

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037098.D
 Acq On : 05 Mar 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Mar 05 23:40:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	251425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	243796	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	105701	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78531	37.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.38%
7) Chloroethane-d5	1.93	69	78906	45.17	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.34%
11) 1,1-Dichloroethene-d2	2.59	63	153267	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
21) 2-Butanone-d5	4.67	46	151825	107.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.20%
24) Chloroform-d	5.10	84	165410	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.74	65	110439	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.22%
32) Benzene-d6	5.76	84	336015	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
36) 1,2-Dichloropropane-d6	6.72	67	113377	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.28%
41) Toluene-d8	7.92	98	307244	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.20	79	47920	45.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.30%
47) 2-Hexanone-d5	8.66	63	111251	99.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.61%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	167139	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	102152	49.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	104175	48.849	ug/L 100
3) Chloromethane	1.54	50	120789	49.231	ug/L 99
5) Vinyl chloride	1.62	62	128360	50.721	ug/L 100
6) Bromomethane	1.87	94	56991	43.892	ug/L 98
8) Chloroethane	1.95	64	79233	52.229	ug/L 99
9) Trichlorofluoromethane	2.16	101	141109	52.573	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	84378	52.552	ug/L 99
12) 1,1-Dichloroethene	2.60	96	81732	50.329	ug/L 86
13) Acetone	2.65	43	108166	74.249	ug/L 100
14) Carbon disulfide	2.82	76	237302	46.185	ug/L 100
15) Methyl Acetate	2.98	43	119295	53.725	ug/L 100
16) Methylene chloride	3.08	84	105477	53.251	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	88119	50.512	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	299391	52.796	ug/L 100
19) 1,1-Dichloroethane	3.91	63	182872	53.948	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	104548	53.596	ug/L 97
22) 2-Butanone	4.75	43	173800	98.935	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	46475	52.610	ug/L	96
25) Chloroform	5.13	83	179508	54.884	ug/L	99
27) 1,2-Dichloroethane	5.83	62	146640	55.071	ug/L	100
29) Cyclohexane	5.42	56	154812	47.852	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	138218	52.879	ug/L	98
31) Carbon tetrachloride	5.56	117	109861	53.623	ug/L	98
33) Benzene	5.81	78	405373	52.633	ug/L	100
34) Trichloroethene	6.57	95	188910	99.794	ug/L	98
35) Methylcyclohexane	6.79	83	157888	48.106	ug/L	100
37) 1,2-Dichloropropane	6.82	63	110483	53.276	ug/L	100
38) Bromodichloromethane	7.13	83	131422	53.689	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	160652	50.291	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	331768	108.572	ug/L	99
42) Toluene	7.99	91	428967	52.278	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	140343	50.645	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	100301	54.390	ug/L	99
46) Tetrachloroethene	8.57	164	62674	50.258	ug/L	98
48) 2-Hexanone	8.71	43	253608	104.003	ug/L	99
49) Dibromochloromethane	8.83	129	93200	53.246	ug/L	98
50) 1,2-Dibromoethane	8.95	107	101541	52.655	ug/L	98
51) Chlorobenzene	9.47	112	256373	52.731	ug/L	99
52) Ethylbenzene	9.59	91	455472	51.204	ug/L	99
53) m,p-Xylene	9.71	106	166671	51.080	ug/L	96
54) o-xylene	10.12	106	167568	51.491	ug/L	99
55) Styrene	10.13	104	275001	51.693	ug/L	96
56) Isopropylbenzene	10.50	105	434037	51.927	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	178080	54.015	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	145360	54.488	ug/L	99
61) Bromoform	10.31	173	63644	53.257	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	175551	51.197	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	176251	52.026	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	182282	53.242	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	37132	54.668	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	115705	53.162	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	85272	52.293	ug/L	99
69) Naphthalene	14.12	128	127154	44.173	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	87525	53.712	ug/L	99

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

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