

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003746.D
 Acq On : 14 Dec 2020 13:09
 Operator : SY/MD
 Sample : VSTD05081
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

Quant Time: Dec 14 13:29:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	352327	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	329010	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	167588	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	234987	48.17	ug/L	0.00
7) Chloroethane-d5	2.77	69	174275	47.17	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	498422	52.83	ug/L	0.00
20) 2-Butanone-d5	6.90	46	203685	109.01	ug/L	0.00
24) Chloroform-d	7.49	84	451633	50.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	248267	48.76	ug/L	0.00
29) Benzene-d6	8.12	84	934240	49.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	285985	50.52	ug/L	0.00
37) Toluene-d8	10.18	98	861214	50.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	143997	53.32	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	164996	111.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	251239	49.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	297090	49.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	292361	68.489	ug/L 100
3) Chloromethane	2.12	50	267858	59.615	ug/L 100
5) Vinyl chloride	2.26	62	273164	58.086	ug/L 98
6) Bromomethane	2.66	94	169947	57.131	ug/L 100
8) Chloroethane	2.80	64	159226	55.918	ug/L 100
9) Trichlorofluoromethane	3.14	101	419096	58.379	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	257423	56.257	ug/L 100
12) 1,1-Dichloroethene	3.88	96	247788	57.765	ug/L 92
13) Acetone	3.95	43	133720	99.666	ug/L 99
14) Carbon disulfide	4.20	76	870841	59.886	ug/L 99
15) Methyl Acetate	4.49	43	179246	52.903	ug/L 99
16) Methylene chloride	4.73	84	271646	43.287	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	693078	56.789	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	266181	55.112	ug/L 98
19) 1,1-Dichloroethane	6.03	63	462807	56.537	ug/L 100
21) 2-Butanone	7.00	43	233797	98.996	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	284587	55.460	ug/L 97
23) Bromochloromethane	7.34	128	136012	53.152	ug/L 97
25) Chloroform	7.52	83	452024	54.962	ug/L 99
27) 1,2-Dichloroethane	8.25	62	306802	55.064	ug/L 100
30) Cyclohexane	7.79	56	466255	62.703	ug/L 99
31) 1,1,1-Trichloroethane	7.71	97	404352	56.077	ug/L 99
32) Carbon tetrachloride	7.91	117	363244	57.115	ug/L 99
34) Benzene	8.17	78	1052161	54.807	ug/L 100
35) Trichloroethene	8.94	95	284818	54.153	ug/L 99
36) Methylcyclohexane	9.18	83	488611	59.805	ug/L 99
40) 1,2-Dichloropropane	9.22	63	271253	55.977	ug/L 100
41) Bromodichloromethane	9.50	83	344892	56.278	ug/L 100
42) cis-1,3-Dichloropropene	9.93	75	444619	58.266	ug/L 98
43) 4-Methyl-2-pentanone	10.08	43	509507	110.830	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	1134434	56.109	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	404550	57.495	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	219667	53.089	ug/L	99
47) Tetrachloroethene	10.72	164	222687	54.552	ug/L	99
49) 2-Hexanone	10.83	43	358481	110.755	ug/L	98
50) Dibromochloromethane	10.98	129	260511	53.871	ug/L	100
51) 1,2-Dibromoethane	11.09	107	218838	54.406	ug/L	98
52) Chlorobenzene	11.51	112	709749	53.596	ug/L	98
53) Ethylbenzene	11.59	91	1243329	56.187	ug/L	100
54) m,p-Xylene	11.70	106	477754	56.195	ug/L	98
55) o-xylene	12.03	106	456166	55.915	ug/L	100
56) Styrene	12.04	104	794393	57.026	ug/L	98
57) Isopropylbenzene	12.33	105	1220424	57.147	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	251523	55.576	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	209236	52.525	ug/L	100
62) Bromoform	12.21	173	176463	54.850	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	545778	53.948	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	545107	53.204	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	503579	54.339	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	46217	53.285	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	379376	53.107	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	322094	53.056	ug/L	99
69) Naphthalene	15.23	128	757040	58.184	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	289498	52.349	ug/L	99

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

