

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\
 Data File : VV009633.D
 Acq On : 13 Mar 2019 11:26
 Operator : SY/MD
 Sample : VSTD02580
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02580

Quant Time: Mar 13 11:58:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 13 10:39:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	160397	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159912	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74916	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48526	25.13	ug/L	0.00
7) Chloroethane-d5	1.57	69	49105	17.59	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	134795	26.83	ug/L	0.00
20) 2-Butanone-d5	3.93	46	27462	41.74	ug/L	0.00
24) Chloroform-d	4.40	84	101212	26.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	58922	27.11	ug/L	0.00
29) Benzene-d6	5.10	84	204743	25.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	61375	26.26	ug/L	0.00
37) Toluene-d8	7.36	98	204399	26.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	28035	24.75	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	20837	38.20	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57254	22.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	70089	25.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	61913	33.524	ug/L 97
3) Chloromethane	1.25	50	55548	28.221	ug/L 99
5) Vinyl chloride	1.32	62	58917	27.151	ug/L 100
6) Bromomethane	1.51	94	52747	19.526	ug/L 98
8) Chloroethane	1.59	64	42100	17.459	ug/L 97
9) Trichlorofluoromethane	1.76	101	126656	28.454	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70205	28.167	ug/L 97
12) 1,1-Dichloroethene	2.14	96	61269	28.731	ug/L 92
13) Acetone	2.19	43	38830	58.046	ug/L 97
14) Carbon disulfide	2.31	76	152943	28.296	ug/L 99
15) Methyl Acetate	2.46	43	24390	22.515	ug/L 95
16) Methylene chloride	2.53	84	54920	26.090	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	131654	27.569	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	53675	28.021	ug/L 98
19) 1,1-Dichloroethane	3.23	63	95849	28.399	ug/L 98
21) 2-Butanone	4.01	43	43199	51.167	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	61466	28.424	ug/L 98
23) Bromochloromethane	4.30	128	28393	28.475	ug/L 95
25) Chloroform	4.42	83	112080	29.756	ug/L 98
27) 1,2-Dichloroethane	5.18	62	74248	28.383	ug/L 98
30) Cyclohexane	4.72	56	90523	26.673	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	95856	26.814	ug/L 98
32) Carbon tetrachloride	4.87	117	80571	26.659	ug/L 100
34) Benzene	5.14	78	226583	27.422	ug/L 100
35) Trichloroethene	5.96	95	63103	26.574	ug/L 98
36) Methylcyclohexane	6.18	83	102457	26.486	ug/L 98
40) 1,2-Dichloropropane	6.22	63	55959	26.265	ug/L 99
41) Bromodichloromethane	6.55	83	79075	27.498	ug/L 96
42) cis-1,3-Dichloropropene	7.07	75	86465	26.141	ug/L 99
43) 4-Methyl-2-pentanone	7.27	43	74576	44.404	ug/L 98

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

44) Toluene	7.43	91	259181	27.749	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	75201	26.033	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	46284	26.149	ug/L	99
47) Tetrachloroethene	8.02	164	49965	27.741	ug/L	95
49) 2-Hexanone	8.18	43	58066	45.722	ug/L	97
50) Dibromochloromethane	8.29	129	55006	25.669	ug/L	97
51) 1,2-Dibromoethane	8.40	107	47256	25.840	ug/L	96
52) Chlorobenzene	8.93	112	167409	27.041	ug/L	99
53) Ethylbenzene	9.05	91	293919	27.500	ug/L	95
54) m,p-Xylene	9.18	106	112230	27.744	ug/L	97
55) o-xylene	9.59	106	108814	27.896	ug/L	95
56) Styrene	9.60	104	181706	28.315	ug/L	99
57) Isopropylbenzene	9.98	105	288509	26.815	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	60956	24.389	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	43239	23.999	ug/L	99
62) Bromoform	9.77	173	29709	24.438	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	125885	26.901	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	125670	26.280	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	119052	27.280	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	8448	19.327	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	86917	25.894	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	62706	23.333	ug/L	99
69) Naphthalene	13.55	128	102933	18.184	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	57983	23.453	ug/L	97

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

