

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092518\
 Data File : VU027124.D
 Acq On : 25 Sep 2018 11:10
 Operator : MD/SY
 Sample : VSTD01051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Quant Time: Sep 26 01:43:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 26 01:42:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	170628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15467	10.19	ug/L	0.00
7) Chloroethane-d5	1.68	69	12366	10.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	29344	10.16	ug/L	0.00
21) 2-Butanone-d5	4.18	46	23108	18.72	ug/L	0.00
24) Chloroform-d	4.65	84	25439	10.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	17582	10.18	ug/L	0.00
32) Benzene-d6	5.34	84	48271	9.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	17289	9.97	ug/L	0.00
41) Toluene-d8	7.57	98	41632	9.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	7254	9.37	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	14056	16.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22936	9.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	13993	10.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16232	9.741 ug/L	96
3) Chloromethane	1.33	50	20590	9.722 ug/L	99
5) Vinyl chloride	1.40	62	19375	9.747 ug/L	100
6) Bromomethane	1.63	94	7338	8.664 ug/L	97
8) Chloroethane	1.70	64	11805	10.195 ug/L	100
9) Trichlorofluoromethane	1.89	101	21250	10.037 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12024	9.894 ug/L	100
12) 1,1-Dichloroethene	2.29	96	11202	9.952 ug/L	92
13) Acetone	2.32	43	22806	20.008 ug/L	99
14) Carbon disulfide	2.48	76	36591	9.340 ug/L	98
15) Methyl Acetate	2.62	43	20967	10.124 ug/L	98
16) Methylene chloride	2.70	84	14284	9.877 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	12133	9.887 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	39963	9.346 ug/L	99
19) 1,1-Dichloroethane	3.45	63	27941	9.908 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	12785	9.257 ug/L	98
22) 2-Butanone	4.26	43	27404	18.430 ug/L	98
23) Bromochloromethane	4.55	128	6214	9.568 ug/L	92
25) Chloroform	4.67	83	25457	9.626 ug/L	99
27) 1,2-Dichloroethane	5.41	62	21362	9.735 ug/L	100
29) Cyclohexane	5.00	56	21114	8.732 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	20158	9.793 ug/L	99
31) Carbon tetrachloride	5.14	117	17114	9.813 ug/L	100
33) Benzene	5.39	78	54102	9.804 ug/L	100
34) Trichloroethene	6.19	95	12212	9.486 ug/L	92
35) Methylcyclohexane	6.42	83	19786	9.117 ug/L	99
37) 1,2-Dichloropropane	6.43	63	16180	9.561 ug/L	99
38) Bromodichloromethane	6.76	83	18723	9.740 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	19624	8.618 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	43674	17.592 ug/L	95

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

42) Toluene	7.64	91	49272	9.053	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	19438	8.832	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	13204	9.848	ug/L	98
46) Tetrachloroethene	8.23	164	8829	9.563	ug/L	98
48) 2-Hexanone	8.37	43	35668	17.607	ug/L	94
49) Dibromochloromethane	8.48	129	13073	9.557	ug/L	100
50) 1,2-Dibromoethane	8.59	107	13328	9.680	ug/L	95
51) Chlorobenzene	9.12	112	32418	9.416	ug/L	97
52) Ethylbenzene	9.25	91	52038	8.756	ug/L	98
53) m,p-Xylene	9.38	106	18431	8.711	ug/L	98
54) o-xylene	9.78	106	17967	8.668	ug/L	97
55) Styrene	9.79	104	29017	8.165	ug/L	97
56) Isopropylbenzene	10.17	105	45152	8.344	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	23038	9.422	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	18723	9.478	ug/L	98
61) Bromoform	9.96	173	8677	10.014	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	19750	9.415	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	21628	9.718	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	22111	9.760	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4399	9.568	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	14246	9.304	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	11191	8.591	ug/L	96
69) Naphthalene	13.75	128	32029	7.241	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	12528	8.754	ug/L	99

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

