

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036684.D
 Acq On : 06 Feb 2020 13:49
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

Quant Time: Feb 07 04:54:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:51:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	243837	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	109068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78961	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.16%
7) Chloroethane-d5	1.93	69	75797	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.59	63	150476	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
21) 2-Butanone-d5	4.68	46	163822	113.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.28%
24) Chloroform-d	5.11	84	161328	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
26) 1,2-Dichloroethane-d4	5.74	65	110708	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
32) Benzene-d6	5.77	84	322982	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
36) 1,2-Dichloropropane-d6	6.73	67	109032	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.46%
41) Toluene-d8	7.93	98	295623	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	8.21	79	54672	53.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.30%
47) 2-Hexanone-d5	8.67	63	131655	108.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.40%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	165586	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
66) 1,2-Dichlorobenzene-d4	12.21	152	101761	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	79408	45.220	ug/L 100
3) Chloromethane	1.54	50	105061	50.488	ug/L 100
5) Vinyl chloride	1.62	62	105060	46.889	ug/L 99
6) Bromomethane	1.87	94	71765	51.082	ug/L 98
8) Chloroethane	1.95	64	68880	48.437	ug/L 99
9) Trichlorofluoromethane	2.16	101	122122	45.867	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	72650	45.556	ug/L 98
12) 1,1-Dichloroethene	2.61	96	74141	47.755	ug/L 98
13) Acetone	2.66	43	151361	98.530	ug/L 100
14) Carbon disulfide	2.82	76	223824	48.242	ug/L 99
15) Methyl Acetate	2.99	43	121885	54.882	ug/L 100
16) Methylene chloride	3.08	84	99254	51.796	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	82724	50.078	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	310112	54.090	ug/L 100
19) 1,1-Dichloroethane	3.92	63	169570	51.518	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	99518	52.873	ug/L 99
22) 2-Butanone	4.76	43	194769	106.825	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46396	52.602	ug/L	99
25) Chloroform	5.13	83	163956	51.220	ug/L	98
27) 1,2-Dichloroethane	5.84	62	143990	53.489	ug/L	99
29) Cyclohexane	5.43	56	142789	45.588	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	125567	48.478	ug/L	99
31) Carbon tetrachloride	5.57	117	101022	48.168	ug/L	100
33) Benzene	5.82	78	371863	50.421	ug/L	100
34) Trichloroethene	6.58	95	89579	49.117	ug/L	99
35) Methylcyclohexane	6.80	83	145286	45.235	ug/L	99
37) 1,2-Dichloropropane	6.83	63	103197	51.890	ug/L	99
38) Bromodichloromethane	7.14	83	126714	52.432	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	166112	52.276	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	342215	108.911	ug/L	100
42) Toluene	8.00	91	396268	49.724	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	148555	53.515	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	96015	52.922	ug/L	98
46) Tetrachloroethene	8.58	164	60037	46.911	ug/L	98
48) 2-Hexanone	8.72	43	276239	107.771	ug/L	100
49) Dibromochloromethane	8.84	129	92630	52.200	ug/L	98
50) 1,2-Dibromoethane	8.95	107	101234	53.114	ug/L	100
51) Chlorobenzene	9.47	112	238594	49.721	ug/L	100
52) Ethylbenzene	9.60	91	428410	48.923	ug/L	99
53) m,p-Xylene	9.72	106	159337	49.325	ug/L	100
54) o-xylene	10.13	106	159376	49.803	ug/L	99
55) Styrene	10.14	104	274827	51.530	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	174912	53.502	ug/L	99
59) Bromoform	10.32	173	66330	55.046	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	140459	54.747	ug/L	99
61) Isopropylbenzene	10.51	105	405230	49.896	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	354994	50.983	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	351725	50.587	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	177217	51.888	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	176363	51.290	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	178310	51.564	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	40899	55.783	ug/L	98
69) 1,3,5-Trichlorobenzene	13.23	180	120884	51.042	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	105631	53.488	ug/L	98
71) Naphthalene	14.10	128	404168	58.059	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	105242	53.490	ug/L	99

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

