

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000532.D
 Acq On : 05 Nov 2019 10:28
 Operator : SY/MD
 Sample : VSTD02579
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025791

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:57:56 AM

Quant Time: Nov 06 04:30:24 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 04:18:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	361661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	346646	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	171049	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	148060	26.87	ug/L	0.00
7) Chloroethane-d5	2.76	69	128407	26.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	250085	26.16	ug/L	0.00
21) 2-Butanone-d5	6.91	46	119704	49.48	ug/L	0.00
24) Chloroform-d	7.49	84	245904	26.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	148603	26.12	ug/L	0.00
32) Benzene-d6	8.12	84	510401	25.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	155207	25.40	ug/L	0.00
41) Toluene-d8	10.18	98	473561	25.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	78743	25.54	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	96914	50.68	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	169739	25.67	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	168547	25.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	125283	24.924 ug/L	100
3) Chloromethane	2.11	50	166089	25.164 ug/L	100
5) Vinyl chloride	2.25	62	163603	26.547 ug/L	100
6) Bromomethane	2.66	94	74335	26.347 ug/L	100
8) Chloroethane	2.80	64	103177	27.129 ug/L	100
9) Trichlorofluoromethane	3.13	101	229348	26.374 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	134940	26.726 ug/L	100
12) 1,1-Dichloroethene	3.88	96	125946	26.217 ug/L	100
13) Acetone	3.97	43	86391	37.432 ug/L	100
14) Carbon disulfide	4.20	76	416606	27.346 ug/L	100
15) Methyl Acetate	4.49	43	103659	25.198 ug/L	100
16) Methylene chloride	4.72	84	147170	24.955 ug/L	100
17) trans-1,2-Dichloroethene	5.22	96	142815	26.752 ug/L	100
18) Methyl tert-butyl Ether	5.23	73	400350	26.317 ug/L	100
19) 1,1-Dichloroethane	6.03	63	247452	26.444 ug/L	100
20) cis-1,2-Dichloroethene	7.00	96	159039	26.610 ug/L	100
22) 2-Butanone	7.01	43	157975	44.675 ug/L	100
23) Bromochloromethane	7.35	128	70040	26.068 ug/L	100
25) Chloroform	7.52	83	253490	26.230 ug/L	100
27) 1,2-Dichloroethane	8.25	62	182613	26.453 ug/L	100
29) Cyclohexane	7.79	56	247058	26.092 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	220599	26.382 ug/L	100
31) Carbon tetrachloride	7.91	117	200276	25.973 ug/L	100
33) Benzene	8.17	78	589316	25.885 ug/L	100
34) Trichloroethene	8.95	95	154922	25.785 ug/L	100
35) Methylcyclohexane	9.19	83	273468	26.498 ug/L	100
37) 1,2-Dichloropropane	9.22	63	147538	25.401 ug/L	100
38) Bromodichloromethane	9.50	83	195326	26.431 ug/L	100
39) cis-1,3-Dichloropropene	9.93	75	248969	26.750 ug/L	100
40) 4-Methyl-2-pentanone	10.08	43	321833	50.282 ug/L	100

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

42) Toluene	10.25	91	636364	26.174	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	216595	26.334	ug/L	100
45) 1,1,2-Trichloroethane	10.65	97	128511	26.063	ug/L	100
46) Tetrachloroethene	10.72	164	117396	25.597	ug/L	100
48) 2-Hexanone	10.83	43	246798	49.324	ug/L	100
49) Dibromochloromethane	10.99	129	146603	26.387	ug/L	100
50) 1,2-Dibromoethane	11.09	107	127136	25.495	ug/L	100
51) Chlorobenzene	11.52	112	401412	25.848	ug/L	100
52) Ethylbenzene	11.59	91	721948	26.029	ug/L	100
53) m,p-Xylene	11.70	106	279416	26.290	ug/L	100
54) o-Xylene	12.03	106	271016	26.256	ug/L	100
55) Styrene	12.04	104	459659	26.332	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	173875	26.014	ug/L	100
59) Bromoform	12.20	173	94592	26.081	ug/L	100
60) Isopropylbenzene	12.33	105	699010	25.672	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	138924	25.656	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	589214m	22.361	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	578778	26.034	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	311545	25.525	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	313297	25.511	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	293850	25.706	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.36	75	32093	25.603	ug/L	100
69) 1,3,5-Trichlorobenzene	14.50	180	223103	26.482	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	198178	25.826	ug/L	100
71) Naphthalene	15.23	128	524753	26.177	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	185112	26.040	ug/L	100

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

