

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080919\
 Data File : VU033689.D
 Acq On : 09 Aug 2019 17:26
 Operator : JC/SP
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Quant Time: Aug 10 03:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 03:47:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	412398	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	393950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	207498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	15231	3.53	ug/L	0.00
7) Chloroethane-d5	1.67	69	11517	3.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	25426	3.63	ug/L	0.00
21) 2-Butanone-d5	4.17	46	15402	4.98	ug/L	0.00
24) Chloroform-d	4.62	84	21603	3.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	14548	3.22	ug/L	0.00
32) Benzene-d6	5.32	84	45386	3.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	14253	3.33	ug/L	0.00
41) Toluene-d8	7.55	98	43273	3.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6751	3.22	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	11922	5.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	21439	3.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	18102	3.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15217	4.211 ug/L	99
3) Chloromethane	1.32	50	15740	4.008 ug/L	96
5) Vinyl chloride	1.39	62	17643	4.155 ug/L	97
6) Bromomethane	1.62	94	11861	4.101 ug/L	92
8) Chloroethane	1.69	64	10959	4.016 ug/L	96
9) Trichlorofluoromethane	1.87	101	23831	4.221 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	12442	4.268 ug/L	99
12) 1,1-Dichloroethene	2.27	96	12414	4.434 ug/L	97
13) Acetone	2.31	43	22288	10.107 ug/L	99
14) Carbon disulfide	2.46	76	34525	4.161 ug/L	100
15) Methyl Acetate	2.60	43	16078	4.472 ug/L	97
16) Methylene chloride	2.68	84	14218	4.273 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	13332	4.555 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	42229	4.566 ug/L	99
19) 1,1-Dichloroethane	3.42	63	25183	4.437 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	14398	4.358 ug/L	99
22) 2-Butanone	4.25	43	20049	7.208 ug/L	96
23) Bromochloromethane	4.53	128	7419	4.242 ug/L	97
25) Chloroform	4.65	83	26605	4.488 ug/L	96
27) 1,2-Dichloroethane	5.39	62	19668	4.268 ug/L	98
29) Cyclohexane	4.97	56	20804	4.728 ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	21704	4.561 ug/L	99
31) Carbon tetrachloride	5.11	117	19450	4.634 ug/L	96
33) Benzene	5.37	78	56321	4.706 ug/L	100
34) Trichloroethene	6.17	95	14783	4.790 ug/L	97
35) Methylcyclohexane	6.40	83	21226	4.513 ug/L	94
37) 1,2-Dichloropropane	6.41	63	14656	4.520 ug/L	99
38) Bromodichloromethane	6.74	83	18505	4.414 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	21854	4.547 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	40607	8.629 ug/L	97

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

42) Toluene	7.62	91	58353	4.537	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	19005	4.185	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	14473	4.669	ug/L	97
46) Tetrachloroethene	8.21	164	11899	4.725	ug/L	96
48) 2-Hexanone	8.35	43	30484	7.909	ug/L	98
49) Dibromochloromethane	8.46	129	15437	4.374	ug/L	99
50) 1,2-Dibromoethane	8.57	107	15852	4.707	ug/L	93
51) Chlorobenzene	9.10	112	39809	4.707	ug/L	98
52) Ethylbenzene	9.23	91	62672	4.523	ug/L	98
53) m,p-Xylene	9.36	106	23729	4.524	ug/L	100
54) o-xylene	9.76	106	22856	4.390	ug/L	95
55) Styrene	9.78	104	36290	4.105	ug/L	99
56) Isopropylbenzene	10.15	105	60490	4.500	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	25464	4.474	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	20119	4.562	ug/L	99
61) Bromoform	9.94	173	11830	4.387	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	32416	4.777	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	32814	4.675	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	31204	4.552	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	5877	4.592	ug/L	89
67) 1,3,5-Trichlorobenzene	12.87	180	24658	4.757	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	21334	4.884	ug/L	97
69) Naphthalene	13.73	128	59114	4.621	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	23371	5.162	ug/L	95

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

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