

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035509.D
 Acq On : 26 Oct 2019 11:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Oct 30 01:31:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	577392	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	574130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	258591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	238587	52.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.78%
7) Chloroethane-d5	1.93	69	200787	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.18%
11) 1,1-Dichloroethene-d2	2.60	63	410848	54.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.00%
21) 2-Butanone-d5	4.69	46	304020	101.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.20%
24) Chloroform-d	5.11	84	396945	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.32%
26) 1,2-Dichloroethane-d4	5.75	65	249485	52.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.70%
32) Benzene-d6	5.77	84	816038	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.44%
36) 1,2-Dichloropropane-d6	6.73	67	263382	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.24%
41) Toluene-d8	7.93	98	756415	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%
43) trans-1,3-Dichloropropene-	8.21	79	124237	53.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.02%
47) 2-Hexanone-d5	8.68	63	198084	107.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.13%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	356945	50.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.34%
64) 1,2-Dichlorobenzene-d4	12.22	152	248087	49.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	290811	58.579	ug/L 99
3) Chloromethane	1.54	50	296259	55.917	ug/L 100
5) Vinyl chloride	1.62	62	319582	55.575	ug/L 100
6) Bromomethane	1.87	94	133838	51.077	ug/L 100
8) Chloroethane	1.95	64	190067	55.978	ug/L 99
9) Trichlorofluoromethane	2.16	101	378271	57.358	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	224494	58.020	ug/L 99
12) 1,1-Dichloroethene	2.61	96	208838	57.130	ug/L 96
13) Acetone	2.66	43	357704	118.832	ug/L 99
14) Carbon disulfide	2.82	76	667363	56.197	ug/L 99
15) Methyl Acetate	2.99	43	275563	55.701	ug/L 99
16) Methylene chloride	3.08	84	255994	56.301	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	222306	56.895	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	681737	55.996	ug/L 99
19) 1,1-Dichloroethane	3.92	63	448114	55.966	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	248353	56.534	ug/L 100
22) 2-Butanone	4.77	43	439637	116.716	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	127072	56.759	ug/L	99
25) Chloroform	5.14	83	446191	56.494	ug/L	100
27) 1,2-Dichloroethane	5.84	62	336782	55.379	ug/L	100
29) Cyclohexane	5.43	56	375634	57.754	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	359101	56.206	ug/L	100
31) Carbon tetrachloride	5.57	117	319225	56.866	ug/L	99
33) Benzene	5.82	78	982349	56.731	ug/L	100
34) Trichloroethene	6.58	95	233532	54.926	ug/L	99
35) Methylcyclohexane	6.80	83	352265	59.558	ug/L	99
37) 1,2-Dichloropropane	6.83	63	265273	56.045	ug/L	99
38) Bromodichloromethane	7.14	83	329702	55.998	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	380941	54.392	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	696481	107.898	ug/L	100
42) Toluene	8.00	91	1028503	57.591	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	363802	56.933	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	239512	55.331	ug/L	98
46) Tetrachloroethene	8.58	164	188403	56.674	ug/L	99
48) 2-Hexanone	8.73	43	567690	107.398	ug/L	96
49) Dibromochloromethane	8.84	129	256917	54.954	ug/L	99
50) 1,2-Dibromoethane	8.96	107	255135	56.023	ug/L	100
51) Chlorobenzene	9.48	112	645582	55.647	ug/L	98
52) Ethylbenzene	9.60	91	1102583	57.950	ug/L	100
53) m,p-Xylene	9.72	106	420970	59.691	ug/L	99
54) o-xylene	10.13	106	403722	58.502	ug/L	98
55) Styrene	10.14	104	684751	60.801	ug/L	99
56) Isopropylbenzene	10.51	105	1022751	58.904	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	414730	54.221	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	323815	53.229	ug/L	99
61) Bromoform	10.32	173	192943	49.422	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	441724	53.517	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	438181	52.177	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	445464	53.009	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	67978	48.695	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	230637	54.721	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	130077	49.112	ug/L	99
69) Naphthalene	14.11	128	300893	40.846	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	137754	50.322	ug/L	99

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

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