

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037596.D
 Acq On : 06 Apr 2020 18:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Apr 07 00:51:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	167070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	153541	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	72892	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48626	35.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.68%
7) Chloroethane-d5	1.93	69	41339	37.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.84%
11) 1,1-Dichloroethene-d2	2.59	63	93052	40.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.60%
21) 2-Butanone-d5	4.66	46	100549	98.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.60%
24) Chloroform-d	5.11	84	100818	44.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	65237	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.96%
32) Benzene-d6	5.76	84	195311	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.72	67	68404	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.36%
41) Toluene-d8	7.92	98	180485	43.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.06%
43) trans-1,3-Dichloropropene-	8.20	79	34818	42.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.64%
47) 2-Hexanone-d5	8.66	63	76336	96.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.21%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103684	48.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.86%
64) 1,2-Dichlorobenzene-d4	12.20	152	66883	44.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	51260	47.459	ug/L 99
3) Chloromethane	1.54	50	52354	45.696	ug/L 97
5) Vinyl chloride	1.62	62	55488	48.773	ug/L 100
6) Bromomethane	1.87	94	29047	51.768	ug/L 97
8) Chloroethane	1.95	64	33161	49.422	ug/L 98
9) Trichlorofluoromethane	2.16	101	81198	50.306	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	47610	51.714	ug/L 99
12) 1,1-Dichloroethene	2.60	96	44393	49.674	ug/L 98
13) Acetone	2.66	43	57887	98.198	ug/L 100
14) Carbon disulfide	2.82	76	118415	45.871	ug/L 100
15) Methyl Acetate	2.98	43	71333	53.400	ug/L 97
16) Methylene chloride	3.08	84	53900	49.723	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	46538	48.359	ug/L 95
18) Methyl tert-butyl Ether	3.40	73	176345	52.276	ug/L 98
19) 1,1-Dichloroethane	3.91	63	96234	51.040	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	56775	51.231	ug/L 98
22) 2-Butanone	4.75	43	101312	105.297	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	28001	52.642	ug/L	91
25) Chloroform	5.13	83	99796	50.766	ug/L	97
27) 1,2-Dichloroethane	5.83	62	76231	50.246	ug/L	98
29) Cyclohexane	5.43	56	80733	50.172	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	85444	52.498	ug/L	100
31) Carbon tetrachloride	5.56	117	70372	52.534	ug/L	99
33) Benzene	5.81	78	213852	53.156	ug/L	100
34) Trichloroethene	6.57	95	54238	51.559	ug/L	96
35) Methylcyclohexane	6.79	83	81872	50.371	ug/L	99
37) 1,2-Dichloropropane	6.82	63	60085	52.417	ug/L	99
38) Bromodichloromethane	7.13	83	79452	53.292	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	93522	52.236	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	207606	111.610	ug/L	99
42) Toluene	7.99	91	228566	52.501	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	92938	52.712	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	57113	54.572	ug/L	98
46) Tetrachloroethene	8.57	164	36955	52.320	ug/L	91
48) 2-Hexanone	8.71	43	160235	110.772	ug/L	100
49) Dibromochloromethane	8.83	129	62861	53.851	ug/L	99
50) 1,2-Dibromoethane	8.95	107	61298	53.257	ug/L	95
51) Chlorobenzene	9.47	112	142010	52.589	ug/L	97
52) Ethylbenzene	9.59	91	259878	52.785	ug/L	100
53) m,p-Xylene	9.71	106	95358	51.926	ug/L	100
54) o-xylene	10.12	106	95028	53.688	ug/L	95
55) Styrene	10.13	104	166589	53.154	ug/L	100
56) Isopropylbenzene	10.50	105	256694	53.489	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	100700	53.374	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	80475	54.611	ug/L	100
61) Bromoform	10.31	173	47264	56.721	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	111286	52.874	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	113450	53.407	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	113178	54.308	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	27606	55.225	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	78121	53.475	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	75385	54.129	ug/L	97
69) Naphthalene	14.11	128	299478	50.757	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	75882	53.935	ug/L	99

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

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