

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037679.D
 Acq On : 10 Apr 2020 17:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Apr 10 23:32:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	631230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	596786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	293102	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	217593	39.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.86%
7) Chloroethane-d5	1.93	69	187861	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.59	63	388080	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
21) 2-Butanone-d5	4.66	46	401490	89.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.80%
24) Chloroform-d	5.10	84	386251	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.74	65	254512	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
32) Benzene-d6	5.76	84	792212	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.24%
36) 1,2-Dichloropropane-d6	6.72	67	268275	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.80%
41) Toluene-d8	7.92	98	708579	43.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.06%
43) trans-1,3-Dichloropropene-	8.20	79	140685	44.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.06%
47) 2-Hexanone-d5	8.65	63	309415	92.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.47%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	387260	46.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.82%
64) 1,2-Dichlorobenzene-d4	12.20	152	272951	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	234785	47.482 ug/L	99
3) Chloromethane	1.54	50	288539	49.894 ug/L	99
5) Vinyl chloride	1.62	62	288515	47.674 ug/L	100
6) Bromomethane	1.87	94	157813	49.547 ug/L	99
8) Chloroethane	1.95	64	177933	49.526 ug/L	98
9) Trichlorofluoromethane	2.16	101	315436	48.265 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	190387	47.847 ug/L	98
12) 1,1-Dichloroethene	2.60	96	197121	48.850 ug/L	97
13) Acetone	2.65	43	236673	89.632 ug/L	99
14) Carbon disulfide	2.82	76	647348	46.830 ug/L	99
15) Methyl Acetate	2.98	43	302465	48.169 ug/L	100
16) Methylene chloride	3.08	84	231226	50.157 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	212758	49.147 ug/L	100
18) Methyl tert-butyl Ether	3.40	73	755588	50.562 ug/L	99
19) 1,1-Dichloroethane	3.91	63	419753	49.459 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	241262	50.686 ug/L	94
22) 2-Butanone	4.75	43	429668	92.968 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	115201	49.660	ug/L	99
25) Chloroform	5.13	83	400581	50.163	ug/L	100
27) 1,2-Dichloroethane	5.83	62	328656	49.759	ug/L	100
29) Cyclohexane	5.42	56	403012	49.107	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	338185	49.995	ug/L	99
31) Carbon tetrachloride	5.56	117	269154	49.015	ug/L	100
33) Benzene	5.81	78	926335	51.005	ug/L	100
34) Trichloroethene	6.57	95	222399	49.745	ug/L	98
35) Methylcyclohexane	6.79	83	381319	48.069	ug/L	99
37) 1,2-Dichloropropane	6.82	63	251760	50.449	ug/L	100
38) Bromodichloromethane	7.13	83	306415	49.878	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	412682	50.524	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	849812	95.885	ug/L	100
42) Toluene	7.99	91	966179	50.080	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	394751	49.858	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	225488	50.641	ug/L	98
46) Tetrachloroethene	8.57	164	161996	48.700	ug/L	95
48) 2-Hexanone	8.71	43	657330	93.928	ug/L	100
49) Dibromochloromethane	8.83	129	236770	49.588	ug/L	99
50) 1,2-Dibromoethane	8.94	107	245691	50.998	ug/L	97
51) Chlorobenzene	9.47	112	596427	49.503	ug/L	99
52) Ethylbenzene	9.59	91	1076896	49.786	ug/L	99
53) m,p-Xylene	9.71	106	411432	50.094	ug/L	100
54) o-xylene	10.12	106	398476	48.919	ug/L	99
55) Styrene	10.13	104	705860	49.978	ug/L	100
56) Isopropylbenzene	10.50	105	1043795	49.213	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	395775	49.778	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	332886	49.103	ug/L	100
61) Bromoform	10.31	173	179711	48.380	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	464178	49.200	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	469529	49.603	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	460257	49.502	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	103278	47.951	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	338059	49.006	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	329701	49.553	ug/L	99
69) Naphthalene	14.11	128	1195641	48.703	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	322539	48.654	ug/L	98

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

