

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036623.D
 Acq On : 30 Jan 2020 16:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jan 30 17:24:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	305154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144359	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88381	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.34%
7) Chloroethane-d5	1.93	69	80842	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.44%
11) 1,1-Dichloroethene-d2	2.59	63	162534	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
21) 2-Butanone-d5	4.67	46	142266	104.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.87%
24) Chloroform-d	5.11	84	166929	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.75	65	103552	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
32) Benzene-d6	5.77	84	358706	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.73	67	115271	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.98%
41) Toluene-d8	7.93	98	342007	44.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.21	79	55056	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.66	63	126152	108.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	172120	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	12.21	152	137024	44.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	109305	47.025	ug/L 100
3) Chloromethane	1.54	50	115344	46.614	ug/L 99
5) Vinyl chloride	1.62	62	126200	47.830	ug/L 99
6) Bromomethane	1.87	94	74648	48.223	ug/L 99
8) Chloroethane	1.95	64	75782	47.657	ug/L 99
9) Trichlorofluoromethane	2.16	101	149333	48.128	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	93578	48.521	ug/L 99
12) 1,1-Dichloroethene	2.61	96	92950	49.007	ug/L 96
13) Acetone	2.66	43	94936	72.292	ug/L 97
14) Carbon disulfide	2.82	76	269471	47.024	ug/L 99
15) Methyl Acetate	2.98	43	108169	52.680	ug/L 98
16) Methylene chloride	3.08	84	106583	46.331	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	98290	48.241	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	314040	48.128	ug/L 99
19) 1,1-Dichloroethane	3.92	63	177188	48.777	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	112678	48.652	ug/L 99
22) 2-Butanone	4.75	43	155283	98.412	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56446	46.913	ug/L	97
25) Chloroform	5.13	83	179275	48.122	ug/L	97
27) 1,2-Dichloroethane	5.84	62	132420	47.499	ug/L	99
29) Cyclohexane	5.43	56	163206	49.883	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	147361	49.092	ug/L	99
31) Carbon tetrachloride	5.57	117	126951	49.229	ug/L	99
33) Benzene	5.82	78	417729	48.866	ug/L	100
34) Trichloroethene	6.58	95	106470	48.389	ug/L	98
35) Methylcyclohexane	6.80	83	180419	49.163	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109353	50.332	ug/L	100
38) Bromodichloromethane	7.14	83	131362	48.121	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	176333	50.374	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	292297	104.797	ug/L	99
42) Toluene	8.00	91	458688	49.366	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	152403	49.615	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	105142	48.246	ug/L	99
46) Tetrachloroethene	8.58	164	86862	48.595	ug/L	98
48) 2-Hexanone	8.72	43	223455	106.508	ug/L	96
49) Dibromochloromethane	8.84	129	113291	49.109	ug/L	99
50) 1,2-Dibromoethane	8.95	107	113143	48.164	ug/L	100
51) Chlorobenzene	9.47	112	293942	48.478	ug/L	99
52) Ethylbenzene	9.60	91	501502	49.271	ug/L	99
53) m,p-Xylene	9.72	106	197977	49.869	ug/L	99
54) o-xylene	10.12	106	192730	48.670	ug/L	99
55) Styrene	10.14	104	325120	50.592	ug/L	97
56) Isopropylbenzene	10.51	105	499722	49.634	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	183364	48.804	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	142735	48.599	ug/L	99
61) Bromoform	10.32	173	86210	44.904	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	230578	47.072	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	228229	47.326	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	232221	46.774	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	39763	50.162	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	168467	50.077	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	136466	56.923	ug/L	98
69) Naphthalene	14.10	128	437616	63.080	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	135909	55.009	ug/L	100

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

