

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011059.D
 Acq On : 28 May 2019 11:28
 Operator : SY/MD
 Sample : VSTD02568
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02568

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 3:42:46 PM

Quant Time: May 28 11:52:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 28 10:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	486708	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	475717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	228182	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	162138	29.22	ug/L	0.00
7) Chloroethane-d5	1.56	69	113614	30.24	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	306492	28.73	ug/L	0.00
20) 2-Butanone-d5	3.94	46	130960	68.40	ug/L	0.00
24) Chloroform-d	4.40	84	310778	24.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	190773	25.68	ug/L	0.00
29) Benzene-d6	5.09	84	673821	25.95	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	217318	26.33	ug/L	0.00
37) Toluene-d8	7.36	98	630606	26.12	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	102721	30.32	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	95482	62.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	195868	23.77	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	222810	24.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	202080	28.123 ug/L	98
3) Chloromethane	1.25	50	196917	30.255 ug/L	100
5) Vinyl chloride	1.32	62	185484	28.375 ug/L	97
6) Bromomethane	1.51	94	78487	34.435 ug/L	99
8) Chloroethane	1.58	64	97225	29.723 ug/L	96
9) Trichlorofluoromethane	1.76	101	247144	23.721 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	126060	21.218 ug/L	91
12) 1,1-Dichloroethene	2.13	96	119928	23.350 ug/L	84
13) Acetone	2.19	43	142446	77.151 ug/L	95
14) Carbon disulfide	2.31	76	407325	28.320 ug/L	100
15) Methyl Acetate	2.46	43	94870m	26.743 ug/L	
16) Methylene chloride	2.53	84	172369	20.636 ug/L	81
17) Methyl tert-butyl Ether	2.80	73	456066	25.095 ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	164634	23.236 ug/L	86
19) 1,1-Dichloroethane	3.22	63	318928	24.721 ug/L	97
21) 2-Butanone	4.02	43	184518	73.029 ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	184547	23.393 ug/L	90
23) Bromochloromethane	4.29	128	78961	21.120 ug/L #	79
25) Chloroform	4.42	83	316402	21.674 ug/L	99
27) 1,2-Dichloroethane	5.18	62	226768	25.269 ug/L	96
30) Cyclohexane	4.72	56	328800	33.262 ug/L	90
31) 1,1,1-Trichloroethane	4.65	97	260268	24.322 ug/L	96
32) Carbon tetrachloride	4.87	117	220528	22.598 ug/L	99
34) Benzene	5.14	78	691858	25.229 ug/L	100
35) Trichloroethene	5.95	95	176213	23.256 ug/L	97
36) Methylcyclohexane	6.17	83	300406	26.818 ug/L #	85
40) 1,2-Dichloropropane	6.22	63	186627	25.895 ug/L	99
41) Bromodichloromethane	6.55	83	239900	24.904 ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	299699	27.937 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	329665	63.810 ug/L	94

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

44) Toluene	7.43	91	762670	25.061	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	256395	28.373	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	138119	22.490	ug/L	98
47) Tetrachloroethene	8.02	164	131798	22.284	ug/L	95
49) 2-Hexanone	8.18	43	258108	68.426	ug/L	96
50) Dibromochloromethane	8.29	129	163554	22.627	ug/L	100
51) 1,2-Dibromoethane	8.40	107	136214	22.936	ug/L	97
52) Chlorobenzene	8.92	112	477415	22.887	ug/L	91
53) Ethylbenzene	9.05	91	872426	26.309	ug/L	97
54) m,p-Xylene	9.18	106	321824	24.901	ug/L	93
55) o-xylene	9.59	106	319198	25.887	ug/L	95
56) Styrene	9.60	104	542530	25.530	ug/L	90
57) Isopropylbenzene	9.97	105	843778	25.940	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	187222	23.153	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	144692	24.358	ug/L	100
62) Bromoform	9.77	173	92898	22.934	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	365922	23.512	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	364679	22.752	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	341864	22.654	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	35010	29.204	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	268719	23.537	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	218930	24.262	ug/L	99
69) Naphthalene	13.55	128	478062	26.429	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	203236	23.070	ug/L	100

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

