

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009161.D
 Acq On : 04 Jan 2019 14:41
 Operator : SY/MD
 Sample : VSTD00568
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:00:09 AM

Quant Time: Jan 05 04:44:12 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M

Quant Title : VOC Analysis

QLast Update : Sat Jan 05 04:20:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189518	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8372	6.46	ug/L	0.00
7) Chloroethane-d5	1.58	69	7719	6.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	25523	5.89	ug/L	0.00
20) 2-Butanone-d5	3.96	46	9846m	10.96	ug/L	0.00
24) Chloroform-d	4.40	84	23027	5.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12234	5.73	ug/L	0.00
29) Benzene-d6	5.10	84	44917	5.81	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13248	5.97	ug/L	0.00
37) Toluene-d8	7.36	98	42257	5.79	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	6017	5.72	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	5211	9.96	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	13153	5.40	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	17633	6.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16726	5.490 ug/L	100
3) Chloromethane	1.25	50	11600	5.622 ug/L	99
5) Vinyl chloride	1.32	62	12167	5.507 ug/L	96
6) Bromomethane	1.53	94	8482	5.451 ug/L	99
8) Chloroethane	1.60	64	7549	5.545 ug/L	100
9) Trichlorofluoromethane	1.76	101	21252	5.247 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14099	5.227 ug/L	99
12) 1,1-Dichloroethene	2.13	96	12475	5.333 ug/L	87
13) Acetone	2.22	43	13440	10.399 ug/L	91
14) Carbon disulfide	2.31	76	35590	5.324 ug/L	100
15) Methyl Acetate	2.47	43	8117	5.076 ug/L #	84
16) Methylene chloride	2.53	84	15358	5.424 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	28313	4.941 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	13279	5.356 ug/L	96
19) 1,1-Dichloroethane	3.23	63	21270	5.166 ug/L	95
21) 2-Butanone	4.05	43	10928m	9.194 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	13940	5.260 ug/L	98
23) Bromochloromethane	4.30	128	6183	4.959 ug/L	92
25) Chloroform	4.42	83	22484	5.128 ug/L	99
27) 1,2-Dichloroethane	5.18	62	15363	5.217 ug/L	99
30) Cyclohexane	4.72	56	20348	5.287 ug/L	95
31) 1,1,1-Trichloroethane	4.65	97	21385	5.067 ug/L	99
32) Carbon tetrachloride	4.87	117	19784	5.121 ug/L	97
34) Benzene	5.14	78	47465	5.086 ug/L	100
35) Trichloroethene	5.96	95	13787	5.128 ug/L	98
36) Methylcyclohexane	6.17	83	23787	5.295 ug/L	98
40) 1,2-Dichloropropane	6.22	63	11128	4.947 ug/L	98
41) Bromodichloromethane	6.55	83	14938	4.845 ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	16697	4.684 ug/L	100
43) 4-Methyl-2-pentanone	7.29	43	21009	9.798 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	50738	5.042	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	14441	4.627	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	10087	5.073	ug/L	96
47) Tetrachloroethene	8.02	164	12053	5.174	ug/L	98
49) 2-Hexanone	8.20	43	14535	9.211	ug/L	97
50) Dibromochloromethane	8.29	129	11465	4.694	ug/L	94
51) 1,2-Dibromoethane	8.40	107	10143	4.879	ug/L	95
52) Chlorobenzene	8.93	112	35044	5.076	ug/L	99
53) Ethylbenzene	9.05	91	57121	5.020	ug/L	100
54) m,p-Xylene	9.18	106	21948	4.951	ug/L	93
55) o-xylene	9.59	106	19936	4.863	ug/L	98
56) Styrene	9.60	104	33340	4.822	ug/L	98
57) Isopropylbenzene	9.98	105	55977	4.922	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	12420	4.662	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10492	4.928	ug/L	96
62) Bromoform	9.78	173	7198	4.725	ug/L	94
63) 1,3-Dichlorobenzene	11.23	146	28375	5.221	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	29545	5.215	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	26950	5.205	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2420	4.502	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	22196	5.064	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	17596	4.932	ug/L	98
69) Naphthalene	13.55	128	31405	4.321	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	15839	4.837	ug/L	98

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

