

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080319\
 Data File : VV012100.D
 Acq On : 03 Aug 2019 10:04
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

SAM
 8/5/2019 12:14:00 PM

Quant Time: Aug 05 07:59:38 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	186622	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	173291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	97146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7928	3.33	ug/L	0.00
7) Chloroethane-d5	1.58	69	6563	3.62	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	16955	3.51	ug/L	0.00
20) 2-Butanone-d5	3.96	46	10023m	10.91	ug/L	0.01
24) Chloroform-d	4.40	84	24224	5.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	15101	5.13	ug/L	0.00
29) Benzene-d6	5.10	84	45701	4.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	12464	4.34	ug/L	0.00
37) Toluene-d8	7.36	98	46552	5.29	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	7202	5.24	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	7108	10.24	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14657	5.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	19694	5.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17480	5.798	ug/L 99
3) Chloromethane	1.25	50	10068	3.737	ug/L 99
5) Vinyl chloride	1.32	62	9693	3.593	ug/L 94
6) Bromomethane	1.53	94	6229	4.162	ug/L 93
8) Chloroethane	1.60	64	5705	3.669	ug/L 99
9) Trichlorofluoromethane	1.77	101	18959	4.690	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9065	4.209	ug/L 99
12) 1,1-Dichloroethene	2.14	96	8175	4.138	ug/L 80
13) Acetone	2.22	43	13166	12.128	ug/L 71
14) Carbon disulfide	2.31	76	33508	5.035	ug/L 98
15) Methyl Acetate	2.47	43	6770	4.340	ug/L 92
16) Methylene chloride	2.53	84	13001	4.691	ug/L 93
17) Methyl tert-butyl Ether	2.80	73	32925	4.641	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	12380	4.907	ug/L 95
19) 1,1-Dichloroethane	3.23	63	20235	4.279	ug/L 96
21) 2-Butanone	4.05	43	11502m	9.305	ug/L
22) cis-1,2-Dichloroethene	3.96	96	13504	4.834	ug/L 92
23) Bromochloromethane	4.30	128	6617	5.242	ug/L # 97
25) Chloroform	4.42	83	23315	4.557	ug/L 98
27) 1,2-Dichloroethane	5.18	62	17245	4.754	ug/L 95
30) Cyclohexane	4.72	56	17949	4.102	ug/L 98
31) 1,1,1-Trichloroethane	4.66	97	22271	5.551	ug/L 99
32) Carbon tetrachloride	4.87	117	20972	6.015	ug/L 99
34) Benzene	5.15	78	47273	4.758	ug/L 100
35) Trichloroethene	5.96	95	12897	4.838	ug/L 91
36) Methylcyclohexane	6.17	83	22352	5.000	ug/L 99
40) 1,2-Dichloropropane	6.22	63	10794	4.203	ug/L # 90
41) Bromodichloromethane	6.55	83	16778	4.854	ug/L 95
42) cis-1,3-Dichloropropene	7.07	75	19691	4.729	ug/L 97
43) 4-Methyl-2-pentanone	7.28	43	20138	8.587	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	51574	4.709	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	16873	4.733	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	9807	4.725	ug/L	97
47) Tetrachloroethene	8.02	164	13161	6.334	ug/L	91
49) 2-Hexanone	8.19	43	15194	8.812	ug/L	99
50) Dibromochloromethane	8.29	129	13884	5.697	ug/L	97
51) 1,2-Dibromoethane	8.40	107	11349	5.520	ug/L	98
52) Chlorobenzene	8.92	112	35791	5.045	ug/L	99
53) Ethylbenzene	9.05	91	60541	4.825	ug/L	99
54) m,p-Xylene	9.18	106	23969	5.075	ug/L	97
55) o-xylene	9.59	106	21982	4.758	ug/L	99
56) Styrene	9.60	104	37905	4.882	ug/L	99
57) Isopropylbenzene	9.97	105	60350	4.871	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	13677	4.881	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	10883	5.099	ug/L	99
62) Bromoform	9.77	173	9776	6.112	ug/L	96
63) 1,3-Dichlorobenzene	11.22	146	31208	4.995	ug/L	97
64) 1,4-Dichlorobenzene	11.31	146	31585	4.991	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	29283	4.977	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	3199	5.361	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	26897	5.630	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	22017	5.650	ug/L	98
69) Naphthalene	13.55	128	39950	5.085	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	20435	5.630	ug/L	96

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

