

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030293.D
 Acq On : 22 Mar 2019 02:14
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Mar 22 05:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 05:14:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	545900	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	538017	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	275571	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167469	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	141193	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.68%
11) 1,1-Dichloroethene-d2	2.27	63	314612	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
21) 2-Butanone-d5	4.17	46	297129	108.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.65	84	330655	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
26) 1,2-Dichloroethane-d4	5.31	65	188556	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
32) Benzene-d6	5.34	84	686967	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.33	67	214595	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.56	98	635990	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%
43) trans-1,3-Dichloropropene-	7.85	79	98379	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.31	63	235927	103.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	337373	50.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	266543	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	215102	46.540	ug/L	99
3) Chloromethane	1.33	50	216145	48.313	ug/L	100
5) Vinyl chloride	1.40	62	234278	49.331	ug/L	99
6) Bromomethane	1.62	94	129137	50.247	ug/L	98
8) Chloroethane	1.70	64	135488	48.253	ug/L	99
9) Trichlorofluoromethane	1.88	101	292219	48.452	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	172621	47.070	ug/L	99
12) 1,1-Dichloroethene	2.28	96	175294	48.131	ug/L	97
13) Acetone	2.32	43	195893	68.458	ug/L	99
14) Carbon disulfide	2.48	76	498895	45.863	ug/L	99
15) Methyl Acetate	2.61	43	210772	50.652	ug/L	97
16) Methylene chloride	2.70	84	205441	49.737	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	183851	47.901	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	563320	51.022	ug/L	99
19) 1,1-Dichloroethane	3.44	63	334412	50.656	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	213497	50.770	ug/L	97
22) 2-Butanone	4.26	43	311762	92.701	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	111813	49.680	uq/L	97
25) Chloroform	4.67	83	335989	48.852	uq/L	99
27) 1,2-Dichloroethane	5.40	62	240887	49.414	uq/L	100
29) Cyclohexane	4.99	56	285628	48.860	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	287433	49.572	uq/L	99
31) Carbon tetrachloride	5.13	117	247488	48.214	uq/L	99
33) Benzene	5.39	78	789405	50.856	uq/L	100
34) Trichloroethene	6.18	95	203570	49.757	uq/L	98
35) Methylcyclohexane	6.41	83	301863	47.052	uq/L	99
37) 1,2-Dichloropropane	6.43	63	201212	50.614	uq/L	99
38) Bromodichloromethane	6.76	83	255664	50.019	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	307941	48.280	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	559493	102.403	uq/L	98
42) Toluene	7.63	91	857415	50.749	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	270151	48.948	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	205379	50.329	uq/L	99
46) Tetrachloroethene	8.22	164	167943	48.584	uq/L	99
48) 2-Hexanone	8.36	43	440726	97.188	uq/L	98
49) Dibromochloromethane	8.47	129	223712	48.888	uq/L	100
50) 1,2-Dibromoethane	8.58	107	223735	49.452	uq/L	98
51) Chlorobenzene	9.12	112	545413	48.794	uq/L	99
52) Ethylbenzene	9.25	91	920972	50.194	uq/L	100
53) m,p-Xylene	9.37	106	357739	50.606	uq/L	100
54) o-xylene	9.78	106	352342	50.704	uq/L	99
55) Styrene	9.79	104	596246	50.642	uq/L	100
56) Isopropylbenzene	10.16	105	900036	50.097	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	349589	50.239	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	266231	49.550	uq/L	99
61) Bromoform	9.95	173	174745	49.104	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	430218	48.933	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	443548	48.636	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	438082	48.769	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	72758	48.446	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	327453	47.656	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	282605	46.509	uq/L	100
69) Naphthalene	13.74	128	863524	44.793	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	298440	47.071	uq/L	99

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

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