

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040720\
 Data File : VU037598.D
 Acq On : 07 Apr 2020 09:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Apr 08 02:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 12:54:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	182735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	171187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	83154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59010	39.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.52%
7) Chloroethane-d5	1.93	69	51381	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.18%
11) 1,1-Dichloroethene-d2	2.59	63	108322	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.84%
21) 2-Butanone-d5	4.66	46	107182	96.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.09%
24) Chloroform-d	5.11	84	114823	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	5.74	65	76046	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
32) Benzene-d6	5.76	84	225865	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.73	67	77697	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.08%
41) Toluene-d8	7.92	98	207214	44.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.66%
43) trans-1,3-Dichloropropene-	8.20	79	39519	43.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.18%
47) 2-Hexanone-d5	8.66	63	83207	94.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	116179	48.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.34%
64) 1,2-Dichlorobenzene-d4	12.21	152	78086	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	53937	45.657	ug/L 99
3) Chloromethane	1.54	50	52887	42.204	ug/L 100
5) Vinyl chloride	1.62	62	57980	46.595	ug/L 99
6) Bromomethane	1.87	94	32827	53.489	ug/L 98
8) Chloroethane	1.95	64	34271	46.697	ug/L 96
9) Trichlorofluoromethane	2.16	101	85740	48.566	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	49635	49.292	ug/L 96
12) 1,1-Dichloroethene	2.61	96	46297	47.363	ug/L 98
13) Acetone	2.65	43	73665	114.251	ug/L 98
14) Carbon disulfide	2.82	76	123152	43.616	ug/L 100
15) Methyl Acetate	2.98	43	66436	45.471	ug/L 99
16) Methylene chloride	3.08	84	55407	46.731	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	47458	45.088	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	177918	48.221	ug/L 99
19) 1,1-Dichloroethane	3.91	63	97645	47.349	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	55723	45.972	ug/L 98
22) 2-Butanone	4.74	43	100608	95.601	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	27869	47.903	ug/L	94
25) Chloroform	5.13	83	102669	47.750	ug/L	96
27) 1,2-Dichloroethane	5.83	62	77631	46.783	ug/L	100
29) Cyclohexane	5.43	56	83639	46.620	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	86714	47.786	ug/L	99
31) Carbon tetrachloride	5.56	117	69720	46.682	ug/L	100
33) Benzene	5.81	78	212737	47.428	ug/L	100
34) Trichloroethene	6.57	95	55056	46.942	ug/L	98
35) Methylcyclohexane	6.79	83	85118	46.970	ug/L	98
37) 1,2-Dichloropropane	6.83	63	60074	47.006	ug/L	98
38) Bromodichloromethane	7.14	83	79641	47.913	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	94744	47.464	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	188485	90.886	ug/L	99
42) Toluene	8.00	91	227209	46.809	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	95199	48.429	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	55945	47.946	ug/L	98
46) Tetrachloroethene	8.58	164	36816	46.751	ug/L	96
48) 2-Hexanone	8.71	43	152303	94.436	ug/L	99
49) Dibromochloromethane	8.83	129	62014	47.649	ug/L	99
50) 1,2-Dibromoethane	8.95	107	60953	47.499	ug/L	99
51) Chlorobenzene	9.47	112	144231	47.906	ug/L	97
52) Ethylbenzene	9.59	91	260312	47.423	ug/L	99
53) m,p-Xylene	9.72	106	98251	47.986	ug/L	94
54) o-xylene	10.12	106	96417	48.858	ug/L	99
55) Styrene	10.13	104	168044	48.091	ug/L	97
56) Isopropylbenzene	10.50	105	260488	48.684	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	100427	47.742	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	78665	47.880	ug/L	100
61) Bromoform	10.31	173	46695	49.122	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	113857	47.420	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	116410	48.038	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	114824	48.298	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	26105	45.778	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	81617	48.973	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	77903	49.034	ug/L	99
69) Naphthalene	14.12	128	284464	42.262	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	75683	47.155	ug/L	99

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

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