

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011061.D
 Acq On : 28 May 2019 12:24
 Operator : SY/MD
 Sample : VSTD10070
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10070

Quant Time: May 28 12:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 28 11:51:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	492291	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	475050	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231543	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	621578	110.76	ug/L	0.00
7) Chloroethane-d5	1.56	69	451619	118.85	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	1178534	109.21	ug/L	0.00
20) 2-Butanone-d5	3.93	46	550865	284.46	ug/L	0.00
24) Chloroform-d	4.40	84	1305411	102.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	799386	106.38	ug/L	0.00
29) Benzene-d6	5.09	84	2683176	103.46	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	896917	108.83	ug/L	0.00
37) Toluene-d8	7.36	98	2540463	105.37	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	439606	129.92	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	407822	265.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	819940	99.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	907193	96.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	791655	108.925	ug/L	100
3) Chloromethane	1.25	50	806861	122.561	ug/L	100
5) Vinyl chloride	1.32	62	728320	110.152	ug/L	99
6) Bromomethane	1.51	94	318456	138.132	ug/L	100
8) Chloroethane	1.58	64	398528	120.454	ug/L	99
9) Trichlorofluoromethane	1.75	101	959136	91.015	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	489832	81.511	ug/L	99
12) 1,1-Dichloroethene	2.13	96	474081	91.257	ug/L	90
13) Acetone	2.19	43	548260	293.578	ug/L	100
14) Carbon disulfide	2.31	76	1605698	110.372	ug/L	100
15) Methyl Acetate	2.46	43	355531	99.084	ug/L	# 100
16) Methylene chloride	2.53	84	696817	82.478	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	1903214	103.538	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	661336	92.280	ug/L	99
19) 1,1-Dichloroethane	3.22	63	1303184	99.867	ug/L	99
21) 2-Butanone	4.02	43	772021	302.087	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	757673	94.952	ug/L	99
23) Bromochloromethane	4.29	128	325429	86.057	ug/L	98
25) Chloroform	4.42	83	1279334	86.641	ug/L	99
27) 1,2-Dichloroethane	5.18	62	946062	104.227	ug/L	100
30) Cyclohexane	4.72	56	1283749	130.050	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	1054996	98.726	ug/L	100
32) Carbon tetrachloride	4.87	117	902264	92.587	ug/L	100
34) Benzene	5.14	78	2815401	102.809	ug/L	100
35) Trichloroethene	5.96	95	732675	96.833	ug/L	98
36) Methylcyclohexane	6.17	83	1245270	111.326	ug/L	97
40) 1,2-Dichloropropane	6.22	63	782667	108.750	ug/L	100
41) Bromodichloromethane	6.55	83	1004378	104.412	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	1242635	115.999	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	1380493	267.585	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	3052492	100.444	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	1103344	122.270	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	580503	94.658	ug/L	98
47) Tetrachloroethene	8.02	164	522976	88.547	ug/L	99
49) 2-Hexanone	8.18	43	1161716	308.410	ug/L	97
50) Dibromochloromethane	8.29	129	704952	97.663	ug/L	100
51) 1,2-Dibromoethane	8.40	107	574915	96.941	ug/L	100
52) Chlorobenzene	8.92	112	1943864	93.320	ug/L	99
53) Ethylbenzene	9.05	91	3474386	104.923	ug/L	100
54) m,p-Xylene	9.18	106	1315322	101.915	ug/L	99
55) o-xylene	9.59	106	1285855	104.429	ug/L	98
56) Styrene	9.60	104	2224625	104.830	ug/L	99
57) Isopropylbenzene	9.97	105	3358251	103.385	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	804289	99.603	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	606432	102.234	ug/L	99
62) Bromoform	9.77	173	416014	101.212	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	1512837	95.794	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	1508762	92.764	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1412539	92.245	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	153520	126.202	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	1127615	97.335	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	973821	106.354	ug/L	99
69) Naphthalene	13.55	128	2210414	120.425	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	902737	100.986	ug/L	99

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

