

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000530.D
 Acq On : 05 Nov 2019 09:45
 Operator : SY/MD
 Sample : VSTD2.577
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5771

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:57:48 AM

Quant Time: Nov 06 04:25:44 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	363998	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	328904	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	158789	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	13937	2.51	ug/L	0.00
7) Chloroethane-d5	2.76	69	12502	2.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	25122	2.61	ug/L	0.00
21) 2-Butanone-d5	6.91	46	12139	4.99	ug/L	0.00
24) Chloroform-d	7.49	84	24498	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	14804	2.59	ug/L	0.00
32) Benzene-d6	8.12	84	51012	2.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	15159	2.62	ug/L	0.00
41) Toluene-d8	10.18	98	47443	2.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	7992	2.73	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	8327	4.59	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	15454	2.46	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	17264	2.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	14476	2.861 ug/L	93
3) Chloromethane	2.12	50	18389	2.768 ug/L	99
5) Vinyl chloride	2.25	62	15921	2.567 ug/L	87
6) Bromomethane	2.65	94	6526	2.298 ug/L	94
8) Chloroethane	2.80	64	9668	2.526 ug/L #	82
9) Trichlorofluoromethane	3.13	101	23131	2.643 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	13477	2.652 ug/L #	92
12) 1,1-Dichloroethene	3.88	96	12888	2.666 ug/L	94
13) Acetone	3.96	43	16968	7.305 ug/L	99
14) Carbon disulfide	4.19	76	36956	2.410 ug/L	98
15) Methyl Acetate	4.49	43	10287	2.485 ug/L #	64
16) Methylene chloride	4.71	84	17885m	3.013 ug/L	
17) trans-1,2-Dichloroethene	5.22	96	13763	2.562 ug/L	91
18) Methyl tert-butyl Ether	5.24	73	37817	2.470 ug/L #	91
19) 1,1-Dichloroethane	6.03	63	24634	2.616 ug/L	99
20) cis-1,2-Dichloroethene	7.00	96	15657	2.603 ug/L	75
22) 2-Butanone	7.00	43	20956	5.888 ug/L	99
23) Bromochloromethane	7.35	128	7288	2.695 ug/L	88
25) Chloroform	7.52	83	25304	2.602 ug/L	90
27) 1,2-Dichloroethane	8.25	62	17548	2.526 ug/L	96
29) Cyclohexane	7.78	56	22915	2.551 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	20281	2.556 ug/L	96
31) Carbon tetrachloride	7.91	117	19328	2.642 ug/L	99
33) Benzene	8.17	78	57110	2.644 ug/L	100
34) Trichloroethene	8.94	95	14966	2.625 ug/L	96
35) Methylcyclohexane	9.19	83	25698	2.624 ug/L	99
37) 1,2-Dichloropropane	9.22	63	14935	2.710 ug/L	99
38) Bromodichloromethane	9.50	83	17016	2.427 ug/L	92
39) cis-1,3-Dichloropropene	9.94	75	21147	2.395 ug/L	96
40) 4-Methyl-2-pentanone	10.08	43	31300	5.154 ug/L	98

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

42) Toluene	10.25	91	58278	2.526	ug/L	94
44) trans-1,3-Dichloropropene	10.47	75	19377	2.483	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	12122	2.591	ug/L #	92
46) Tetrachloroethene	10.72	164	11776	2.706	ug/L	90
48) 2-Hexanone	10.83	43	24157	5.088	ug/L	98
49) Dibromochloromethane	10.99	129	12411	2.354	ug/L	96
50) 1,2-Dibromoethane	11.09	107	11950	2.526	ug/L #	93
51) Chlorobenzene	11.52	112	38830	2.635	ug/L	97
52) Ethylbenzene	11.59	91	66250	2.517	ug/L	99
53) m,p-Xylene	11.70	106	25521	2.531	ug/L	91
54) o-Xylene	12.03	106	24815	2.534	ug/L	94
55) Styrene	12.05	104	38277	2.311	ug/L	82
57) 1,1,2,2-Tetrachloroethane	12.58	83	15940	2.514	ug/L	86
59) Bromoform	12.20	173	8097	2.405	ug/L	93
60) Isopropylbenzene	12.33	105	63370	2.507	ug/L	96
61) 1,2,3-Trichloropropane	12.63	75	12571	2.501	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	51674m	2.112	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	51005	2.471	ug/L	93
64) 1,3-Dichlorobenzene	13.36	146	29988	2.647	ug/L	89
65) 1,4-Dichlorobenzene	13.44	146	30642	2.688	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	28391	2.675	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.36	75	2795	2.402	ug/L	87
69) 1,3,5-Trichlorobenzene	14.50	180	21225	2.714	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	19754	2.773	ug/L	97
71) Naphthalene	15.23	128	44963	2.416	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	17466	2.647	ug/L	96

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

