

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030419\
 Data File : VU029806.D
 Acq On : 05 Mar 2019 00:37
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Mar 05 01:33:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 05 01:28:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	463811	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	462270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	135084	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.68	69	117611	38.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.86%
11) 1,1-Dichloroethene-d2	2.27	63	276577	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.26%
21) 2-Butanone-d5	4.17	46	247263	119.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.55%
24) Chloroform-d	4.64	84	275684	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.31	65	165346	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
32) Benzene-d6	5.34	84	571300	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.33	67	175508	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	555418	46.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.58%
43) trans-1,3-Dichloropropene-	7.85	79	82080	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
47) 2-Hexanone-d5	8.31	63	212846	109.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298472	50.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	247894	45.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	160613	50.504	ug/L 99
3) Chloromethane	1.32	50	156927	56.249	ug/L 99
5) Vinyl chloride	1.40	62	186248	49.156	ug/L 99
6) Bromomethane	1.62	94	109686	63.432	ug/L 98
8) Chloroethane	1.69	64	114990	45.629	ug/L 100
9) Trichlorofluoromethane	1.88	101	256639	42.491	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	155747	48.208	ug/L 99
12) 1,1-Dichloroethene	2.28	96	153318	49.917	ug/L 89
13) Acetone	2.32	43	165864	75.049	ug/L 98
14) Carbon disulfide	2.47	76	427772	53.179	ug/L 100
15) Methyl Acetate	2.61	43	182604	63.656	ug/L 99
16) Methylene chloride	2.70	84	173236	58.288	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	158197	55.804	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	480178	54.710	ug/L 99
19) 1,1-Dichloroethane	3.44	63	280114	57.144	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	186605	56.650	ug/L 96
22) 2-Butanone	4.26	43	259796	103.002	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	98230	54.398	ug/L	95
25) Chloroform	4.67	83	304911	55.751	ug/L	100
27) 1,2-Dichloroethane	5.40	62	218082	51.863	ug/L	98
29) Cyclohexane	4.99	56	239909	52.443	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	250515	51.110	ug/L	99
31) Carbon tetrachloride	5.13	117	220848	49.782	ug/L	99
33) Benzene	5.39	78	650104	54.852	ug/L	100
34) Trichloroethene	6.18	95	171919	53.846	ug/L	97
35) Methylcyclohexane	6.41	83	268967	50.727	ug/L	98
37) 1,2-Dichloropropane	6.43	63	174480	56.082	ug/L	99
38) Bromodichloromethane	6.75	83	220440	52.557	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	260995	51.995	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	486342	111.164	ug/L	98
42) Toluene	7.63	91	733004	52.298	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	237075	50.115	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	180701	54.491	ug/L	99
46) Tetrachloroethene	8.22	164	149225	47.752	ug/L	98
48) 2-Hexanone	8.36	43	388665	101.694	ug/L	97
49) Dibromochloromethane	8.47	129	200127	49.781	ug/L	98
50) 1,2-Dibromoethane	8.58	107	194467	52.930	ug/L	100
51) Chlorobenzene	9.12	112	493069	51.255	ug/L	99
52) Ethylbenzene	9.25	91	809637	50.862	ug/L	100
53) m,p-Xylene	9.37	106	319072	49.934	ug/L	98
54) o-xylene	9.77	106	317151	49.412	ug/L	99
55) Styrene	9.79	104	542611	50.078	ug/L	97
56) Isopropylbenzene	10.16	105	824729	49.104	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	312405	53.275	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	234038	52.759	ug/L	99
61) Bromoform	9.95	173	160545	47.096	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	396774	49.161	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	408257	50.265	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	411803	48.880	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68306	52.101	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	307353	49.904	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	272352	51.127	ug/L	99
69) Naphthalene	13.74	128	900093	54.973	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	285849	50.531	ug/L	100

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

