

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080319\
 Data File : VV012099.D
 Acq On : 03 Aug 2019 09:37
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Manual Integrations
 APPROVED

SAM
 8/5/2019 12:13:56 PM

Quant Time: Aug 05 07:57:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM080319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 07:43:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	200024	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185312	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	102035	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4019	1.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	2874	1.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	8250	1.59	ug/L	0.00
20) 2-Butanone-d5	3.97	46	4650m	4.72	ug/L	0.03
24) Chloroform-d	4.40	84	11177	2.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6595	2.09	ug/L	0.00
29) Benzene-d6	5.10	84	20741	2.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5569	1.81	ug/L	0.00
37) Toluene-d8	7.36	98	20025	2.13	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	3006	2.05	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2680	3.61	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5985	2.10	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	8526	2.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9142	2.829 ug/L	99
3) Chloromethane	1.25	50	5796	2.007 ug/L	99
5) Vinyl chloride	1.32	62	5096	1.762 ug/L	92
6) Bromomethane	1.53	94	3038	1.894 ug/L	85
8) Chloroethane	1.60	64	2889	1.733 ug/L	98
9) Trichlorofluoromethane	1.77	101	9750	2.251 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4714	2.042 ug/L	99
12) 1,1-Dichloroethene	2.14	96	4048	1.912 ug/L	87
13) Acetone	2.22	43	5704	4.902 ug/L	74
14) Carbon disulfide	2.32	76	17551	2.460 ug/L	98
15) Methyl Acetate	2.47	43	3749	2.242 ug/L #	88
16) Methylene chloride	2.53	84	6846	2.305 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	14994	1.972 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	6126	2.265 ug/L	91
19) 1,1-Dichloroethane	3.23	63	9856	1.945 ug/L	95
21) 2-Butanone	4.06	43	4950m	3.736 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	6548	2.187 ug/L	97
23) Bromochloromethane	4.30	128	3027	2.237 ug/L	89
25) Chloroform	4.43	83	11956	2.180 ug/L	97
27) 1,2-Dichloroethane	5.18	62	7969	2.050 ug/L	98
30) Cyclohexane	4.72	56	8929	1.908 ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	11109	2.589 ug/L	99
32) Carbon tetrachloride	4.87	117	11449	3.071 ug/L	95
34) Benzene	5.14	78	23122	2.176 ug/L	100
35) Trichloroethene	5.96	95	6759	2.371 ug/L	95
36) Methylcyclohexane	6.17	83	10893	2.279 ug/L #	86
40) 1,2-Dichloropropane	6.22	63	5298	1.929 ug/L #	92
41) Bromodichloromethane	6.56	83	8206	2.220 ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	9122	2.048 ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	8501	3.390 ug/L	97

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

44) Toluene	7.43	91	26493	2.262	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	7951	2.086	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	4946	2.228	ug/L	95
47) Tetrachloroethene	8.02	164	6670	3.002	ug/L	90
49) 2-Hexanone	8.19	43	6231	3.379	ug/L	99
50) Dibromochloromethane	8.29	129	6799	2.609	ug/L	96
51) 1,2-Dibromoethane	8.40	107	5049	2.297	ug/L #	97
52) Chlorobenzene	8.92	112	17766	2.342	ug/L	94
53) Ethylbenzene	9.05	91	29435	2.194	ug/L	98
54) m,p-Xylene	9.18	106	11185	2.214	ug/L	97
55) o-xylene	9.59	106	10778	2.182	ug/L	88
56) Styrene	9.60	104	17917	2.158	ug/L	96
57) Isopropylbenzene	9.97	105	29680	2.240	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	6292	2.100	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	4792	2.100	ug/L	96
62) Bromoform	9.77	173	4314	2.568	ug/L	96
63) 1,3-Dichlorobenzene	11.22	146	15388	2.345	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	16403	2.468	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	13902	2.250	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1552	2.476	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	12848	2.561	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	9656	2.359	ug/L	99
69) Naphthalene	13.55	128	15432	1.870	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9063	2.377	ug/L	98

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

