

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037882.D
 Acq On : 24 Apr 2020 19:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Apr 25 01:17:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 25 01:13:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	610844	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	583539	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	269476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	225639	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.56%
7) Chloroethane-d5	1.93	69	186392	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.12%
11) 1,1-Dichloroethene-d2	2.59	63	389933	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	4.66	46	416101	98.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.39%
24) Chloroform-d	5.10	84	386796	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.16%
26) 1,2-Dichloroethane-d4	5.74	65	259268	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.76	84	782805	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.72	67	269631	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.70%
41) Toluene-d8	7.92	98	702438	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	8.20	79	135184	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.65	63	300737	100.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.09%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	383387	49.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.84%
64) 1,2-Dichlorobenzene-d4	12.20	152	271586	51.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	242879	48.194	ug/L 100
3) Chloromethane	1.54	50	288242	52.478	ug/L 100
5) Vinyl chloride	1.62	62	303009	49.999	ug/L 99
6) Bromomethane	1.87	94	119949	47.833	ug/L 98
8) Chloroethane	1.95	64	173346	50.909	ug/L 100
9) Trichlorofluoromethane	2.16	101	315609	48.982	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	181046	48.216	ug/L 99
12) 1,1-Dichloroethene	2.60	96	189818	51.185	ug/L 98
13) Acetone	2.65	43	242830	96.242	ug/L 100
14) Carbon disulfide	2.82	76	629508	47.464	ug/L 100
15) Methyl Acetate	2.98	43	303454	49.760	ug/L 99
16) Methylene chloride	3.08	84	222421	50.474	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	203600	49.101	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	718479	50.302	ug/L 100
19) 1,1-Dichloroethane	3.91	63	418974	50.125	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	241165	53.119	ug/L 97
22) 2-Butanone	4.74	43	436678	98.839	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	112415	51.242	ug/L	97
25) Chloroform	5.13	83	389329	49.780	ug/L	99
27) 1,2-Dichloroethane	5.83	62	336635	50.256	ug/L	100
29) Cyclohexane	5.42	56	401093	49.131	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	339747	52.134	ug/L	100
31) Carbon tetrachloride	5.56	117	270781	51.399	ug/L	100
33) Benzene	5.81	78	903011	50.985	ug/L	100
34) Trichloroethene	6.57	95	407841	93.876	ug/L	97
35) Methylcyclohexane	6.79	83	375454	49.354	ug/L	99
37) 1,2-Dichloropropane	6.82	63	250843	51.854	ug/L	100
38) Bromodichloromethane	7.13	83	304076	52.027	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	399327	51.558	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	862176	102.485	ug/L	99
42) Toluene	7.99	91	953006	51.320	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	380392	50.881	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	219103	51.920	ug/L	98
46) Tetrachloroethene	8.57	164	161566	50.880	ug/L	99
48) 2-Hexanone	8.71	43	664498	99.899	ug/L	99
49) Dibromochloromethane	8.83	129	228990	51.966	ug/L	99
50) 1,2-Dibromoethane	8.94	107	234824	51.370	ug/L	99
51) Chlorobenzene	9.47	112	586940	50.815	ug/L	99
52) Ethylbenzene	9.59	91	1062372	51.087	ug/L	99
53) m,p-Xylene	9.71	106	398944	50.953	ug/L	100
54) o-xylene	10.12	106	394032	51.458	ug/L	99
55) Styrene	10.13	104	672227	51.047	ug/L	100
56) Isopropylbenzene	10.50	105	1035616	51.102	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	393002	52.364	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	334298	51.444	ug/L	99
61) Bromoform	10.31	173	173979	57.367	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	375404	44.493	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	450284	52.876	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	451486	55.067	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	97399	53.305	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	328336	53.548	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	315137	52.845	ug/L	98
69) Naphthalene	14.11	128	1141504	53.380	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	320651	54.452	ug/L	99

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

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