

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037127.D
 Acq On : 06 Mar 2020 22:20
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Mar 07 01:05:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92103	40.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.20%
7) Chloroethane-d5	1.93	69	86267	45.39	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.78%
11) 1,1-Dichloroethene-d2	2.59	63	168187	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.46%
21) 2-Butanone-d5	4.67	46	143839	93.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.36%
24) Chloroform-d	5.11	84	163908	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
26) 1,2-Dichloroethane-d4	5.74	65	108925	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
32) Benzene-d6	5.76	84	339635	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.26%
36) 1,2-Dichloropropane-d6	6.72	67	113029	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.66%
41) Toluene-d8	7.92	98	312232	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	8.20	79	47106	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.30%
47) 2-Hexanone-d5	8.66	63	99367	81.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	161121	45.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	98157	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	102053	43.991	ug/L 99
3) Chloromethane	1.54	50	107791	40.387	ug/L 98
5) Vinyl chloride	1.62	62	122780	44.600	ug/L 97
6) Bromomethane	1.87	94	41917	29.677	ug/L 100
8) Chloroethane	1.95	64	78085	47.318	ug/L 99
9) Trichlorofluoromethane	2.16	101	138830	47.549	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82114	47.014	ug/L 99
12) 1,1-Dichloroethene	2.61	96	80100	45.343	ug/L 89
13) Acetone	2.66	43	112047	70.705	ug/L 100
14) Carbon disulfide	2.82	76	234021	41.870	ug/L 99
15) Methyl Acetate	2.98	43	120173	49.752	ug/L 100
16) Methylene chloride	3.08	84	103372	47.976	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	85746	45.184	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	296638	48.088	ug/L 100
19) 1,1-Dichloroethane	3.91	63	181350	49.181	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	100769	47.489	ug/L 98
22) 2-Butanone	4.75	43	174916	91.533	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46056	47.927	ug/L	92
25) Chloroform	5.13	83	176594	49.635	ug/L	100
27) 1,2-Dichloroethane	5.83	62	146853	50.699	ug/L	98
29) Cyclohexane	5.43	56	150882	42.722	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	136529	47.847	ug/L	99
31) Carbon tetrachloride	5.56	117	108112	48.339	ug/L	98
33) Benzene	5.81	78	400332	47.615	ug/L	100
34) Trichloroethene	6.57	95	94580	45.769	ug/L	98
35) Methylcyclohexane	6.79	83	153687	42.894	ug/L	99
37) 1,2-Dichloropropane	6.82	63	109380	48.316	ug/L	99
38) Bromodichloromethane	7.13	83	130215	48.730	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	157478	45.159	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	328053	98.344	ug/L	100
42) Toluene	8.00	91	425565	47.509	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	139397	46.081	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	97343	48.354	ug/L	99
46) Tetrachloroethene	8.57	164	59943	44.033	ug/L	99
48) 2-Hexanone	8.71	43	259371	97.437	ug/L	98
49) Dibromochloromethane	8.83	129	92331	48.321	ug/L	99
50) 1,2-Dibromoethane	8.95	107	98867	46.964	ug/L	97
51) Chlorobenzene	9.47	112	247820	46.692	ug/L	99
52) Ethylbenzene	9.59	91	448275	46.164	ug/L	100
53) m,p-Xylene	9.71	106	163938	46.025	ug/L	95
54) o-xylene	10.12	106	162886	45.850	ug/L	96
55) Styrene	10.13	104	265152	45.657	ug/L	96
56) Isopropylbenzene	10.50	105	421743	46.220	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	179852	49.973	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	144346	49.565	ug/L	99
61) Bromoform	10.31	173	60866	47.153	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	170444	46.019	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169245	46.251	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	177704	48.053	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35820	48.823	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	108635	46.210	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	78184	44.389	ug/L	99
69) Naphthalene	14.12	128	119537	38.446	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	81245	46.159	ug/L	98

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

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