug/L	96
51) Chlorobenzene	9.12	112	173219	51.40	ug/L	99
52) Ethylbenzene	9.25	91	292614	53.39	ug/L	99
53) m,p-Xylene	9.38	106	109124	53.32	ug/L	100
54) o-xylene	9.78	106	110150	55.19	ug/L	96
55) Styrene	9.80	104	190580	54.67	ug/L	99
56) Isopropylbenzene	10.17	105	281318	53.85	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	113802	52.75	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	87885	52.68	ug/L	98
61) Bromoform	9.96	173	56497	54.94	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	127044	52.11	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	131683	51.07	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	138758	53.96	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23774	54.98	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	99963	50.81	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	85767	49.91	ug/L	98
69) Naphthalene	13.74	128	301434	56.18	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	97604	51.73	ug/L	98

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

