

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030519\
 Data File : VU029808.D
 Acq On : 05 Mar 2019 08:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Mar 06 00:31:52 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	498610	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	494430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	164367	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.98%
7) Chloroethane-d5	1.68	69	135027	41.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.14%
11) 1,1-Dichloroethene-d2	2.27	63	303790	42.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.08%
21) 2-Butanone-d5	4.17	46	243791	109.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.65%
24) Chloroform-d	4.64	84	290470	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.31	65	177988	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.34	84	636296	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
36) 1,2-Dichloropropane-d6	6.33	67	191114	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.12%
41) Toluene-d8	7.56	98	615452	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%
43) trans-1,3-Dichloropropene-	7.85	79	94377	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
47) 2-Hexanone-d5	8.31	63	209058	100.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306019	48.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	258613	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	167281	48.930	ug/L	99
3) Chloromethane	1.32	50	157298	52.447	ug/L	99
5) Vinyl chloride	1.40	62	185827	45.622	ug/L	100
6) Bromomethane	1.62	94	115188	61.964	ug/L	100
8) Chloroethane	1.69	64	113703	41.970	ug/L	98
9) Trichlorofluoromethane	1.88	101	258348	39.789	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	166508	47.942	ug/L	99
12) 1,1-Dichloroethene	2.28	96	154445	46.775	ug/L	92
13) Acetone	2.32	43	251043	105.662	ug/L	96
14) Carbon disulfide	2.47	76	436168	50.438	ug/L	99
15) Methyl Acetate	2.61	43	171139	55.495	ug/L	99
16) Methylene chloride	2.70	84	173989	54.456	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	160835	52.775	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	488680	51.793	ug/L	98
19) 1,1-Dichloroethane	3.44	63	281729	53.462	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	184746	52.171	ug/L	97
22) 2-Butanone	4.26	43	296046	109.182	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	97288	50.116	uq/L	96
25) Chloroform	4.67	83	312516	53.153	uq/L	99
27) 1,2-Dichloroethane	5.40	62	219583	48.576	uq/L	99
29) Cyclohexane	4.99	56	246522	50.383	uq/L	97
30) 1,1,1-Trichloroethane	4.91	97	256524	48.932	uq/L	100
31) Carbon tetrachloride	5.13	117	223818	47.170	uq/L	98
33) Benzene	5.39	78	664957	52.456	uq/L	100
34) Trichloroethene	6.18	95	175486	51.388	uq/L	96
35) Methylcyclohexane	6.41	83	289812	51.103	uq/L	98
37) 1,2-Dichloropropane	6.43	63	174416	52.415	uq/L	99
38) Bromodichloromethane	6.75	83	227309	50.670	uq/L	100
39) cis-1,3-Dichloropropene	7.26	75	274448	51.119	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	472243	100.920	uq/L	98
42) Toluene	7.63	91	734503	48.996	uq/L	99
44) trans-1,3-Dichloropropene	7.87	75	251853	49.776	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	175947	49.607	uq/L	97
46) Tetrachloroethene	8.22	164	155098	46.403	uq/L	98
48) 2-Hexanone	8.36	43	403971	98.824	uq/L	98
49) Dibromochloromethane	8.47	129	203164	47.249	uq/L	100
50) 1,2-Dibromoethane	8.58	107	194113	49.397	uq/L	100
51) Chlorobenzene	9.12	112	498738	48.472	uq/L	99
52) Ethylbenzene	9.25	91	819457	48.130	uq/L	99
53) m,p-Xylene	9.37	106	323202	47.290	uq/L	98
54) o-xylene	9.77	106	322240	46.939	uq/L	99
55) Styrene	9.79	104	547740	47.264	uq/L	98
56) Isopropylbenzene	10.16	105	833014	46.371	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	311080	49.599	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	231996	48.897	uq/L	99
61) Bromoform	9.95	173	165379	47.241	uq/L	98
62) 1,3-Dichlorobenzene	11.41	146	408033	49.229	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	417996	50.113	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	418735	48.398	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67506	50.139	uq/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	324198	51.257	uq/L	98
68) 1,2,4-trichlorobenzene	13.50	180	282287	51.601	uq/L	99
69) Naphthalene	13.74	128	875039	52.040	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	294858	50.756	uq/L	98

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

