

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122320\
 Data File : VY003842.D
 Acq On : 23 Dec 2020 17:10
 Operator : SY/MD
 Sample : VSTD10083
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

Quant Time: Dec 23 17:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	255108	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	242069	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	109481	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	340478	96.32	ug/L	0.00
7) Chloroethane-d5	2.76	69	190512	73.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	602172	84.08	ug/L	0.00
20) 2-Butanone-d5	6.90	46	245000	169.92	ug/L	0.00
24) Chloroform-d	7.48	84	622714	96.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	358406	95.98	ug/L	0.00
29) Benzene-d6	8.11	84	1332942	95.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	371752	87.14	ug/L	0.00
37) Toluene-d8	10.18	98	1284723	100.23	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	208471	98.67	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	218834	190.43	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	367917	98.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	412636	102.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	378351	85.396	ug/L 98
3) Chloromethane	2.12	50	360950	89.181	ug/L 97
5) Vinyl chloride	2.25	62	389391	94.769	ug/L 98
6) Bromomethane	2.65	94	203117	82.694	ug/L 98
8) Chloroethane	2.80	64	159025	67.592	ug/L 94
9) Trichlorofluoromethane	3.13	101	482471	78.513	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	323063	87.145	ug/L 100
12) 1,1-Dichloroethene	3.87	96	321397	90.641	ug/L 90
13) Acetone	3.95	43	154804	154.260	ug/L 100
14) Carbon disulfide	4.20	76	1047591	85.018	ug/L 99
15) Methyl Acetate	4.48	43	193306	75.251	ug/L # 88
16) Methylene chloride	4.72	84	345798	75.338	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	896587	91.555	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	351450	91.378	ug/L 95
19) 1,1-Dichloroethane	6.03	63	535294	82.725	ug/L 99
21) 2-Butanone	6.99	43	258875	150.113	ug/L 99
22) cis-1,2-Dichloroethene	6.99	96	380324	93.147	ug/L 97
23) Bromochloromethane	7.34	128	188482	97.576	ug/L 92
25) Chloroform	7.51	83	581363	92.302	ug/L 100
27) 1,2-Dichloroethane	8.24	62	403138	90.024	ug/L 99
30) Cyclohexane	7.79	56	521502	81.707	ug/L 96
31) 1,1,1-Trichloroethane	7.71	97	541757	91.395	ug/L 100
32) Carbon tetrachloride	7.90	117	502960	94.784	ug/L 99
34) Benzene	8.17	78	1372584	89.084	ug/L 100
35) Trichloroethene	8.94	95	365963	88.768	ug/L 99
36) Methylcyclohexane	9.18	83	620662	88.924	ug/L 98
40) 1,2-Dichloropropane	9.22	63	322833	82.517	ug/L 99
41) Bromodichloromethane	9.50	83	452639	90.936	ug/L 99
42) cis-1,3-Dichloropropene	9.93	75	517959	82.414	ug/L 99
43) 4-Methyl-2-pentanone	10.07	43	511445	139.150	ug/L 99

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

44) Toluene	10.25	91	1551424	93.929	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	527860	91.913	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	298262	92.228	ug/L	98
47) Tetrachloroethene	10.72	164	321947	95.730	ug/L	99
49) 2-Hexanone	10.83	43	416462	165.412	ug/L	99
50) Dibromochloromethane	10.98	129	376901	98.532	ug/L	98
51) 1,2-Dibromoethane	11.09	107	297838	93.544	ug/L	98
52) Chlorobenzene	11.51	112	1002696	94.142	ug/L	98
53) Ethylbenzene	11.59	91	1679487	93.271	ug/L	100
54) m,p-Xylene	11.70	106	652353	93.212	ug/L	98
55) o-xylene	12.03	106	646077	98.430	ug/L	98
56) Styrene	12.04	104	1118923	99.527	ug/L	95
57) Isopropylbenzene	12.32	105	1693176	96.629	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	338496	92.316	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	274279	88.921	ug/L	100
62) Bromoform	12.20	173	265559	117.033	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	682909	95.433	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	681799	92.998	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	626578	94.072	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	54177	85.444	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	498603	98.587	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	498928	115.231	ug/L	99
69) Naphthalene	15.23	128	1179382	121.794	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	449867	114.740	ug/L	100

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

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