

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022820\
 Data File : VU036987.D
 Acq On : 28 Feb 2020 20:48
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Feb 29 00:37:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 29 00:30:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	258245	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249995	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87609	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	80394	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.59	63	159621	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
21) 2-Butanone-d5	4.67	46	150803	103.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.67%
24) Chloroform-d	5.11	84	161494	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
26) 1,2-Dichloroethane-d4	5.74	65	107378	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.76	84	339825	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
36) 1,2-Dichloropropane-d6	6.72	67	110918	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.92	98	315038	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.20	79	49233	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.66	63	115342	100.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162773	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	12.21	152	104502	48.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	106818	48.765	ug/L 100
3) Chloromethane	1.54	50	120823	47.945	ug/L 99
5) Vinyl chloride	1.62	62	128977	49.618	ug/L 100
6) Bromomethane	1.87	94	69107	51.817	ug/L 98
8) Chloroethane	1.95	64	78535	50.402	ug/L 98
9) Trichlorofluoromethane	2.16	101	138684	50.305	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82981	50.317	ug/L 99
12) 1,1-Dichloroethene	2.61	96	81681	48.969	ug/L 84
13) Acetone	2.66	43	111494	74.513	ug/L 98
14) Carbon disulfide	2.82	76	246674	46.741	ug/L 100
15) Methyl Acetate	2.98	43	116701	51.169	ug/L 100
16) Methylene chloride	3.08	84	101813	50.044	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	87803	49.001	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	287249	49.317	ug/L 99
19) 1,1-Dichloroethane	3.91	63	173730	49.897	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	99909	49.866	ug/L 98
22) 2-Butanone	4.75	43	170447	94.464	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45385	50.019	ug/L	96
25) Chloroform	5.13	83	170246	50.677	ug/L	98
27) 1,2-Dichloroethane	5.83	62	135818	49.660	ug/L	99
29) Cyclohexane	5.43	56	156265	47.104	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	132653	49.491	ug/L	100
31) Carbon tetrachloride	5.56	117	102694	48.882	ug/L	99
33) Benzene	5.81	78	389328	49.296	ug/L	100
34) Trichloroethene	6.57	95	95267	49.078	ug/L	99
35) Methylcyclohexane	6.79	83	159924	47.518	ug/L	99
37) 1,2-Dichloropropane	6.82	63	105356	49.544	ug/L	99
38) Bromodichloromethane	7.13	83	121943	48.581	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	157535	48.092	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	315566	100.710	ug/L	100
42) Toluene	7.99	91	417522	49.622	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	134346	47.279	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	93561	49.477	ug/L	99
46) Tetrachloroethene	8.57	164	61722	48.267	ug/L	99
48) 2-Hexanone	8.71	43	243406	97.344	ug/L	100
49) Dibromochloromethane	8.83	129	87433	48.712	ug/L	99
50) 1,2-Dibromoethane	8.95	107	97853	49.484	ug/L	99
51) Chlorobenzene	9.47	112	240789	48.297	ug/L	100
52) Ethylbenzene	9.59	91	443571	48.630	ug/L	99
53) m,p-Xylene	9.71	106	164626	49.203	ug/L	99
54) o-xylene	10.12	106	161198	48.305	ug/L	99
55) Styrene	10.13	104	266516	48.855	ug/L	100
56) Isopropylbenzene	10.50	105	418656	48.845	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	167600	49.576	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	137263	50.177	ug/L	99
61) Bromoform	10.31	173	59477	47.586	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	170930	47.662	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169343	47.794	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	173379	48.419	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35699	50.253	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	112754	49.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	84699	49.663	ug/L	99
69) Naphthalene	14.12	128	133504	44.344	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	85800	50.344	ug/L	98

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

