

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101518\
 Data File : VU027652.D
 Acq On : 15 Oct 2018 08:42
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Oct 16 05:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 13 04:07:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	196165	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180090	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61216	39.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.30%
7) Chloroethane-d5	1.67	69	52265	43.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.90%
11) 1,1-Dichloroethene-d2	2.28	63	124574	43.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.04%
21) 2-Butanone-d5	4.18	46	121726	97.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.67%
24) Chloroform-d	4.65	84	119520	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	80347	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
32) Benzene-d6	5.34	84	234259	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
36) 1,2-Dichloropropane-d6	6.33	67	83066	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.98%
41) Toluene-d8	7.57	98	201650	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%
43) trans-1,3-Dichloropropene-	7.85	79	37512	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
47) 2-Hexanone-d5	8.31	63	82380	92.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112013	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	74774	45.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	91172	46.867	ug/L 99
3) Chloromethane	1.33	50	107006	47.870	ug/L 99
5) Vinyl chloride	1.40	62	100553	46.034	ug/L 97
6) Bromomethane	1.62	94	46984	49.220	ug/L 97
8) Chloroethane	1.69	64	57655	44.044	ug/L 99
9) Trichlorofluoromethane	1.88	101	107353	49.100	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	62837	48.409	ug/L 98
12) 1,1-Dichloroethene	2.29	96	55951	44.155	ug/L 94
13) Acetone	2.32	43	138656	135.647	ug/L 99
14) Carbon disulfide	2.48	76	194401	41.765	ug/L 99
15) Methyl Acetate	2.62	43	100450	49.040	ug/L 99
16) Methylene chloride	2.70	84	72485	47.098	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	61101	43.544	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	223946	48.000	ug/L 99
19) 1,1-Dichloroethane	3.45	63	140453	48.475	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	72082	46.307	ug/L 100
22) 2-Butanone	4.26	43	160061	109.389	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33859	47.698	ug/L	98
25) Chloroform	4.67	83	133646	47.748	ug/L	100
27) 1,2-Dichloroethane	5.40	62	108593	48.309	ug/L	99
29) Cyclohexane	5.00	56	128907	47.191	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	107828	50.042	ug/L	99
31) Carbon tetrachloride	5.14	117	92163	50.853	ug/L	100
33) Benzene	5.39	78	289229	48.873	ug/L	100
34) Trichloroethene	6.19	95	66991	47.069	ug/L	99
35) Methylcyclohexane	6.42	83	114634	46.357	ug/L	97
37) 1,2-Dichloropropane	6.43	63	86211	50.281	ug/L	100
38) Bromodichloromethane	6.76	83	98521	50.566	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	121061	48.052	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	251854	100.309	ug/L	98
42) Toluene	7.64	91	286395	48.231	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	113534	48.549	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	68653	49.880	ug/L	97
46) Tetrachloroethene	8.23	164	49948	47.221	ug/L	99
48) 2-Hexanone	8.36	43	214133	108.008	ug/L	98
49) Dibromochloromethane	8.48	129	71936	50.124	ug/L	98
50) 1,2-Dibromoethane	8.59	107	68544	46.941	ug/L	99
51) Chlorobenzene	9.12	112	174305	46.431	ug/L	99
52) Ethylbenzene	9.25	91	312415	47.385	ug/L	99
53) m,p-Xylene	9.38	106	113351	46.972	ug/L	96
54) o-xylene	9.78	106	112316	48.312	ug/L	99
55) Styrene	9.79	104	193812	48.684	ug/L	100
56) Isopropylbenzene	10.17	105	295843	48.559	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	118809	49.267	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	97108	50.026	ug/L	100
61) Bromoform	9.96	173	51318	53.514	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	121421	46.226	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	126662	46.229	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	131758	49.275	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25855	52.160	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	89328	44.017	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	75564	40.489	ug/L	100
69) Naphthalene	13.74	128	273314	47.494	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	84017	44.270	ug/L	100

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

