

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037866.D
 Acq On : 24 Apr 2020 09:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Apr 25 01:06:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 24 09:38:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	554038	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	526661	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	267145	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	203503	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.08%
7) Chloroethane-d5	1.93	69	163268	43.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.04%
11) 1,1-Dichloroethene-d2	2.59	63	330902	42.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.46%
21) 2-Butanone-d5	4.66	46	334837	87.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.30%
24) Chloroform-d	5.10	84	324654	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
26) 1,2-Dichloroethane-d4	5.74	65	218758	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
32) Benzene-d6	5.76	84	665946	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.42%
36) 1,2-Dichloropropane-d6	6.72	67	221766	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.04%
41) Toluene-d8	7.93	98	610146	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.20	79	114862	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
47) 2-Hexanone-d5	8.65	63	247652	91.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.33%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	310247	44.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.52%
64) 1,2-Dichlorobenzene-d4	12.21	152	223642	43.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	190611	41.701	ug/L 99
3) Chloromethane	1.54	50	206122	41.375	ug/L 99
5) Vinyl chloride	1.62	62	223188	40.604	ug/L 100
6) Bromomethane	1.87	94	95724	42.087	ug/L 98
8) Chloroethane	1.95	64	129548	41.947	ug/L 97
9) Trichlorofluoromethane	2.16	101	243405	41.649	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	137172	40.277	ug/L 97
12) 1,1-Dichloroethene	2.60	96	139860	41.580	ug/L 95
13) Acetone	2.65	43	191955	83.879	ug/L 98
14) Carbon disulfide	2.82	76	471745	39.216	ug/L 99
15) Methyl Acetate	2.98	43	219730	39.726	ug/L 100
16) Methylene chloride	3.08	84	165260	41.347	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	151749	40.349	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	531233	41.006	ug/L 100
19) 1,1-Dichloroethane	3.91	63	310446	40.949	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	166864	40.522	ug/L 99
22) 2-Butanone	4.75	43	326624	81.509	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	83391	41.909	ug/L	99
25) Chloroform	5.13	83	293807	41.418	ug/L	99
27) 1,2-Dichloroethane	5.83	62	249490	41.065	ug/L	100
29) Cyclohexane	5.42	56	309019	41.941	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	250988	42.673	ug/L	99
31) Carbon tetrachloride	5.56	117	203285	42.754	ug/L	100
33) Benzene	5.81	78	672655	42.080	ug/L	100
34) Trichloroethene	6.57	95	163930	41.808	ug/L	99
35) Methylcyclohexane	6.79	83	292503	42.603	ug/L	99
37) 1,2-Dichloropropane	6.82	63	184394	42.235	ug/L	99
38) Bromodichloromethane	7.13	83	227392	43.109	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	296949	42.481	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	619803	81.631	ug/L	99
42) Toluene	8.00	91	708678	42.285	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	287283	42.577	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	160191	42.060	ug/L	99
46) Tetrachloroethene	8.58	164	121942	42.549	ug/L	99
48) 2-Hexanone	8.71	43	485797	80.921	ug/L	99
49) Dibromochloromethane	8.83	129	169416	42.599	ug/L	100
50) 1,2-Dibromoethane	8.95	107	173013	41.936	ug/L	99
51) Chlorobenzene	9.47	112	434017	41.634	ug/L	98
52) Ethylbenzene	9.59	91	793758	42.292	ug/L	100
53) m,p-Xylene	9.71	106	297543	42.106	ug/L	99
54) o-xylene	10.12	106	290818	42.080	ug/L	98
55) Styrene	10.13	104	505808	42.558	ug/L	99
56) Isopropylbenzene	10.50	105	775134	42.379	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	281991	41.630	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	242801	41.399	ug/L	98
61) Bromoform	10.31	173	127129	42.285	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	343466	41.063	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	345668	40.945	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	336096	41.351	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	71214	39.314	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	249143	40.987	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	232464	39.321	ug/L	100
69) Naphthalene	14.12	128	784767	37.018	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	232541	39.834	ug/L	98

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

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