

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029046.D
 Acq On : 07 Jan 2019 09:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jan 08 01:36:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 28 00:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205699	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82949	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.67	69	62727	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.14%
11) 1,1-Dichloroethene-d2	2.27	63	138508	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	4.17	46	112231	93.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.83%
24) Chloroform-d	4.64	84	130943	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.31	65	78917	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.34	84	279247	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.33	67	92851	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.56	98	257851	48.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.92%
43) trans-1,3-Dichloropropene-	7.85	79	42636	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.40%
47) 2-Hexanone-d5	8.31	63	80878	86.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	130263	47.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	95509	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	77678	44.735	ug/L 99
3) Chloromethane	1.33	50	94009	39.815	ug/L 99
5) Vinyl chloride	1.40	62	94351	45.233	ug/L 98
6) Bromomethane	1.61	94	41430	46.628	ug/L 94
8) Chloroethane	1.69	64	53952	45.314	ug/L 97
9) Trichlorofluoromethane	1.88	101	99420	46.610	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66232	47.991	ug/L 99
12) 1,1-Dichloroethene	2.28	96	61976	45.392	ug/L 94
13) Acetone	2.32	43	125428	102.900	ug/L 98
14) Carbon disulfide	2.47	76	203309	42.640	ug/L 100
15) Methyl Acetate	2.61	43	86375	45.452	ug/L 98
16) Methylene chloride	2.70	84	78568	46.662	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	68288	46.164	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	215612	47.401	ug/L 99
19) 1,1-Dichloroethane	3.44	63	134603	46.810	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	80831	48.238	ug/L 93
22) 2-Butanone	4.26	43	149696	100.851	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38178	47.793	uq/L	93
25) Chloroform	4.67	83	128487	46.946	uq/L	100
27) 1,2-Dichloroethane	5.40	62	96818	47.599	uq/L	100
29) Cyclohexane	4.99	56	119758	43.743	uq/L	97
30) 1,1,1-Trichloroethane	4.91	97	103074	47.343	uq/L	99
31) Carbon tetrachloride	5.13	117	86008	48.988	uq/L	99
33) Benzene	5.39	78	308881	47.167	uq/L	100
34) Trichloroethene	6.18	95	74258	46.969	uq/L	97
35) Methylcyclohexane	6.41	83	121108	45.992	uq/L	99
37) 1,2-Dichloropropane	6.43	63	87031	47.542	uq/L	99
38) Bromodichloromethane	6.76	83	98597	48.637	uq/L	100
39) cis-1,3-Dichloropropene	7.27	75	123528	47.332	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	230196	93.556	uq/L	99
42) Toluene	7.63	91	318199	47.933	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	112323	48.282	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	75758	48.402	uq/L	98
46) Tetrachloroethene	8.22	164	59558	48.912	uq/L	97
48) 2-Hexanone	8.36	43	194281	96.203	uq/L	98
49) Dibromochloromethane	8.48	129	78536	50.375	uq/L	99
50) 1,2-Dibromoethane	8.58	107	80153	49.220	uq/L	99
51) Chlorobenzene	9.12	112	202515	48.405	uq/L	99
52) Ethylbenzene	9.25	91	343236	48.120	uq/L	99
53) m,p-Xylene	9.37	106	128988	48.902	uq/L	97
54) o-xylene	9.78	106	129371	48.937	uq/L	97
55) Styrene	9.79	104	221783	49.534	uq/L	100
56) Isopropylbenzene	10.16	105	328110	48.925	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	136224	47.909	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	104015	47.614	uq/L	100
61) Bromoform	9.95	173	62098	51.081	uq/L	98
62) 1,3-Dichlorobenzene	11.41	146	150876	48.432	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	154107	48.015	uq/L	98
65) 1,2-Dichlorobenzene	11.88	146	158596	48.803	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	27363	48.814	uq/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	112267	48.878	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97257	50.565	uq/L	99
69) Naphthalene	13.74	128	322372	48.275	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	101392	48.887	uq/L	99

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

