

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003664.D
 Acq On : 07 Dec 2020 10:48
 Operator : SY/MD
 Sample : VSTD2.536
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5361

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:22 PM

Quant Time: Dec 07 12:36:56 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Mon Dec 07 12:29:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	275031	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	256451	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	130679	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9324	2.78	ug/L	0.00
7) Chloroethane-d5	2.77	69	6594	2.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.87	63	17585	2.59	ug/L	0.00
21) 2-Butanone-d5	6.91	46	6931m	4.67	ug/L	0.01
24) Chloroform-d	7.49	84	16374	2.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	9272	2.56	ug/L	0.00
32) Benzene-d6	8.12	84	35837	2.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	10711	2.54	ug/L	0.00
41) Toluene-d8	10.18	98	31923	2.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	4920	2.49	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	4963	4.31	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	9268	2.19	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	11677	2.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7179	2.280 ug/L	98
3) Chloromethane	2.12	50	9131	2.672 ug/L	100
5) Vinyl chloride	2.26	62	8313	2.289 ug/L	93
6) Bromomethane	2.66	94	5455	2.375 ug/L	85
8) Chloroethane	2.81	64	5275	2.306 ug/L	93
9) Trichlorofluoromethane	3.14	101	13621	2.449 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	9012	2.421 ug/L #	76
12) 1,1-Dichloroethene	3.89	96	8211m	2.324 ug/L	
13) Acetone	3.95	43	5214m	4.849 ug/L	
14) Carbon disulfide	4.21	76	26878	2.321 ug/L	97
15) Methyl Acetate	4.49	43	6086	2.315 ug/L #	84
16) Methylene chloride	4.73	84	18959	4.120 ug/L	99
17) trans-1,2-Dichloroethene	5.24	96	9575m	2.468 ug/L	
18) Methyl tert-butyl Ether	5.23	73	21880	2.287 ug/L #	94
19) 1,1-Dichloroethane	6.03	63	15448	2.373 ug/L	97
20) cis-1,2-Dichloroethene	7.00	96	9669	2.353 ug/L	80
22) 2-Butanone	7.00	43	9892	5.414 ug/L	87
23) Bromochloromethane	7.35	128	4864	2.431 ug/L	92
25) Chloroform	7.52	83	15586	2.369 ug/L	97
27) 1,2-Dichloroethane	8.25	62	10561	2.432 ug/L	99
29) Cyclohexane	7.80	56	13651	2.282 ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	13650	2.372 ug/L	98
31) Carbon tetrachloride	7.92	117	12759	2.458 ug/L	95
33) Benzene	8.17	78	37321	2.411 ug/L	100
34) Trichloroethene	8.94	95	9879	2.503 ug/L	95
35) Methylcyclohexane	9.19	83	15418	2.332 ug/L	97
37) 1,2-Dichloropropane	9.22	63	9142	2.331 ug/L	99
38) Bromodichloromethane	9.50	83	11995	2.421 ug/L #	92
39) cis-1,3-Dichloropropene	9.93	75	13817	2.273 ug/L	97
40) 4-Methyl-2-pentanone	10.08	43	16004	4.613 ug/L	100

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 Response via : Initial Calibration

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

42) Toluene	10.25	91	38672	2.369	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	12990	2.309	ug/L	93
45) 1,1,2-Trichloroethane	10.65	97	8060	2.427	ug/L	91
46) Tetrachloroethene	10.72	164	8300	2.499	ug/L	94
48) 2-Hexanone	10.84	43	10495	4.200	ug/L	97
49) Dibromochloromethane	10.99	129	9020	2.348	ug/L	89
50) 1,2-Dibromoethane	11.09	107	7549	2.345	ug/L #	91
51) Chlorobenzene	11.52	112	26194	2.481	ug/L	95
52) Ethylbenzene	11.59	91	40546	2.313	ug/L	98
53) m,p-Xylene	11.71	106	16061	2.339	ug/L	100
54) o-Xylene	12.03	106	14773	2.270	ug/L	98
55) Styrene	12.04	104	24480	2.204	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.59	83	8406	1.973	ug/L	97
59) Bromoform	12.21	173	5994	2.355	ug/L #	95
60) Isopropylbenzene	12.33	105	38207	2.307	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	7470	2.415	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	29007	2.206	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	29045	2.232	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	19538	2.430	ug/L	95
65) 1,4-Dichlorobenzene	13.45	146	20189	2.472	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	18156	2.400	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1559	2.184	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.50	180	13812	2.438	ug/L	96
70) 1,2,4-trichlorobenzene	15.01	180	11455	2.376	ug/L	95
71) Naphthalene	15.24	128	21764	2.072	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	10477	2.372	ug/L	97

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

