

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037910.D
 Acq On : 29 Apr 2020 13:51
 Operator : JC/MD
 Sample : L2395-12 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D97

Quant Time: Apr 30 01:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	3672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	4833	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	6473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	2913	90.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	181.58%#
7) Chloroethane-d5	1.93	69	374	15.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	30.08%#
11) 1,1-Dichloroethene-d2	2.60	63	11737	226.01	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	452.02%#
21) 2-Butanone-d5	4.67	46	1332	52.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	52.40%
24) Chloroform-d	5.10	84	350	7.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	14.32%#
26) 1,2-Dichloroethane-d4	5.73	65	2056	60.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.52%
32) Benzene-d6	5.76	84	1604	11.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	23.48%#
36) 1,2-Dichloropropane-d6	6.72	67	251	5.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	10.98%#
41) Toluene-d8	7.92	98	4112	32.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.46%#
43) trans-1,3-Dichloropropene-	8.20	79	443	18.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	37.66%#
47) 2-Hexanone-d5	8.65	63	1098	44.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	44.12%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1833	28.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	57.64%#
64) 1,2-Dichlorobenzene-d4	12.20	152	4078	32.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	64.76%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	112	3.697	ug/L # 42
3) Chloromethane	1.53	50	1473	44.612	ug/L 94
5) Vinyl chloride	1.62	62	330235	9064.831	ug/L 98
6) Bromomethane	1.87	94	940	62.358	ug/L 84
8) Chloroethane	1.95	64	13514	660.230	ug/L 96
9) Trichlorofluoromethane	2.16	101	673	17.375	ug/L # 83
12) 1,1-Dichloroethene	2.61	96	18657	836.894	ug/L # 65
13) Acetone	2.66	43	6580	433.828	ug/L 94
14) Carbon disulfide	2.82	76	630	7.902	ug/L # 42
15) Methyl Acetate	2.97	43	238	6.492	ug/L # 55
16) Methylene chloride	3.08	84	79485	3000.563	ug/L 95
17) trans-1,2-Dichloroethene	3.39	96	2247	90.146	ug/L 94
18) Methyl tert-butyl Ether	3.39	73	137	1.596	ug/L # 1
19) 1,1-Dichloroethane	3.91	63	175184	3486.529	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	652297	23900.736	ug/L 95
22) 2-Butanone	4.75	43	3965	149.293	ug/L # 70
25) Chloroform	5.12	83	547	11.635	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.83	62	1938	48.130	ug/L #	75
29) Cyclohexane	5.43	56	177	2.618	ug/L #	29
30) 1,1,1-Trichloroethane	5.35	97	184875	3425.260	ug/L	98
31) Carbon tetrachloride	5.36	117	23090	529.193	ug/L	98
33) Benzene	5.81	78	2950	20.110	ug/L	100
34) Trichloroethene	6.57	95	41928	1165.256	ug/L	97
35) Methylcyclohexane	6.78	83	271	4.301	ug/L #	82
37) 1,2-Dichloropropane	6.82	63	298	7.438	ug/L #	41
39) cis-1,3-Dichloropropene	7.64	75	110	1.715	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	1330	19.088	ug/L #	89
42) Toluene	7.99	91	22520	146.425	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	85	1.373	ug/L #	1
45) 1,1,2-Trichloroethane	8.42	97	946	27.067	ug/L #	62
46) Tetrachloroethene	8.57	164	1002	38.099	ug/L	88
48) 2-Hexanone	8.71	43	4349	78.942	ug/L	93
49) Dibromochloromethane	8.57	129	966	26.469	ug/L #	10
50) 1,2-Dibromoethane	8.95	107	1318	34.813	ug/L #	95
52) Ethylbenzene	9.59	91	57064	331.320	ug/L	99
53) m,p-Xylene	9.71	106	65287	1006.788	ug/L	100
54) o-xylene	10.12	106	21939	345.929	ug/L	95
55) Styrene	10.11	104	1342	12.304	ug/L #	1
56) Isopropylbenzene	10.50	105	13599	81.021	ug/L	98
59) 1,2,3-Trichloropropane	10.80	75	151	2.806	ug/L #	1
62) 1,3-Dichlorobenzene	11.75	146	2862	14.122	ug/L	88
63) 1,4-Dichlorobenzene	11.85	146	816	3.989	ug/L #	67
65) 1,2-Dichlorobenzene	12.22	146	254	1.290	ug/L #	88
67) 1,3,5-Trichlorobenzene	13.86	180	5808	39.434	ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	5808	40.545	ug/L	94
69) Naphthalene	14.11	128	79417	154.608	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	502	3.549	ug/L #	77

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

