

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003619.D
 Acq On : 25 Nov 2020 12:49
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Quant Time: Nov 26 04:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLEM112520SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	238476	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	223766	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	111071	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18794	5.49	ug/L	0.00
7) Chloroethane-d5	2.77	69	14395	5.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.87	63	34004	5.15	ug/L	0.00
21) 2-Butanone-d5	6.90	46	11648	9.07	ug/L	0.00
24) Chloroform-d	7.49	84	31603	5.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17306	4.94	ug/L	0.00
32) Benzene-d6	8.12	84	66255	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	19668	5.04	ug/L	0.00
41) Toluene-d8	10.18	98	57646	4.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	9287	4.90	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	8268	8.49	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	18788	4.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	19642	4.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	14620	5.131 ug/L	97
3) Chloromethane	2.12	50	16934	5.210 ug/L	93
5) Vinyl chloride	2.25	62	17310	4.984 ug/L	98
6) Bromomethane	2.66	94	11727	5.093 ug/L	98
8) Chloroethane	2.80	64	11579	5.580 ug/L	98
9) Trichlorofluoromethane	3.13	101	26326	5.015 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	16916	5.142 ug/L	98
12) 1,1-Dichloroethene	3.88	96	15682	5.062 ug/L #	82
13) Acetone	3.97	43	10146	9.693 ug/L	98
14) Carbon disulfide	4.20	76	53077	5.030 ug/L	100
15) Methyl Acetate	4.50	43	11077	4.932 ug/L	98
16) Methylene chloride	4.73	84	29620	6.232 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	17088	5.087 ug/L	97
18) Methyl tert-butyl Ether	5.23	73	40066	4.839 ug/L	99
19) 1,1-Dichloroethane	6.03	63	30258	5.174 ug/L	96
20) cis-1,2-Dichloroethene	7.00	96	18056	5.027 ug/L	97
22) 2-Butanone	7.00	43	15935	10.071 ug/L	96
23) Bromochloromethane	7.34	128	8901	5.061 ug/L	96
25) Chloroform	7.51	83	30005	5.106 ug/L	99
27) 1,2-Dichloroethane	8.24	62	20105	5.151 ug/L	99
29) Cyclohexane	7.79	56	25825	4.789 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	26493	4.995 ug/L	99
31) Carbon tetrachloride	7.90	117	23852	4.961 ug/L	99
33) Benzene	8.17	78	68844	5.008 ug/L	100
34) Trichloroethene	8.94	95	17325	5.067 ug/L	96
35) Methylcyclohexane	9.19	83	27908	4.723 ug/L	96
37) 1,2-Dichloropropane	9.22	63	17757	5.138 ug/L	100
38) Bromodichloromethane	9.50	83	22231	5.044 ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	24914	4.605 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	27709	9.076 ug/L	98

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

42) Toluene	10.24	91	70399	4.845	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	24403	4.916	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	14201	4.939	ug/L	99
46) Tetrachloroethene	10.72	164	14646	4.922	ug/L	94
48) 2-Hexanone	10.83	43	18895	8.676	ug/L	98
49) Dibromochloromethane	10.98	129	16762	4.964	ug/L	93
50) 1,2-Dibromoethane	11.09	107	13451	4.864	ug/L #	98
51) Chlorobenzene	11.51	112	47056	5.099	ug/L	98
52) Ethylbenzene	11.59	91	76064	4.873	ug/L	99
53) m,p-Xylene	11.70	106	28332	4.737	ug/L	96
54) o-Xylene	12.03	106	27214	4.781	ug/L	93
55) Styrene	12.04	104	46296	4.744	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	18987	5.000	ug/L	99
59) Bromoform	12.20	173	11089	5.011	ug/L	99
60) Isopropylbenzene	12.32	105	69665	4.772	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	13106	4.935	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	54044	4.706	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	52412	4.645	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	35599	5.136	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	37482	5.281	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	31478	4.896	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.35	75	3055	5.063	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	24633	5.138	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	19623	4.753	ug/L	100
71) Naphthalene	15.23	128	38189	4.442	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	18661	4.929	ug/L	99

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

