

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031619\
 Data File : VU030131.D
 Acq On : 15 Mar 2019 23:29
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Mar 16 00:58:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:52:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	528160	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	516638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	268259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156122	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.38%
7) Chloroethane-d5	1.68	69	131272	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.10%
11) 1,1-Dichloroethene-d2	2.27	63	288276	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
21) 2-Butanone-d5	4.18	46	276811	105.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.76%
24) Chloroform-d	4.65	84	310091	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	5.31	65	177085	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
32) Benzene-d6	5.34	84	636730	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.33	67	199132	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.56	98	588390	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%
43) trans-1,3-Dichloropropene-	7.85	79	92779	47.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.12%
47) 2-Hexanone-d5	8.31	63	235834	103.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316418	50.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	249174	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	142242	42.623	ug/L	100
3) Chloromethane	1.33	50	154846	42.057	ug/L	100
5) Vinyl chloride	1.40	62	181069	44.864	ug/L	100
6) Bromomethane	1.62	94	58540	23.414	ug/L	98
8) Chloroethane	1.69	64	115554	43.683	ug/L	98
9) Trichlorofluoromethane	1.88	101	249085	46.019	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	154589	44.552	ug/L	99
12) 1,1-Dichloroethene	2.28	96	150352	45.418	ug/L	91
13) Acetone	2.32	43	172280	56.294	ug/L	99
14) Carbon disulfide	2.48	76	428909	41.803	ug/L	99
15) Methyl Acetate	2.61	43	200891	50.808	ug/L	98
16) Methylene chloride	2.70	84	182806	46.766	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	161273	44.735	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	511067	47.799	ug/L	99
19) 1,1-Dichloroethane	3.44	63	302783	48.917	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	193105	47.052	ug/L	96
22) 2-Butanone	4.26	43	283810	81.459	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98634	46.395	ug/L	98
25) Chloroform	4.67	83	314648	48.434	ug/L	97
27) 1,2-Dichloroethane	5.40	62	228940	49.017	ug/L	99
29) Cyclohexane	4.99	56	248603	43.628	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	265871	47.139	ug/L	99
31) Carbon tetrachloride	5.13	117	229058	45.992	ug/L	100
33) Benzene	5.39	78	703812	47.607	ug/L	100
34) Trichloroethene	6.18	95	179083	46.219	ug/L	100
35) Methylcyclohexane	6.41	83	270819	43.103	ug/L	99
37) 1,2-Dichloropropane	6.43	63	190939	49.101	ug/L	100
38) Bromodichloromethane	6.76	83	236441	48.895	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	279563	46.197	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	510439	97.214	ug/L	100
42) Toluene	7.63	91	764348	47.553	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	256516	46.425	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	190503	48.985	ug/L	99
46) Tetrachloroethene	8.22	164	151449	44.664	ug/L	99
48) 2-Hexanone	8.36	43	405495	90.524	ug/L	99
49) Dibromochloromethane	8.47	129	209797	48.284	ug/L	97
50) 1,2-Dibromoethane	8.58	107	206669	48.212	ug/L	97
51) Chlorobenzene	9.12	112	505635	46.660	ug/L	99
52) Ethylbenzene	9.25	91	822760	46.497	ug/L	100
53) m,p-Xylene	9.37	106	324424	47.388	ug/L	99
54) o-xylene	9.78	106	321030	47.741	ug/L	99
55) Styrene	9.79	104	554986	48.471	ug/L	100
56) Isopropylbenzene	10.16	105	833212	47.330	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	325257	48.729	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	247776	48.925	ug/L	99
61) Bromoform	9.95	173	167365	50.122	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	402517	46.462	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	411893	46.758	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	418356	47.975	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	70878	50.017	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	308389	45.862	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	277780	45.162	ug/L	99
69) Naphthalene	13.74	128	909682	45.520	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	293585	45.946	ug/L	98

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

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