

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000644.D
 Acq On : 12 Nov 2019 09:49
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:39 PM

Quant Time: Nov 13 01:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 01:25:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	379730	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	343855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	163640	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	26987	5.03	ug/L	0.00
7) Chloroethane-d5	2.76	69	24827	5.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	52015	5.25	ug/L	0.00
20) 2-Butanone-d5	6.91	46	20336	9.19	ug/L	0.00
24) Chloroform-d	7.49	84	52279	5.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	30091	5.21	ug/L	0.00
29) Benzene-d6	8.12	84	106608	5.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	33081	5.29	ug/L	0.00
37) Toluene-d8	10.18	98	99675	5.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	15084	5.17	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	14894	8.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	30127	4.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	36529	5.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	28850	5.749 ug/L	95
3) Chloromethane	2.12	50	31724	5.043 ug/L	98
5) Vinyl chloride	2.25	62	32182	5.126 ug/L	97
6) Bromomethane	2.65	94	16920	4.936 ug/L	91
8) Chloroethane	2.79	64	20309	5.159 ug/L	90
9) Trichlorofluoromethane	3.12	101	46549	5.235 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	25841	5.124 ug/L	95
12) 1,1-Dichloroethene	3.88	96	26198m	5.322 ug/L	
13) Acetone	3.96	43	16526	10.081 ug/L	96
14) Carbon disulfide	4.20	76	74412	4.899 ug/L	99
15) Methyl Acetate	4.49	43	18608	5.017 ug/L	96
16) Methylene chloride	4.72	84	31869	5.084 ug/L	96
17) Methyl tert-butyl Ether	5.22	73	73175	4.885 ug/L #	89
18) trans-1,2-Dichloroethene	5.23	96	29036	5.281 ug/L	92
19) 1,1-Dichloroethane	6.04	63	49069	5.071 ug/L	94
21) 2-Butanone	7.00	43	29101	10.203 ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	29922	4.920 ug/L	93
23) Bromochloromethane	7.35	128	13571	5.111 ug/L	86
25) Chloroform	7.52	83	54046	5.182 ug/L	98
27) 1,2-Dichloroethane	8.25	62	35193	5.048 ug/L	99
30) Cyclohexane	7.79	56	46654	4.972 ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	43136	5.092 ug/L	99
32) Carbon tetrachloride	7.91	117	37212	5.040 ug/L	96
34) Benzene	8.17	78	115382	5.132 ug/L	100
35) Trichloroethene	8.94	95	30233	5.129 ug/L	96
36) Methylcyclohexane	9.19	83	52565	5.210 ug/L	97
40) 1,2-Dichloropropane	9.22	63	29293	5.142 ug/L #	96
41) Bromodichloromethane	9.50	83	36916	5.036 ug/L	92
42) cis-1,3-Dichloropropene	9.93	75	45188	4.924 ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	50520	9.272 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000644.D
 Acq On : 12 Nov 2019 09:49
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:39 PM

Quant Time: Nov 13 01:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 01:25:53 2019
 Response via : Initial Calibration

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

44) Toluene	10.25	91	122227	5.029	ug/L	91
45) trans-1,3-Dichloropropene	10.47	75	38298	4.857	ug/L	88
46) 1,1,2-Trichloroethane	10.65	97	24486	5.240	ug/L	89
47) Tetrachloroethene	10.72	164	23902	5.430	ug/L	95
49) 2-Hexanone	10.83	43	41584	9.799	ug/L	97
50) Dibromochloromethane	10.99	129	25057	4.746	ug/L	96
51) 1,2-Dibromoethane	11.09	107	22718	4.996	ug/L #	97
52) Chlorobenzene	11.52	112	78597	5.096	ug/L	97
53) Ethylbenzene	11.59	91	134862	4.905	ug/L	95
54) m,p-Xylene	11.70	106	51612	4.960	ug/L	91
55) o-xylene	12.03	106	50272	4.922	ug/L	94
56) Styrene	12.05	104	79604	4.691	ug/L	95
57) Isopropylbenzene	12.33	105	130335	4.905	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	27443	4.707	ug/L	89
59) 1,2,3-Trichloropropane	12.63	75	22726	4.793	ug/L	100
62) Bromoform	12.20	173	15017	4.832	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	57791	4.951	ug/L	93
64) 1,4-Dichlorobenzene	13.44	146	60826	5.213	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	55873	5.169	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	4897	4.768	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	42888	5.270	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	38268	5.262	ug/L	96
69) Naphthalene	15.23	128	88231	4.868	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	35017	5.178	ug/L	99

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

