

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003587.D
 Acq On : 23 Nov 2020 11:49
 Operator : SY/MD
 Sample : VSTD10036
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100406

Quant Time: Nov 23 12:01:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 11:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	230165	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	215632	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	108210	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	310528	93.31	ug/L	0.00
7) Chloroethane-d5	2.76	69	263148	98.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	660764	108.37	ug/L	0.00
21) 2-Butanone-d5	6.90	46	287504	244.03	ug/L	0.00
24) Chloroform-d	7.48	84	629342	121.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	347689	102.57	ug/L	0.00
32) Benzene-d6	8.11	84	1306053	110.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	392179	106.06	ug/L	0.00
41) Toluene-d8	10.17	98	1199216	107.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	198254	112.08	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	232698	260.82	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	348380	106.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	365998	90.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	139337	37.535 ug/L	# 85
3) Chloromethane	2.12	50	226572	54.401 ug/L	95
5) Vinyl chloride	2.26	62	312940	66.116 ug/L	99
6) Bromomethane	2.66	94	236960	83.602 ug/L	99
8) Chloroethane	2.80	64	203127	77.199 ug/L	99
9) Trichlorofluoromethane	3.13	101	251673	49.381 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	299238	90.055 ug/L	97
12) 1,1-Dichloroethene	3.87	96	316124	99.429 ug/L	97
13) Acetone	3.97	43	159530	195.490 ug/L	100
14) Carbon disulfide	4.20	76	1003915	90.088 ug/L	98
15) Methyl Acetate	4.49	43	233391	117.323 ug/L	99
16) Methylene chloride	4.72	84	333615	83.642 ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	332331	96.963 ug/L	94
18) Methyl tert-butyl Ether	5.22	73	514470	66.615 ug/L	100
19) 1,1-Dichloroethane	6.02	63	576387	96.296 ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	352769	98.265 ug/L	98
22) 2-Butanone	7.00	43	296731	224.740 ug/L	99
23) Bromochloromethane	7.33	128	166201	95.951 ug/L	97
25) Chloroform	7.51	83	565094	82.976 ug/L	97
27) 1,2-Dichloroethane	8.24	62	380250	91.899 ug/L	98
29) Cyclohexane	7.78	56	539116	95.504 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	444753	82.343 ug/L	99
31) Carbon tetrachloride	7.90	117	434610	88.799 ug/L	100
33) Benzene	8.16	78	1312661	96.540 ug/L	100
34) Trichloroethene	8.94	95	329355	91.211 ug/L	93
35) Methylcyclohexane	9.18	83	562178	93.824 ug/L	99
37) 1,2-Dichloropropane	9.22	63	332508	96.924 ug/L	100
38) Bromodichloromethane	9.49	83	427762	95.071 ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	546548	100.326 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	623418	224.011 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	1402349	95.456	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	500599	100.349	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	273841	100.743	ug/L	98
46) Tetrachloroethene	10.72	164	283078	87.835	ug/L	99
48) 2-Hexanone	10.83	43	473628	235.831	ug/L	98
49) Dibromochloromethane	10.98	129	330217	99.224	ug/L	97
50) 1,2-Dibromoethane	11.08	107	273223	104.700	ug/L	99
51) Chlorobenzene	11.51	112	891504	93.181	ug/L	98
52) Ethylbenzene	11.59	91	1489846	92.465	ug/L	99
53) m,p-Xylene	11.70	106	576649	93.595	ug/L	100
54) o-Xylene	12.02	106	488136	83.671	ug/L	97
55) Styrene	12.04	104	969371	94.541	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	328702	102.160	ug/L	97
59) Bromoform	12.20	173	225577	103.739	ug/L	100
60) Isopropylbenzene	12.33	105	1070879	74.983	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	247680	103.778	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	773245	66.725	ug/L	98
63) 1,2,4-Trimethylbenzene	13.11	105	837132	75.356	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	659649	90.579	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	664962	90.094	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	552187	83.983	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	46221	83.175	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	349417	67.283	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	325467	74.821	ug/L	99
71) Naphthalene	15.23	128	626888	79.878	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	240653	65.275	ug/L	99

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

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