

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093019\
 Data File : VV013011.D
 Acq On : 30 Sep 2019 11:03
 Operator : SY/MD
 Sample : VSTD2.562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:10:13 PM

Quant Time: Sep 30 14:09:17 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 30 13:59:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	736873	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	714196	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	373126	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31190	2.96	ug/L	0.00
7) Chloroethane-d5	1.58	69	26236	2.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	52821	2.91	ug/L	0.00
21) 2-Butanone-d5	3.97	46	17881	5.92	ug/L	0.03
24) Chloroform-d	4.40	84	55478	2.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	31507	2.79	ug/L	0.00
32) Benzene-d6	5.10	84	109891	2.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	34794	2.82	ug/L	0.00
41) Toluene-d8	7.36	98	95581	2.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	13520	2.61	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	11849	4.55	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	31561	2.73	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	40379	2.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16740	2.120 ug/L	97
3) Chloromethane	1.25	50	25517	2.539 ug/L	97
5) Vinyl chloride	1.32	62	26031	2.514 ug/L	96
6) Bromomethane	1.53	94	18074	2.717 ug/L	99
8) Chloroethane	1.60	64	18026	2.754 ug/L	98
9) Trichlorofluoromethane	1.77	101	38282	2.729 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	24132	2.684 ug/L	98
12) 1,1-Dichloroethene	2.14	96	23708	2.807 ug/L	87
13) Acetone	2.21	43	27271	6.952 ug/L	97
14) Carbon disulfide	2.32	76	66628	2.571 ug/L	98
15) Methyl Acetate	2.47	43	14564	2.406 ug/L #	72
16) Methylene chloride	2.53	84	39857	3.303 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	26618	2.674 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	62278	2.487 ug/L	98
19) 1,1-Dichloroethane	3.23	63	48527	2.656 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	28368	2.562 ug/L	96
22) 2-Butanone	4.05	43	23157m	6.820 ug/L	
23) Bromochloromethane	4.30	128	14384	2.650 ug/L	95
25) Chloroform	4.42	83	52170	2.739 ug/L	99
27) 1,2-Dichloroethane	5.18	62	33846	2.585 ug/L	99
29) Cyclohexane	4.72	56	39630	2.521 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	39486	2.707 ug/L	98
31) Carbon tetrachloride	4.87	117	36511	2.780 ug/L	99
33) Benzene	5.14	78	107461	2.632 ug/L	100
34) Trichloroethene	5.96	95	30014	2.713 ug/L	98
35) Methylcyclohexane	6.17	83	44605	2.569 ug/L	98
37) 1,2-Dichloropropane	6.22	63	27564	2.631 ug/L #	96
38) Bromodichloromethane	6.55	83	35824	2.619 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	36870	2.337 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	42211	5.041 ug/L	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	110641	2.548	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	29995	2.316	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	23612	2.657	ug/L	99
46) Tetrachloroethene	8.02	164	24756	2.705	ug/L	98
48) 2-Hexanone	8.19	43	29109	4.774	ug/L	92
49) Dibromochloromethane	8.29	129	25363	2.503	ug/L	100
50) 1,2-Dibromoethane	8.39	107	22926	2.615	ug/L	97
51) Chlorobenzene	8.92	112	77967	2.647	ug/L	99
52) Ethylbenzene	9.05	91	118949	2.493	ug/L	100
53) m,p-Xylene	9.18	106	43686	2.395	ug/L	97
54) o-Xylene	9.59	106	41240	2.364	ug/L	97
55) Styrene	9.60	104	67458	2.208	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	27850	2.570	ug/L	100
59) Bromoform	9.77	173	16340	2.557	ug/L	97
60) Isopropylbenzene	9.97	105	108743	2.418	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	23380	2.753	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	79515	2.195	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	79421	2.183	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	60675	2.571	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	69317	2.797	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	59808	2.654	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	5021	2.726	ug/L	93
69) 1,3,5-Trichlorobenzene	12.69	180	49106	2.584	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	41113	2.502	ug/L	96
71) Naphthalene	13.55	128	70336	2.197	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	40435	2.551	ug/L	99

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

