

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010847.D
 Acq On : 13 May 2019 19:14
 Operator : SY/MD
 Sample : VSTD02564
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: May 13 20:36:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 13 14:46:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	130382	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	132534	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62072	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45442	22.43	ug/L	0.00
7) Chloroethane-d5	1.56	69	28035	16.82	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	82223	18.71	ug/L	0.00
20) 2-Butanone-d5	3.94	46	26831	44.14	ug/L	0.00
24) Chloroform-d	4.40	84	95952	26.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	54081	24.36	ug/L	0.00
29) Benzene-d6	5.09	84	195055	27.96	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	60433	27.19	ug/L	0.00
37) Toluene-d8	7.36	98	187479	28.06	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	26518	26.17	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	22485	48.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55067	26.36	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	67466	28.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	37386	20.704	ug/L 97
3) Chloromethane	1.25	50	40260	18.328	ug/L 97
5) Vinyl chloride	1.32	62	48993	19.208	ug/L 92
6) Bromomethane	1.51	94	11651	9.419	ug/L 99
8) Chloroethane	1.58	64	24155	15.206	ug/L 98
9) Trichlorofluoromethane	1.76	101	70445	18.347	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	41679	19.014	ug/L 96
12) 1,1-Dichloroethene	2.13	96	39625	19.305	ug/L 98
13) Acetone	2.19	43	25333	26.922	ug/L 95
14) Carbon disulfide	2.31	76	119378	23.667	ug/L 98
15) Methyl Acetate	2.46	43	26585	23.650	ug/L 96
16) Methylene chloride	2.53	84	51229	25.412	ug/L 93
17) Methyl tert-butyl Ether	2.81	73	130089	25.310	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	47832	25.780	ug/L 93
19) 1,1-Dichloroethane	3.22	63	92611	25.855	ug/L 99
21) 2-Butanone	4.02	43	35677	40.005	ug/L 90
22) cis-1,2-Dichloroethene	3.96	96	56361	26.591	ug/L 96
23) Bromochloromethane	4.29	128	25664	26.937	ug/L 94
25) Chloroform	4.42	83	101827	25.805	ug/L 99
27) 1,2-Dichloroethane	5.18	62	68444	23.730	ug/L 98
30) Cyclohexane	4.72	56	69280	20.842	ug/L 97
31) 1,1,1-Trichloroethane	4.65	97	78047	23.618	ug/L 98
32) Carbon tetrachloride	4.87	117	66392	23.065	ug/L 98
34) Benzene	5.14	78	210164	27.013	ug/L 100
35) Trichloroethene	5.96	95	53399	24.503	ug/L 96
36) Methylcyclohexane	6.17	83	75550	21.630	ug/L 96
40) 1,2-Dichloropropane	6.22	63	54425	26.296	ug/L 99
41) Bromodichloromethane	6.55	83	71695	25.210	ug/L 96
42) cis-1,3-Dichloropropene	7.07	75	84387	25.778	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	80439	46.171	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	234513	26.539	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	70411	25.543	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	45803	26.938	ug/L	94
47) Tetrachloroethene	8.02	164	39844	25.245	ug/L	96
49) 2-Hexanone	8.18	43	57704	43.564	ug/L	97
50) Dibromochloromethane	8.29	129	50708	25.934	ug/L	99
51) 1,2-Dibromoethane	8.39	107	42311	25.765	ug/L	100
52) Chlorobenzene	8.92	112	158173	27.399	ug/L	97
53) Ethylbenzene	9.05	91	257039	25.087	ug/L	100
54) m,p-Xylene	9.18	106	102942	26.892	ug/L	96
55) o-xylene	9.59	106	101627	26.767	ug/L	96
56) Styrene	9.60	104	176503	27.485	ug/L	95
57) Isopropylbenzene	9.97	105	254046	25.078	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	56737	25.470	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	43093	24.787	ug/L	97
62) Bromoform	9.77	173	27493	26.011	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	118601	27.449	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	121195	27.460	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	117132	27.911	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	8464	21.735	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	83649	26.876	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	70566	29.302	ug/L	96
69) Naphthalene	13.55	128	150154	29.129	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67592	29.921	ug/L	98

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

