

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037567.D
 Acq On : 03 Apr 2020 14:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Apr 04 05:17:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 03:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	180276	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	169295	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	82039	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68970	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.22%
7) Chloroethane-d5	1.93	69	54032	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.86%
11) 1,1-Dichloroethene-d2	2.59	63	121502	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.74%
21) 2-Butanone-d5	4.66	46	103797	94.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.32%
24) Chloroform-d	5.11	84	121648	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.74	65	77559	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	5.76	84	236560	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
36) 1,2-Dichloropropane-d6	6.72	67	79011	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.70%
41) Toluene-d8	7.92	98	220421	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	8.20	79	43615	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.30%
47) 2-Hexanone-d5	8.66	63	81023	92.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.61%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113086	47.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.82%
64) 1,2-Dichlorobenzene-d4	12.21	152	78411	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	56994	48.903	ug/L 99
3) Chloromethane	1.54	50	60773	49.159	ug/L 100
5) Vinyl chloride	1.62	62	60487	49.272	ug/L 98
6) Bromomethane	1.87	94	33281	54.969	ug/L 99
8) Chloroethane	1.95	64	35202	48.620	ug/L 97
9) Trichlorofluoromethane	2.16	101	87552	50.269	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	50117	50.449	ug/L 98
12) 1,1-Dichloroethene	2.60	96	48766	50.570	ug/L 91
13) Acetone	2.66	43	60275	94.759	ug/L 97
14) Carbon disulfide	2.82	76	137616	49.404	ug/L 99
15) Methyl Acetate	2.98	43	72055	49.989	ug/L 100
16) Methylene chloride	3.08	84	59549	50.910	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	50795	48.916	ug/L 95
18) Methyl tert-butyl Ether	3.40	73	193418	53.137	ug/L 99
19) 1,1-Dichloroethane	3.91	63	104357	51.294	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	60684	50.747	ug/L 98
22) 2-Butanone	4.75	43	103573	99.761	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	30630	53.366	ug/L	97
25) Chloroform	5.13	83	107865	50.851	ug/L	97
27) 1,2-Dichloroethane	5.83	62	85685	52.341	ug/L	100
29) Cyclohexane	5.43	56	89017	50.172	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	91421	50.943	ug/L	99
31) Carbon tetrachloride	5.56	117	72574	49.136	ug/L	99
33) Benzene	5.81	78	226771	51.122	ug/L	100
34) Trichloroethene	6.57	95	57917	49.933	ug/L	97
35) Methylcyclohexane	6.79	83	86651	48.351	ug/L	97
37) 1,2-Dichloropropane	6.82	63	65036	51.457	ug/L	98
38) Bromodichloromethane	7.14	83	84099	51.160	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	104420	52.896	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	213654	104.173	ug/L	100
42) Toluene	8.00	91	240657	50.134	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	100452	51.672	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	61946	53.682	ug/L	97
46) Tetrachloroethene	8.58	164	38407	49.316	ug/L	95
48) 2-Hexanone	8.71	43	163676	102.622	ug/L	99
49) Dibromochloromethane	8.83	129	67793	52.672	ug/L	99
50) 1,2-Dibromoethane	8.95	107	66117	52.099	ug/L	95
51) Chlorobenzene	9.47	112	150611	50.584	ug/L	98
52) Ethylbenzene	9.59	91	272000	50.106	ug/L	100
53) m,p-Xylene	9.71	106	100349	49.558	ug/L	97
54) o-xylene	10.12	106	99188	50.824	ug/L	96
55) Styrene	10.13	104	172651	49.962	ug/L	99
56) Isopropylbenzene	10.50	105	265311	50.140	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	109056	52.424	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	85036	52.337	ug/L	99
61) Bromoform	10.31	173	48726	51.955	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	115784	48.878	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	118179	49.430	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	117060	49.908	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	27186	48.321	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	81181	49.374	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	79370	50.636	ug/L	96
69) Naphthalene	14.12	128	320179	48.215	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	80245	50.677	ug/L	99

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

