

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010955.D
 Acq On : 20 May 2019 12:42
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Manual Integrations
 APPROVED

MMDadoda
 5/25/2019 1:43:11 AM

Quant Time: May 20 14:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 13:51:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135693	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	135975	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64195	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8346	4.83	ug/L	0.00
7) Chloroethane-d5	1.56	69	5494	4.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	16276	4.98	ug/L	0.00
20) 2-Butanone-d5	3.94	46	5619m	10.33	ug/L	0.00
24) Chloroform-d	4.40	84	16602	4.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10903	4.90	ug/L	0.00
29) Benzene-d6	5.10	84	38442	5.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11826	4.92	ug/L	0.00
37) Toluene-d8	7.36	98	34981	4.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4981	4.76	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	4515	9.92	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	12876	5.78	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	13658	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10681	7.095 ug/L	97
3) Chloromethane	1.25	50	9749	5.407 ug/L	98
5) Vinyl chloride	1.32	62	9658	4.975 ug/L	98
6) Bromomethane	1.51	94	2555	5.671 ug/L	90
8) Chloroethane	1.58	64	5253	5.232 ug/L	92
9) Trichlorofluoromethane	1.76	101	15067	5.422 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8719	5.202 ug/L	99
12) 1,1-Dichloroethene	2.13	96	7804	4.991 ug/L	94
13) Acetone	2.19	43	5905	10.659 ug/L	99
14) Carbon disulfide	2.31	76	21284	4.519 ug/L	100
15) Methyl Acetate	2.46	43	5565	4.823 ug/L	96
16) Methylene chloride	2.53	84	12518	5.716 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	24531	4.805 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	10422	5.595 ug/L	96
19) 1,1-Dichloroethane	3.23	63	18192	5.045 ug/L	94
21) 2-Butanone	4.03	43	6834m	9.557 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	10488	4.811 ug/L	92
23) Bromochloromethane	4.29	128	5414	5.332 ug/L	87
25) Chloroform	4.42	83	22135	5.658 ug/L	98
27) 1,2-Dichloroethane	5.18	62	12475	4.571 ug/L	98
30) Cyclohexane	4.71	56	14033	5.368 ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	15787	5.346 ug/L	99
32) Carbon tetrachloride	4.87	117	14151	5.615 ug/L	96
34) Benzene	5.14	78	39676	5.006 ug/L	100
35) Trichloroethene	5.96	95	11094	5.401 ug/L	97
36) Methylcyclohexane	6.17	83	16039m	5.611 ug/L	
40) 1,2-Dichloropropane	6.22	63	10197	4.724 ug/L	# 97
41) Bromodichloromethane	6.55	83	13334	4.817 ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	13910	4.417 ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	15019	9.852 ug/L	93

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

44) Toluene	7.43	91	42460	4.820	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	12155	4.567	ug/L	91
46) 1,1,2-Trichloroethane	7.88	97	8724	5.018	ug/L	94
47) Tetrachloroethene	8.02	164	8707	5.737	ug/L	96
49) 2-Hexanone	8.18	43	11381	10.109	ug/L	93
50) Dibromochloromethane	8.29	129	9943	5.142	ug/L	99
51) 1,2-Dibromoethane	8.40	107	8880	5.422	ug/L #	93
52) Chlorobenzene	8.92	112	28675	4.779	ug/L	95
53) Ethylbenzene	9.05	91	44809	4.643	ug/L	98
54) m,p-Xylene	9.18	106	16839	4.428	ug/L	91
55) o-xylene	9.59	106	15933	4.265	ug/L	90
56) Styrene	9.60	104	26544	4.144	ug/L	96
57) Isopropylbenzene	9.97	105	42480	4.542	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	12476	5.434	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	9138	5.493	ug/L	99
62) Bromoform	9.77	173	5827	5.815	ug/L #	91
63) 1,3-Dichlorobenzene	11.22	146	21505	4.848	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	22474	4.891	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	20736	4.686	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1603	4.837	ug/L #	76
67) 1,3,5-Trichlorobenzene	12.69	180	15828	4.897	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11419	4.375	ug/L	99
69) Naphthalene	13.55	128	20404	3.732	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	11242	4.525	ug/L	98

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

