

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021519\
 Data File : VU029497.D
 Acq On : 15 Feb 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Feb 15 23:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 15 23:28:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	422773	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	431006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	243626	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151198	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.62%
7) Chloroethane-d5	1.68	69	133024	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	291589	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
21) 2-Butanone-d5	4.17	46	204831	108.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.65%
24) Chloroform-d	4.65	84	258813	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
26) 1,2-Dichloroethane-d4	5.31	65	160388	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
32) Benzene-d6	5.34	84	539618	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.33	67	161790	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.16%
41) Toluene-d8	7.56	98	551241	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.85	79	87075	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.31	63	188801	103.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	275453	49.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	263379	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	148092	51.087	ug/L	98
3) Chloromethane	1.33	50	125135	49.207	ug/L	98
5) Vinyl chloride	1.40	62	170727	49.434	ug/L	99
6) Bromomethane	1.62	94	83319	52.861	ug/L	99
8) Chloroethane	1.69	64	113476	49.399	ug/L	98
9) Trichlorofluoromethane	1.88	101	276103	50.151	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	142962	48.546	ug/L	98
12) 1,1-Dichloroethene	2.28	96	131751	47.059	ug/L	98
13) Acetone	2.32	43	174748	86.744	ug/L	98
14) Carbon disulfide	2.48	76	366372	49.967	ug/L	100
15) Methyl Acetate	2.61	43	135412	51.787	ug/L	100
16) Methylene chloride	2.70	84	135237	49.920	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	132298	51.198	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	402566	50.320	ug/L	99
19) 1,1-Dichloroethane	3.44	63	221486	49.569	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	154241	51.370	ug/L	100
22) 2-Butanone	4.26	43	230739	100.362	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	84915	51.589	ug/L	97
25) Chloroform	4.67	83	253092	50.768	ug/L	100
27) 1,2-Dichloroethane	5.40	62	192773	50.294	ug/L	100
29) Cyclohexane	4.99	56	210761	49.413	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	224527	49.131	ug/L	99
31) Carbon tetrachloride	5.13	117	206528	49.931	ug/L	98
33) Benzene	5.39	78	543813	49.212	ug/L	100
34) Trichloroethene	6.18	95	152676	51.288	ug/L	99
35) Methylcyclohexane	6.41	83	253654	51.309	ug/L	99
37) 1,2-Dichloropropane	6.43	63	144676	49.875	ug/L	100
38) Bromodichloromethane	6.75	83	195378	49.961	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	240455	51.378	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	416799	102.179	ug/L	99
42) Toluene	7.63	91	648496	49.625	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	224818	50.971	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	153838	49.756	ug/L	99
46) Tetrachloroethene	8.22	164	150516	51.659	ug/L	98
48) 2-Hexanone	8.36	43	352524	98.929	ug/L	99
49) Dibromochloromethane	8.47	129	186324	49.709	ug/L	100
50) 1,2-Dibromoethane	8.58	107	174137	50.835	ug/L	99
51) Chlorobenzene	9.12	112	452370	50.435	ug/L	99
52) Ethylbenzene	9.25	91	749513	50.500	ug/L	100
53) m,p-Xylene	9.37	106	304000	51.026	ug/L	99
54) o-xylene	9.78	106	300718	50.250	ug/L	99
55) Styrene	9.79	104	512504	50.731	ug/L	96
56) Isopropylbenzene	10.16	105	796911	50.889	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	270344	49.447	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	207513	50.173	ug/L	99
61) Bromoform	9.95	173	157547	48.020	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	394418	50.776	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	395644	50.613	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	396745	48.930	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	64910	51.443	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	314618	53.077	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	281309	54.870	ug/L	100
69) Naphthalene	13.74	128	869207	55.158	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	290109	53.286	ug/L	98

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

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