

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092518\
 Data File : VU027137.D
 Acq On : 25 Sep 2018 18:26
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Sep 26 02:28:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 26 02:22:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	182917	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	175338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79966	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74744	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.68	69	62458	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.02%
11) 1,1-Dichloroethene-d2	2.27	63	144426	46.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.32%
21) 2-Butanone-d5	4.18	46	138363	104.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.57%
24) Chloroform-d	4.65	84	133493	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
26) 1,2-Dichloroethane-d4	5.31	65	91552	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
32) Benzene-d6	5.34	84	262647	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
36) 1,2-Dichloropropane-d6	6.33	67	93859	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.57	98	237527	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	43360	52.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.00%
47) 2-Hexanone-d5	8.31	63	99626	111.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126998	51.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	83450	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	85858	48.063	ug/L	99
3) Chloromethane	1.33	50	114003	50.212	ug/L	98
5) Vinyl chloride	1.40	62	100836	47.319	ug/L	99
6) Bromomethane	1.62	94	46256	50.948	ug/L	100
8) Chloroethane	1.70	64	61274	49.360	ug/L	96
9) Trichlorofluoromethane	1.89	101	109997	48.465	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	63303	48.591	ug/L	99
12) 1,1-Dichloroethene	2.28	96	57583	47.722	ug/L	91
13) Acetone	2.32	43	114604	93.787	ug/L	100
14) Carbon disulfide	2.48	76	191555	45.612	ug/L	100
15) Methyl Acetate	2.62	43	107739	48.525	ug/L	100
16) Methylene chloride	2.70	84	74720	48.194	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	62752	47.702	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	229366	50.040	ug/L	99
19) 1,1-Dichloroethane	3.45	63	146717	48.530	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	72471	48.950	ug/L	98
22) 2-Butanone	4.26	43	156762	98.346	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33956	48.773	uq/L	98
25) Chloroform	4.67	83	135970	47.961	uq/L	99
27) 1,2-Dichloroethane	5.41	62	114903	48.846	uq/L	99
29) Cyclohexane	5.00	56	131267	50.920	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	107923	49.177	uq/L	99
31) Carbon tetrachloride	5.14	117	91162	49.029	uq/L	100
33) Benzene	5.39	78	294340	50.029	uq/L	100
34) Trichloroethene	6.19	95	66965	48.787	uq/L	98
35) Methylcyclohexane	6.42	83	114917	49.668	uq/L	100
37) 1,2-Dichloropropane	6.43	63	90573	50.201	uq/L	100
38) Bromodichloromethane	6.76	83	99990	48.789	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	121500	50.043	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	281291	106.275	uq/L	100
42) Toluene	7.64	91	298677	51.471	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	119299	50.844	uq/L	99
45) 1,1,2-Trichloroethane	8.07	97	71010	49.676	uq/L	98
46) Tetrachloroethene	8.23	164	49004	49.783	uq/L	99
48) 2-Hexanone	8.36	43	222499	103.018	uq/L	99
49) Dibromochloromethane	8.48	129	72743	49.876	uq/L	99
50) 1,2-Dibromoethane	8.59	107	72653	49.490	uq/L	97
51) Chlorobenzene	9.12	112	178902	48.738	uq/L	99
52) Ethylbenzene	9.25	91	322766	50.939	uq/L	100
53) m,p-Xylene	9.38	106	117287	51.990	uq/L	100
54) o-xylene	9.78	106	116350	52.650	uq/L	98
55) Styrene	9.79	104	198698	52.442	uq/L	100
56) Isopropylbenzene	10.17	105	300243	52.040	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	128382	49.249	uq/L	96
59) 1,2,3-Trichloropropane	10.49	75	103970	49.363	uq/L	100
61) Bromoform	9.96	173	49743	48.440	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	121983	49.067	uq/L	99
63) 1,4-Dichlorobenzene	11.51	146	127422	48.308	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	131797	49.085	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	26610	48.836	uq/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	89337	49.228	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	76643	49.643	uq/L	100
69) Naphthalene	13.74	128	280778	53.560	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	86093	50.760	uq/L	99

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

