

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102518\
 Data File : VU027806.D
 Acq On : 25 Oct 2018 15:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Quant Time: Oct 26 02:19:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	79887	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76064	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	38235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27301	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.84%
7) Chloroethane-d5	1.68	69	21243	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.28	63	53854	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
21) 2-Butanone-d5	4.18	46	50879	96.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.05%
24) Chloroform-d	4.65	84	56643	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
26) 1,2-Dichloroethane-d4	5.31	65	40486	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
32) Benzene-d6	5.34	84	100466	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.33	67	36430	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	93119	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	18257	48.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.22%
47) 2-Hexanone-d5	8.31	63	36600	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49104	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	36404	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	36597	56.370	ug/L 99
3) Chloromethane	1.33	50	39147	51.473	ug/L 98
5) Vinyl chloride	1.41	62	37464	51.931	ug/L 98
6) Bromomethane	1.62	94	14900	40.962	ug/L 99
8) Chloroethane	1.70	64	20288	52.104	ug/L 98
9) Trichlorofluoromethane	1.89	101	49493	56.940	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25064	52.657	ug/L 98
12) 1,1-Dichloroethene	2.29	96	22522	50.595	ug/L 92
13) Acetone	2.32	43	42863	116.169	ug/L 99
14) Carbon disulfide	2.48	76	75969	49.013	ug/L 98
15) Methyl Acetate	2.62	43	38184	49.175	ug/L 97
16) Methylene chloride	2.70	84	27559	50.119	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	25393	51.569	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	95393	51.830	ug/L 99
19) 1,1-Dichloroethane	3.45	63	57290	53.614	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	29584	50.785	ug/L 96
22) 2-Butanone	4.26	43	59374	108.146	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	14525	53.399	ug/L	95
25) Chloroform	4.68	83	57180	55.141	ug/L	100
27) 1,2-Dichloroethane	5.40	62	51410	57.126	ug/L	98
29) Cyclohexane	5.00	56	55805	51.185	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	50710	55.000	ug/L	99
31) Carbon tetrachloride	5.14	117	43975	53.002	ug/L	98
33) Benzene	5.39	78	117326	51.850	ug/L	100
34) Trichloroethene	6.19	95	29732	52.485	ug/L	97
35) Methylcyclohexane	6.42	83	49482	50.507	ug/L	96
37) 1,2-Dichloropropane	6.43	63	35107	52.510	ug/L	99
38) Bromodichloromethane	6.76	83	45116	54.302	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	53290	51.765	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	107314	99.871	ug/L	99
42) Toluene	7.64	91	123074	51.935	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	50685	52.048	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	27938	50.589	ug/L	99
46) Tetrachloroethene	8.23	164	23196	53.022	ug/L	96
48) 2-Hexanone	8.36	43	86888	104.268	ug/L	99
49) Dibromochloromethane	8.48	129	33308	50.900	ug/L	97
50) 1,2-Dibromoethane	8.59	107	30621	51.950	ug/L	96
51) Chlorobenzene	9.12	112	74642	51.376	ug/L	96
52) Ethylbenzene	9.25	91	142399	53.122	ug/L	99
53) m,p-Xylene	9.38	106	50540	52.191	ug/L	93
54) o-xylene	9.78	106	51169	53.010	ug/L	97
55) Styrene	9.79	104	85333	51.936	ug/L	98
56) Isopropylbenzene	10.17	105	137857	53.927	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	50402	51.323	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	40327	51.037	ug/L	100
61) Bromoform	9.96	173	24654	48.371	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	60030	52.360	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	61321	52.454	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	61844	52.445	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	12537	51.023	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	47027	53.035	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	42862	54.449	ug/L	99
69) Naphthalene	13.74	128	132914	52.277	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	44391	53.956	ug/L	99

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

