

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037981.D
 Acq On : 01 May 2020 03:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: May 01 06:16:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 06:13:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	710662	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	704129	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	333868	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	251546	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.48%
7) Chloroethane-d5	1.92	69	214235	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.59	63	433639	42.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.82%
21) 2-Butanone-d5	4.66	46	434837	89.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	5.10	84	432643	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.74	65	294620	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
32) Benzene-d6	5.76	84	893574	43.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.10%
36) 1,2-Dichloropropane-d6	6.72	67	299424	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.02%
41) Toluene-d8	7.92	98	805574	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%
43) trans-1,3-Dichloropropene-	8.20	79	135304	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.86%
47) 2-Hexanone-d5	8.65	63	256931	85.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.85%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	432576	43.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.24%
64) 1,2-Dichlorobenzene-d4	12.20	152	295927	42.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	238988	43.223	ug/L 100
3) Chloromethane	1.53	50	313569	44.749	ug/L 100
5) Vinyl chloride	1.62	62	328702	46.165	ug/L 99
6) Bromomethane	1.86	94	144180	42.514	ug/L 100
8) Chloroethane	1.94	64	198245	46.296	ug/L 99
9) Trichlorofluoromethane	2.15	101	336581	45.482	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	193951	42.644	ug/L 98
12) 1,1-Dichloroethene	2.60	96	213717	45.917	ug/L 93
13) Acetone	2.65	43	290189	92.217	ug/L 99
14) Carbon disulfide	2.82	76	686310	44.514	ug/L 99
15) Methyl Acetate	2.98	43	323989	47.287	ug/L 99
16) Methylene chloride	3.08	84	262132	47.779	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	231265	46.021	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	799903	47.840	ug/L 100
19) 1,1-Dichloroethane	3.91	63	474533	47.404	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	265460	47.775	ug/L 99
22) 2-Butanone	4.74	43	473762	93.020	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	125623	48.064	ug/L	99
25) Chloroform	5.12	83	457452	47.605	ug/L	99
27) 1,2-Dichloroethane	5.83	62	376547	47.389	ug/L	99
29) Cyclohexane	5.42	56	387483	42.115	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	360547	46.065	ug/L	98
31) Carbon tetrachloride	5.56	117	284178	45.994	ug/L	99
33) Benzene	5.81	78	1030278	46.805	ug/L	100
34) Trichloroethene	6.57	95	244963	45.894	ug/L	99
35) Methylcyclohexane	6.79	83	358444	39.978	ug/L	99
37) 1,2-Dichloropropane	6.82	63	274126	46.580	ug/L	99
38) Bromodichloromethane	7.13	83	336845	47.141	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	423167	46.908	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	894687	93.829	ug/L	99
42) Toluene	7.99	91	1079776	46.690	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	393938	46.773	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	255596	47.953	ug/L	98
46) Tetrachloroethene	8.57	164	163037	41.836	ug/L	99
48) 2-Hexanone	8.70	43	742193	94.450	ug/L	98
49) Dibromochloromethane	8.83	129	245435	47.746	ug/L	99
50) 1,2-Dibromoethane	8.94	107	266684	46.577	ug/L	97
51) Chlorobenzene	9.47	112	668546	46.429	ug/L	98
52) Ethylbenzene	9.59	91	1189097	46.384	ug/L	99
53) m,p-Xylene	9.71	106	456528	46.902	ug/L	100
54) o-xylene	10.11	106	455434	47.523	ug/L	100
55) Styrene	10.13	104	774169	47.559	ug/L	99
56) Isopropylbenzene	10.50	105	1136775	46.068	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	442863	46.541	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	381497	46.752	ug/L	99
61) Bromoform	10.31	173	162728	45.583	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	499707	46.748	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	500207	46.311	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	499923	46.360	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	102009	45.321	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	334601	45.916	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	325852	46.650	ug/L	99
69) Naphthalene	14.11	128	1304006	48.660	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	332388	48.351	ug/L	99

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

