

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037941.D
 Acq On : 30 Apr 2020 03:11
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Apr 30 04:14:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 04:10:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	662519	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	651581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	318297	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	214880	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.24%
7) Chloroethane-d5	1.93	69	202459	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.26%
11) 1,1-Dichloroethene-d2	2.59	63	414213	44.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.42%
21) 2-Butanone-d5	4.66	46	453609	98.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.90%
24) Chloroform-d	5.10	84	428497	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.74	65	290164	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.76	84	866032	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.72	67	298912	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.00%
41) Toluene-d8	7.92	98	781993	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	8.20	79	135144	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.20%
47) 2-Hexanone-d5	8.65	63	283545	84.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	449740	52.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	299944	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	243380	44.527	ug/L	100
3) Chloromethane	1.53	50	293599	49.284	ug/L	100
5) Vinyl chloride	1.62	62	311921	47.455	ug/L	99
6) Bromomethane	1.86	94	130178	47.864	ug/L	99
8) Chloroethane	1.94	64	189448	51.299	ug/L	99
9) Trichlorofluoromethane	2.15	101	338570	48.447	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	208747	51.257	ug/L	99
12) 1,1-Dichloroethene	2.60	96	209477	52.080	ug/L	97
13) Acetone	2.65	43	281535	102.880	ug/L	97
14) Carbon disulfide	2.82	76	641809	44.617	ug/L	100
15) Methyl Acetate	2.98	43	312793	47.291	ug/L	97
16) Methylene chloride	3.08	84	252902	52.914	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	227353	50.553	ug/L	95
18) Methyl tert-butyl Ether	3.40	73	793683	51.233	ug/L	99
19) 1,1-Dichloroethane	3.91	63	465399	51.337	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	258486	52.494	ug/L	95
22) 2-Butanone	4.74	43	463520	96.732	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	123625	51.956	ug/L	97
25) Chloroform	5.12	83	450117	53.064	ug/L	98
27) 1,2-Dichloroethane	5.83	62	374997	51.617	ug/L	100
29) Cyclohexane	5.42	56	415815	45.616	ug/L	95
30) 1,1,1-Trichloroethane	5.35	97	367052	50.442	ug/L	99
31) Carbon tetrachloride	5.56	117	290136	49.322	ug/L	99
33) Benzene	5.81	78	1013991	51.272	ug/L	100
34) Trichloroethene	6.57	95	246514	50.817	ug/L	98
35) Methylcyclohexane	6.79	83	400563	47.156	ug/L	97
37) 1,2-Dichloropropane	6.82	63	277970	51.462	ug/L	99
38) Bromodichloromethane	7.13	83	336207	51.518	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	406210	46.970	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	883969	94.102	ug/L	96
42) Toluene	7.99	91	1078382	52.008	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	392402	47.007	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	253907	53.885	ug/L	99
46) Tetrachloroethene	8.57	164	193562	54.590	ug/L	98
48) 2-Hexanone	8.71	43	716278	96.439	ug/L	95
49) Dibromochloromethane	8.83	129	244221	49.635	ug/L	99
50) 1,2-Dibromoethane	8.94	107	265238	51.964	ug/L	100
51) Chlorobenzene	9.47	112	668483	51.831	ug/L	99
52) Ethylbenzene	9.59	91	1209120	52.072	ug/L	99
53) m,p-Xylene	9.71	106	460390	52.661	ug/L	98
54) o-xylene	10.12	106	452656	52.940	ug/L	98
55) Styrene	10.13	104	782105	53.189	ug/L	98
56) Isopropylbenzene	10.50	105	1177069	52.017	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	435632	51.983	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	374317	51.587	ug/L	100
61) Bromoform	10.31	173	166057	46.357	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	507194	50.893	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	512564	50.957	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	510713	52.737	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	103080	47.761	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	349651	48.278	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	334462	47.483	ug/L	99
69) Naphthalene	14.11	128	1311879	51.938	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	338822	48.713	ug/L	98

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

