

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009290.D
 Acq On : 13 Feb 2019 12:58
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:25:06 AM

Quant Time: Feb 13 14:46:01 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 13 14:20:21 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	95242	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87848	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38335	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5090	3.13	ug/L	0.00
7) Chloroethane-d5	1.58	69	3645	3.51	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	9276	2.77	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2989	4.10	ug/L	0.02
24) Chloroform-d	4.40	84	8026	2.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4676	2.70	ug/L	0.00
29) Benzene-d6	5.10	84	14380	2.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	4966	2.93	ug/L	0.00
37) Toluene-d8	7.36	98	13105	2.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	1817	2.41	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	1944	4.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	4250	2.54	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	5028	3.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4326	2.447 ug/L	99
3) Chloromethane	1.25	50	5110	2.682 ug/L	90
5) Vinyl chloride	1.33	62	3934	2.070 ug/L #	41
6) Bromomethane	1.53	94	2028	2.235 ug/L	96
8) Chloroethane	1.60	64	3119	3.067 ug/L #	75
9) Trichlorofluoromethane	1.77	101	5965	2.264 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3200	2.106 ug/L	96
12) 1,1-Dichloroethene	2.14	96	3097	2.234 ug/L #	75
13) Acetone	2.20	43	5693	5.498 ug/L	98
14) Carbon disulfide	2.32	76	11395	2.147 ug/L	99
15) Methyl Acetate	2.47	43	3551	2.829 ug/L #	88
16) Methylene chloride	2.54	84	7745	3.869 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	7701	2.058 ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	3407	2.160 ug/L	94
19) 1,1-Dichloroethane	3.23	63	6381	2.126 ug/L	99
21) 2-Butanone	4.05	43	4584m	4.365 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3557m	2.196 ug/L	
23) Bromochloromethane	4.30	128	1663m	2.288 ug/L	
25) Chloroform	4.43	83	6203m	2.090 ug/L	
27) 1,2-Dichloroethane	5.18	62	4842	2.273 ug/L	99
30) Cyclohexane	4.72	56	5692	2.046 ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	5226	2.048 ug/L	99
32) Carbon tetrachloride	4.88	117	4601	2.039 ug/L	99
34) Benzene	5.15	78	12810	2.128 ug/L	100
35) Trichloroethene	5.96	95	3412	2.090 ug/L	94
36) Methylcyclohexane	6.17	83	5108	1.873 ug/L	97
40) 1,2-Dichloropropane	6.22	63	3650m	2.302 ug/L	
41) Bromodichloromethane	6.55	83	4264	2.081 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	4458m	1.926 ug/L	
43) 4-Methyl-2-pentanone	7.28	43	6778	4.470 ug/L	99

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

44) Toluene	7.43	91	12412	1.965	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	3454	1.674	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	2751	2.280	ug/L	90
47) Tetrachloroethene	8.02	164	2911	2.366	ug/L	92
49) 2-Hexanone	8.19	43	5611	4.315	ug/L #	95
50) Dibromochloromethane	8.29	129	3080	2.223	ug/L	84
51) 1,2-Dibromoethane	8.40	107	2590	2.142	ug/L #	94
52) Chlorobenzene	8.93	112	8248	2.067	ug/L	88
53) Ethylbenzene	9.06	91	13265	1.896	ug/L	98
54) m,p-Xylene	9.18	106	4454	1.729	ug/L	90
55) o-xylene	9.59	106	4111	1.686	ug/L	93
56) Styrene	9.61	104	6829	1.664	ug/L	96
57) Isopropylbenzene	9.98	105	12326	1.842	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.29	83	3743	2.126	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	3089	2.242	ug/L	98
62) Bromoform	9.77	173	1619m	2.132	ug/L	
63) 1,3-Dichlorobenzene	11.23	146	6146	2.262	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	6564	2.390	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	6115	2.404	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.48	75	795m	2.473	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	4758	2.359	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3957	2.517	ug/L	90
69) Naphthalene	13.56	128	10289	3.246	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	3872	2.711	ug/L	95

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

