

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010846.D
 Acq On : 13 May 2019 18:46
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 7:07:52 AM

Quant Time: May 13 20:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 13 20:37:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	125808	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	129751	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60011	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7085	3.62	ug/L	0.00
7) Chloroethane-d5	1.56	69	4843	3.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	14601	3.44	ug/L	0.00
20) 2-Butanone-d5	3.94	46	5130m	8.75	ug/L	0.00
24) Chloroform-d	4.40	84	17879	5.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10324	4.82	ug/L	0.00
29) Benzene-d6	5.10	84	34235	5.01	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11054	5.08	ug/L	0.00
37) Toluene-d8	7.36	98	31806	4.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4494	4.53	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	3908	8.58	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	10638	5.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	12294	5.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6492	3.726 ug/L	98
3) Chloromethane	1.25	50	8037	3.792 ug/L	97
5) Vinyl chloride	1.32	62	8477	3.444 ug/L #	74
6) Bromomethane	1.51	94	1823	1.527 ug/L	95
8) Chloroethane	1.58	64	5118	3.339 ug/L	93
9) Trichlorofluoromethane	1.76	101	12099	3.266 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	7286	3.445 ug/L	98
12) 1,1-Dichloroethene	2.13	96	7336	3.704 ug/L	93
13) Acetone	2.19	43	4837	5.327 ug/L	94
14) Carbon disulfide	2.31	76	21227	4.361 ug/L	98
15) Methyl Acetate	2.46	43	5782	5.331 ug/L	98
16) Methylene chloride	2.53	84	10406	5.349 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	21902	4.416 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	8148	4.551 ug/L	95
19) 1,1-Dichloroethane	3.22	63	15387	4.452 ug/L	97
21) 2-Butanone	4.03	43	6357	7.387 ug/L	82
22) cis-1,2-Dichloroethene	3.96	96	8957	4.380 ug/L	93
23) Bromochloromethane	4.29	128	4304	4.682 ug/L	98
25) Chloroform	4.42	83	17183	4.513 ug/L	100
27) 1,2-Dichloroethane	5.18	62	12470	4.481 ug/L	97
30) Cyclohexane	4.72	56	10804	3.320 ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	13295	4.110 ug/L	99
32) Carbon tetrachloride	4.87	117	10898	3.867 ug/L	99
34) Benzene	5.14	78	34415	4.518 ug/L	100
35) Trichloroethene	5.96	95	9113	4.271 ug/L	98
36) Methylcyclohexane	6.17	83	11612	3.396 ug/L	96
40) 1,2-Dichloropropane	6.22	63	10116	4.993 ug/L #	89
41) Bromodichloromethane	6.56	83	11980	4.303 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	13400	4.181 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	13250	7.769 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	36473	4.216	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	10642	3.943	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	7766	4.665	ug/L	95
47) Tetrachloroethene	8.02	164	6386	4.133	ug/L	93
49) 2-Hexanone	8.19	43	10478	8.080	ug/L	92
50) Dibromochloromethane	8.29	129	7995	4.177	ug/L	91
51) 1,2-Dibromoethane	8.40	107	7194	4.475	ug/L	98
52) Chlorobenzene	8.93	112	26242	4.643	ug/L	98
53) Ethylbenzene	9.05	91	39221	3.910	ug/L	94
54) m,p-Xylene	9.18	106	15220	4.061	ug/L	93
55) o-xylene	9.59	106	15452	4.157	ug/L	98
56) Styrene	9.60	104	25628	4.076	ug/L	99
57) Isopropylbenzene	9.97	105	37939	3.825	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	10377	4.758	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	7467	4.387	ug/L	99
62) Bromoform	9.77	173	3789	3.708	ug/L	92
63) 1,3-Dichlorobenzene	11.22	146	18401	4.405	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	20263	4.749	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	19592	4.829	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1587	4.215	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	13770	4.576	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	10376	4.457	ug/L	98
69) Naphthalene	13.55	128	20000	4.013	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	10217	4.678	ug/L	99

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

