

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037072.D
 Acq On : 05 Mar 2020 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Mar 05 23:32:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 14:57:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	255251	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	248825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106394	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93691	43.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.42%
7) Chloroethane-d5	1.91	69	88936	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.28%
11) 1,1-Dichloroethene-d2	2.59	63	169554	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
21) 2-Butanone-d5	4.67	46	148914	103.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.57%
24) Chloroform-d	5.10	84	174540	53.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.64%
26) 1,2-Dichloroethane-d4	5.74	65	114766	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
32) Benzene-d6	5.76	84	360493	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.72	67	117660	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.92	98	331353	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	8.20	79	52049	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.66	63	107211	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	179166	54.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	107116	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	112876	52.135	ug/L	100
3) Chloromethane	1.53	50	127910	51.352	ug/L	100
5) Vinyl chloride	1.62	62	130470	50.782	ug/L	97
6) Bromomethane	1.85	94	59088	44.825	ug/L	100
8) Chloroethane	1.93	64	79218	51.437	ug/L	99
9) Trichlorofluoromethane	2.15	101	143364	52.613	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	88844	54.505	ug/L	100
12) 1,1-Dichloroethene	2.60	96	82892	50.278	ug/L	86
13) Acetone	2.65	43	179689	121.497	ug/L	99
14) Carbon disulfide	2.82	76	243691	46.717	ug/L	99
15) Methyl Acetate	2.98	43	118163	52.418	ug/L	99
16) Methylene chloride	3.07	84	105674	52.551	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	89383	50.468	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	301207	52.320	ug/L	100
19) 1,1-Dichloroethane	3.91	63	184198	53.525	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	103915	52.473	ug/L	99
22) 2-Butanone	4.75	43	204344	114.579	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	48859	54.480	uq/L	97
25) Chloroform	5.13	83	179404	54.030	uq/L	98
27) 1,2-Dichloroethane	5.83	62	149590	55.337	uq/L	99
29) Cyclohexane	5.42	56	157624	47.737	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	140192	52.550	uq/L	98
31) Carbon tetrachloride	5.56	117	110509	52.849	uq/L	98
33) Benzene	5.81	78	415691	52.882	uq/L	100
34) Trichloroethene	6.57	95	98477	50.970	uq/L	99
35) Methylcyclohexane	6.79	83	166843	49.807	uq/L	100
37) 1,2-Dichloropropane	6.82	63	110821	52.359	uq/L	100
38) Bromodichloromethane	7.14	83	130756	52.337	uq/L	98
39) cis-1,3-Dichloropropene	7.64	75	166854	51.177	uq/L	99
40) 4-Methyl-2-pentanone	7.82	43	331235	106.207	uq/L	100
42) Toluene	8.00	91	439369	52.464	uq/L	99
44) trans-1,3-Dichloropropene	8.24	75	146013	51.626	uq/L	98
45) 1,1,2-Trichloroethane	8.43	97	101918	54.150	uq/L	99
46) Tetrachloroethene	8.58	164	66720	52.421	uq/L	98
48) 2-Hexanone	8.71	43	276724	111.189	uq/L	99
49) Dibromochloromethane	8.83	129	95120	53.244	uq/L	98
50) 1,2-Dibromoethane	8.95	107	104216	52.950	uq/L	99
51) Chlorobenzene	9.47	112	267132	53.833	uq/L	99
52) Ethylbenzene	9.59	91	472813	52.079	uq/L	99
53) m,p-Xylene	9.72	106	175569	52.720	uq/L	99
54) o-xylene	10.12	106	173485	52.232	uq/L	98
55) Styrene	10.13	104	292602	53.890	uq/L	97
56) Isopropylbenzene	10.50	105	449764	52.721	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	187933	55.851	uq/L	98
59) 1,2,3-Trichloropropane	10.84	75	150525	55.283	uq/L	98
61) Bromoform	10.31	173	65008	54.044	uq/L	100
62) 1,3-Dichlorobenzene	11.76	146	186896	54.151	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	187358	54.945	uq/L	100
65) 1,2-Dichlorobenzene	12.23	146	192336	55.812	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	36001	52.658	uq/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	119785	54.678	uq/L	99
68) 1,2,4-trichlorobenzene	13.88	180	83652	50.966	uq/L	99
69) Naphthalene	14.12	128	121743	42.018	uq/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	82415	50.247	uq/L	100

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

