

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009291.D
 Acq On : 13 Feb 2019 13:25
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Feb 13 14:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 14:20:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	213945	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	206216	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17552	4.80	ug/L	0.00
7) Chloroethane-d5	1.56	69	13332	5.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	35850	4.77	ug/L	0.00
20) 2-Butanone-d5	3.94	46	13733	8.38	ug/L	0.00
24) Chloroform-d	4.40	84	30474	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	18234	4.68	ug/L	0.00
29) Benzene-d6	5.10	84	57406	4.48	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	18741	4.71	ug/L	0.00
37) Toluene-d8	7.36	98	52175	4.49	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	8029	4.53	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	9275	9.60	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	18573	4.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	18969	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20336	5.121 ug/L	99
3) Chloromethane	1.25	50	21926	5.123 ug/L	100
5) Vinyl chloride	1.32	62	20629	4.831 ug/L	99
6) Bromomethane	1.51	94	8470	4.156 ug/L	95
8) Chloroethane	1.58	64	12241	5.358 ug/L	91
9) Trichlorofluoromethane	1.76	101	28398	4.798 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15911	4.661 ug/L	100
12) 1,1-Dichloroethene	2.14	96	14521	4.664 ug/L	# 84
13) Acetone	2.19	43	20346	8.748 ug/L	98
14) Carbon disulfide	2.32	76	54076	4.537 ug/L	100
15) Methyl Acetate	2.46	43	15126	5.364 ug/L	95
16) Methylene chloride	2.54	84	25346	5.636 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	40182	4.781 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	16251	4.587 ug/L	93
19) 1,1-Dichloroethane	3.23	63	30890	4.581 ug/L	97
21) 2-Butanone	4.02	43	18462	7.825 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	16475	4.528 ug/L	90
23) Bromochloromethane	4.30	128	7512	4.602 ug/L	94
25) Chloroform	4.43	83	31048	4.657 ug/L	96
27) 1,2-Dichloroethane	5.18	62	22232	4.647 ug/L	98
30) Cyclohexane	4.73	56	28376	4.344 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	26943	4.498 ug/L	99
32) Carbon tetrachloride	4.88	117	23691	4.473 ug/L	97
34) Benzene	5.15	78	64197	4.544 ug/L	100
35) Trichloroethene	5.96	95	16994	4.436 ug/L	97
36) Methylcyclohexane	6.18	83	27820	4.345 ug/L	99
40) 1,2-Dichloropropane	6.22	63	17046	4.581 ug/L	99
41) Bromodichloromethane	6.56	83	21265	4.421 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	24075	4.431 ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	33259	9.344 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	66491	4.485	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	19968	4.124	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	13733	4.849	ug/L	97
47) Tetrachloroethene	8.02	164	13497	4.672	ug/L	94
49) 2-Hexanone	8.19	43	23723	7.772	ug/L	90
50) Dibromochloromethane	8.29	129	14540	4.471	ug/L	89
51) 1,2-Dibromoethane	8.40	107	13391	4.717	ug/L	94
52) Chlorobenzene	8.93	112	44166	4.715	ug/L	96
53) Ethylbenzene	9.06	91	73286	4.462	ug/L	95
54) m,p-Xylene	9.18	106	26941	4.455	ug/L	99
55) o-xylene	9.59	106	24551	4.290	ug/L	97
56) Styrene	9.60	104	40793	4.234	ug/L	98
57) Isopropylbenzene	9.98	105	68762	4.379	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	20375	4.929	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	16245	5.023	ug/L	100
62) Bromoform	9.78	173	9015	4.736	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	32547	4.779	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	33171	4.819	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	31708	4.973	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3990	4.952	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	23586	4.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16340	4.147	ug/L	92
69) Naphthalene	13.56	128	29232	3.679	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	16838	4.703	ug/L	95

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

