

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009292.D
 Acq On : 13 Feb 2019 13:51
 Operator : SY/MD
 Sample : VSTD02563
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Quant Time: Feb 13 14:18:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 13:18:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	220407	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	218856	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74784	19.85	ug/L	0.00
7) Chloroethane-d5	1.57	69	57607	23.99	ug/L	-0.01
10) 1,1-Dichloroethene-d2	2.13	63	154881	20.00	ug/L	0.00
20) 2-Butanone-d5	3.94	46	73082	43.29	ug/L	-0.01
24) Chloroform-d	4.40	84	140630	20.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	84789	21.14	ug/L	0.00
29) Benzene-d6	5.10	84	271649	19.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	83687	19.81	ug/L	0.00
37) Toluene-d8	7.36	98	252330	20.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	38854	20.66	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	47778	46.61	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	89234	21.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	88441	21.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	87120	21.293	ug/L 98
3) Chloromethane	1.25	50	98084	22.244	ug/L 98
5) Vinyl chloride	1.33	62	96137	21.856	ug/L 98
6) Bromomethane	1.51	94	39507	18.816	ug/L 99
8) Chloroethane	1.59	64	58466	24.842	ug/L 98
9) Trichlorofluoromethane	1.76	101	139985	22.956	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77449	22.023	ug/L 98
12) 1,1-Dichloroethene	2.14	96	69132	21.552	ug/L 92
13) Acetone	2.19	43	111352	46.473	ug/L 100
14) Carbon disulfide	2.32	76	269658	21.960	ug/L 99
15) Methyl Acetate	2.46	43	70960	24.427	ug/L 96
16) Methylene chloride	2.54	84	92437	19.951	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	205361	23.716	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	82402	22.579	ug/L 99
19) 1,1-Dichloroethane	3.23	63	156949	22.591	ug/L 98
21) 2-Butanone	4.02	43	114244	47.003	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	85357	22.770	ug/L 98
23) Bromochloromethane	4.30	128	38288	22.767	ug/L 98
25) Chloroform	4.43	83	158517	23.080	ug/L 99
27) 1,2-Dichloroethane	5.18	62	122067	24.764	ug/L 100
30) Cyclohexane	4.73	56	148951	21.487	ug/L 100
31) 1,1,1-Trichloroethane	4.66	97	136267	21.434	ug/L 99
32) Carbon tetrachloride	4.88	117	119515	21.263	ug/L 100
34) Benzene	5.15	78	334335	22.297	ug/L 100
35) Trichloroethene	5.96	95	89282	21.957	ug/L 99
36) Methylcyclohexane	6.18	83	144006	21.190	ug/L 99
40) 1,2-Dichloropropane	6.22	63	86994	22.027	ug/L 100
41) Bromodichloromethane	6.56	83	113529	22.238	ug/L 97
42) cis-1,3-Dichloropropene	7.07	75	131962	22.883	ug/L 100
43) 4-Methyl-2-pentanone	7.27	43	174431	46.175	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	360234	22.897	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	115622	22.499	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	68083	22.651	ug/L	96
47) Tetrachloroethene	8.02	164	67998	22.180	ug/L	98
49) 2-Hexanone	8.18	43	148293	45.779	ug/L	95
50) Dibromochloromethane	8.29	129	78162	22.647	ug/L	95
51) 1,2-Dibromoethane	8.40	107	68683	22.796	ug/L	98
52) Chlorobenzene	8.93	112	226244	22.760	ug/L	98
53) Ethylbenzene	9.06	91	400507	22.977	ug/L	100
54) m,p-Xylene	9.18	106	150782	23.492	ug/L	96
55) o-xylene	9.59	106	140644	23.158	ug/L	99
56) Styrene	9.61	104	242570	23.723	ug/L	98
57) Isopropylbenzene	9.98	105	386343	23.181	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	104416	23.803	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	80467	23.441	ug/L	99
62) Bromoform	9.78	173	48349	23.134	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	175899	23.526	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	175473	23.222	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	167234	23.890	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	20883	23.610	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	129582	23.342	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	101405	23.444	ug/L	98
69) Naphthalene	13.55	128	205235	23.528	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	95381	24.265	ug/L	99

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

