

Data File : VY001260.D
Acq On : 16 Jan 2020 12:39
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005785

Manual Integrations
APPROVED

MMDadoda
1/17/2020 4:36:12 PM

Quant Time: Jan 17 02:07:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 01:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	312665	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	285645	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	135410	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	20329	4.40	ug/L	0.00
7) Chloroethane-d5	2.76	69	16620	4.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	33952	4.17	ug/L	0.00
21) 2-Butanone-d5	6.91	46	13456	6.35	ug/L	0.00
24) Chloroform-d	7.49	84	27379	3.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	15967	3.32	ug/L	0.00
32) Benzene-d6	8.12	84	60389	3.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	17956	3.53	ug/L	0.00
41) Toluene-d8	10.18	98	55280	3.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	9042	3.55	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	10927	6.66	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	18239	3.31	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	18789	3.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	25912	5.841 ug/L	98
3) Chloromethane	2.12	50	27041	4.825 ug/L	98
5) Vinyl chloride	2.25	62	28501	5.364 ug/L	95
6) Bromomethane	2.65	94	16451	6.413 ug/L	96
8) Chloroethane	2.79	64	15867	4.924 ug/L	94
9) Trichlorofluoromethane	3.13	101	32460	4.469 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	20439	4.806 ug/L	98
12) 1,1-Dichloroethene	3.88	96	20078	4.910 ug/L	94
13) Acetone	3.96	43	20136	9.499 ug/L	99
14) Carbon disulfide	4.20	76	67809	5.198 ug/L	98
15) Methyl Acetate	4.49	43	16338m	4.668 ug/L	
16) Methylene chloride	4.72	84	28727	5.766 ug/L	98
17) trans-1,2-Dichloroethene	5.24	96	22898	5.054 ug/L	94
18) Methyl tert-butyl Ether	5.24	73	61448	4.774 ug/L	# 90
19) 1,1-Dichloroethane	6.03	63	38094	4.813 ug/L	96
20) cis-1,2-Dichloroethene	7.00	96	25015	4.947 ug/L	99
22) 2-Butanone	7.00	43	25281	8.298 ug/L	99
23) Bromochloromethane	7.35	128	10608	4.665 ug/L	96
25) Chloroform	7.52	83	38345	4.719 ug/L	97
27) 1,2-Dichloroethane	8.25	62	26360	4.562 ug/L	96
29) Cyclohexane	7.79	56	39007	5.020 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	31457	4.673 ug/L	99
31) Carbon tetrachloride	7.91	117	28493	4.609 ug/L	98
33) Benzene	8.17	78	90545	4.886 ug/L	100
34) Trichloroethene	8.94	95	22889	4.709 ug/L	96
35) Methylcyclohexane	9.18	83	42766	5.088 ug/L	98
37) 1,2-Dichloropropane	9.22	63	22445	4.750 ug/L	100
38) Bromodichloromethane	9.50	83	29156	4.888 ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	38257	5.047 ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	47105	9.058 ug/L	99

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42) Toluene	10.24	91	96676	4.886	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	31898	4.784	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	19690	4.935	ug/L	95
46) Tetrachloroethene	10.72	164	17830	4.777	ug/L	92
48) 2-Hexanone	10.83	43	33765	8.237	ug/L	97
49) Dibromochloromethane	10.99	129	20773	4.646	ug/L	91
50) 1,2-Dibromoethane	11.09	107	19358	4.773	ug/L	98
51) Chlorobenzene	11.52	112	61887	4.898	ug/L	97
52) Ethylbenzene	11.59	91	107552	4.772	ug/L	98
53) m,p-Xylene	11.70	106	41686	4.832	ug/L	100
54) o-Xylene	12.03	106	40222	4.820	ug/L	96
55) Styrene	12.04	104	69202	4.858	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	27002	4.937	ug/L	99
59) Bromoform	12.20	173	13195	4.647	ug/L	99
60) Isopropylbenzene	12.33	105	103191	4.823	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	19703	4.649	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	87155	4.988	ug/L #	61
63) 1,2,4-Trimethylbenzene	13.12	105	84835	4.929	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	47248	4.952	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	47974	4.989	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	43428	4.866	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.36	75	4895	4.904	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	33666	5.140	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	30851	5.173	ug/L	99
71) Naphthalene	15.23	128	81511	5.197	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	28198	5.116	ug/L	99

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

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