

Data File : VY001264.D
Acq On : 16 Jan 2020 16:42
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025838

Quant Time: Jan 17 03:16:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 03:10:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	299668	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	273270	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	130835	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	104215	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.24%
7) Chloroethane-d5	2.76	69	98353	27.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.72%
11) 1,1-Dichloroethene-d2	3.86	63	190839	26.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.04%
21) 2-Butanone-d5	6.89	46	108173	59.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.32%
24) Chloroform-d	7.49	84	194243	28.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.48%
26) 1,2-Dichloroethane-d4	8.15	65	112543	28.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	8.11	84	422184	28.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.60%
36) 1,2-Dichloropropane-d6	9.13	67	132367	29.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.72%
41) Toluene-d8	10.18	98	384386	28.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.32%
43) trans-1,3-Dichloropropene-	10.44	79	64792	28.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.20%
47) 2-Hexanone-d5	10.78	63	94378	60.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.28%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	144054	29.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.08%
66) 1,2-Dichlorobenzene-d4	13.72	152	133725	28.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	109751	23.432 ug/L	99
3) Chloromethane	2.12	50	122193	23.880 ug/L	99
5) Vinyl chloride	2.26	62	128486	23.867 ug/L	99
6) Bromomethane	2.65	94	78810	25.162 ug/L	98
8) Chloroethane	2.80	64	76394	24.601 ug/L	95
9) Trichlorofluoromethane	3.13	101	155481	24.607 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	95525	24.351 ug/L	99
12) 1,1-Dichloroethene	3.88	96	93268	24.098 ug/L	97
13) Acetone	3.96	43	96440	46.092 ug/L	99
14) Carbon disulfide	4.20	76	319253	24.423 ug/L	98
15) Methyl Acetate	4.48	43	80479	24.889 ug/L	100
16) Methylene chloride	4.72	84	111182	22.208 ug/L	97
17) trans-1,2-Dichloroethene	5.23	96	106661	24.610 ug/L	99
18) Methyl tert-butyl Ether	5.22	73	299143	24.992 ug/L	100
19) 1,1-Dichloroethane	6.03	63	181378	24.511 ug/L	99
20) cis-1,2-Dichloroethene	7.00	96	118184	24.826 ug/L	97
22) 2-Butanone	6.99	43	128024	48.870 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	53835	25.581	ug/L	92
25) Chloroform	7.52	83	178913	24.435	ug/L	98
27) 1,2-Dichloroethane	8.24	62	128803	24.810	ug/L	99
29) Cyclohexane	7.79	56	183444	24.046	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	151000	24.630	ug/L	100
31) Carbon tetrachloride	7.91	117	131928	24.400	ug/L	99
33) Benzene	8.17	78	433213	24.870	ug/L	100
34) Trichloroethene	8.94	95	109173	24.560	ug/L	98
35) Methylcyclohexane	9.19	83	192738	23.526	ug/L	99
37) 1,2-Dichloropropane	9.22	63	109059	24.849	ug/L	100
38) Bromodichloromethane	9.50	83	139194	24.775	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	187211	25.183	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	238240	49.999	ug/L	100
42) Toluene	10.24	91	463565	24.580	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	160643	25.400	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	94854	25.092	ug/L	97
46) Tetrachloroethene	10.72	164	83306	24.363	ug/L	96
48) 2-Hexanone	10.83	43	179529	49.122	ug/L	97
49) Dibromochloromethane	10.99	129	103699	25.380	ug/L	99
50) 1,2-Dibromoethane	11.09	107	95128	24.913	ug/L	100
51) Chlorobenzene	11.52	112	290025	24.270	ug/L	97
52) Ethylbenzene	11.59	91	512667	24.248	ug/L	99
53) m,p-Xylene	11.70	106	198662	24.183	ug/L	99
54) o-Xylene	12.03	106	190402	24.192	ug/L	99
55) Styrene	12.04	104	337276	24.480	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	134005	25.285	ug/L	96
59) Bromoform	12.20	173	69662	25.182	ug/L	99
60) Isopropylbenzene	12.33	105	496298	23.810	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	100509	24.705	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	414255	24.009	ug/L #	62
63) 1,2,4-Trimethylbenzene	13.12	105	410163	24.027	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	220586	23.858	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	221500	23.864	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	204826	23.934	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.36	75	23995	23.370	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	149131	23.475	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	135950	23.487	ug/L	98
71) Naphthalene	15.23	128	371036	23.006	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	124561	23.068	ug/L	99

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

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