

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026964.D
 Acq On : 21 Sep 2018 03:36
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Sep 21 06:02:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	256932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	246749	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127955	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87793	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.38%
7) Chloroethane-d5	1.67	69	74422	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.50%
11) 1,1-Dichloroethene-d2	2.27	63	168556	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.74%
21) 2-Butanone-d5	4.18	46	131287	104.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.09%
24) Chloroform-d	4.65	84	165202	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	5.31	65	101697	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
32) Benzene-d6	5.34	84	326712	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
36) 1,2-Dichloropropane-d6	6.33	67	104841	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.10%
41) Toluene-d8	7.57	98	298969	47.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.70%
43) trans-1,3-Dichloropropene-	7.85	79	44865	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
47) 2-Hexanone-d5	8.31	63	98586	112.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	153520	49.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	128878	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	122744	50.549	ug/L 100
3) Chloromethane	1.32	50	138754	56.020	ug/L 99
5) Vinyl chloride	1.40	62	126580	52.513	ug/L 99
6) Bromomethane	1.61	94	65910	55.361	ug/L 100
8) Chloroethane	1.68	64	76894	50.905	ug/L 98
9) Trichlorofluoromethane	1.88	101	159324	53.198	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	94267	53.135	ug/L 98
12) 1,1-Dichloroethene	2.28	96	88044	52.842	ug/L 88
13) Acetone	2.32	43	97102	78.327	ug/L 97
14) Carbon disulfide	2.47	76	258793	45.009	ug/L 99
15) Methyl Acetate	2.61	43	105265	49.008	ug/L 100
16) Methylene chloride	2.70	84	102956	48.609	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	88699	48.336	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	279071	52.005	ug/L 99
19) 1,1-Dichloroethane	3.44	63	172818	48.827	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	100777	49.933	ug/L 98
22) 2-Butanone	4.26	43	144233	94.344	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55202	50.657	uq/L	95
25) Chloroform	4.67	83	174569	48.696	uq/L	97
27) 1,2-Dichloroethane	5.40	62	135876	48.571	uq/L	98
29) Cyclohexane	5.00	56	145564	50.808	uq/L	98
30) 1,1,1-Trichloroethane	4.92	97	147025	50.085	uq/L	98
31) Carbon tetrachloride	5.13	117	132295	50.291	uq/L	100
33) Benzene	5.39	78	385522	50.394	uq/L	100
34) Trichloroethene	6.19	95	91017	49.580	uq/L	99
35) Methylcyclohexane	6.42	83	149824	50.067	uq/L	99
37) 1,2-Dichloropropane	6.43	63	104527	49.739	uq/L	100
38) Bromodichloromethane	6.76	83	128204	49.193	uq/L	100
39) cis-1,3-Dichloropropene	7.27	75	143955	48.493	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	264155	105.788	uq/L	98
42) Toluene	7.64	91	399990	51.667	uq/L	100
44) trans-1,3-Dichloropropene	7.88	75	135697	48.820	uq/L	98
45) 1,1,2-Trichloroethane	8.07	97	98485	51.403	uq/L	98
46) Tetrachloroethene	8.23	164	83212	51.133	uq/L	97
48) 2-Hexanone	8.36	43	207005	102.773	uq/L	98
49) Dibromochloromethane	8.48	129	110479	50.941	uq/L	97
50) 1,2-Dibromoethane	8.59	107	99710	49.919	uq/L #	100
51) Chlorobenzene	9.12	112	262737	50.016	uq/L	100
52) Ethylbenzene	9.25	91	423346	52.204	uq/L	99
53) m,p-Xylene	9.38	106	169229	54.284	uq/L	97
54) o-xylene	9.78	106	167411	55.114	uq/L	97
55) Styrene	9.79	104	286090	54.553	uq/L	100
56) Isopropylbenzene	10.17	105	421556	54.331	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	162833	50.529	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	126275	50.164	uq/L	100
61) Bromoform	9.96	173	84486	50.211	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	199093	51.041	uq/L	100
63) 1,4-Dichlorobenzene	11.51	146	210092	48.914	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	226332	52.403	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	31075	47.426	uq/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	152217	50.428	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	127860	49.156	uq/L	99
69) Naphthalene	13.74	128	405373	52.900	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	147629	51.539	uq/L	98

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

