

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003665.D
 Acq On : 07 Dec 2020 11:33
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005312

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:24 PM

Quant Time: Dec 07 12:42:08 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	245761	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	234158	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	123559	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	16307	5.44	ug/L	0.00
7) Chloroethane-d5	2.77	69	12683	5.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	31232	5.15	ug/L	0.00
21) 2-Butanone-d5	6.90	46	12376	9.34	ug/L	0.00
24) Chloroform-d	7.49	84	30501	5.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	16535	5.11	ug/L	0.00
32) Benzene-d6	8.12	84	66366	5.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	19732	5.12	ug/L	0.00
41) Toluene-d8	10.18	98	58196	5.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	9204	5.10	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	9145	8.69	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	17035	4.40	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	21897	5.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	13252	4.710 ug/L	100
3) Chloromethane	2.12	50	15541	5.089 ug/L	98
5) Vinyl chloride	2.26	62	15097	4.651 ug/L	96
6) Bromomethane	2.66	94	9402	4.581 ug/L	93
8) Chloroethane	2.80	64	9443	4.619 ug/L	90
9) Trichlorofluoromethane	3.14	101	23142	4.656 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	15322	4.606 ug/L	98
12) 1,1-Dichloroethene	3.88	96	14614	4.629 ug/L	87
13) Acetone	3.97	43	8436	8.780 ug/L	95
14) Carbon disulfide	4.20	76	46020	4.447 ug/L	99
15) Methyl Acetate	4.49	43	10647	4.532 ug/L	95
16) Methylene chloride	4.73	84	23002m	5.594 ug/L	
17) trans-1,2-Dichloroethene	5.23	96	16396	4.729 ug/L	94
18) Methyl tert-butyl Ether	5.24	73	39968	4.675 ug/L	97
19) 1,1-Dichloroethane	6.03	63	26962	4.634 ug/L	97
20) cis-1,2-Dichloroethene	7.00	96	17288	4.709 ug/L	93
22) 2-Butanone	7.01	43	14682	8.993 ug/L	99
23) Bromochloromethane	7.35	128	8676	4.853 ug/L	96
25) Chloroform	7.52	83	27286	4.641 ug/L	98
27) 1,2-Dichloroethane	8.25	62	18712	4.823 ug/L	100
29) Cyclohexane	7.80	56	23003	4.212 ug/L	96
30) 1,1,1-Trichloroethane	7.72	97	24406	4.645 ug/L	98
31) Carbon tetrachloride	7.91	117	21517	4.540 ug/L	99
33) Benzene	8.17	78	66723	4.720 ug/L	100
34) Trichloroethene	8.94	95	17740	4.923 ug/L	93
35) Methylcyclohexane	9.19	83	26303	4.358 ug/L	98
37) 1,2-Dichloropropane	9.22	63	16503	4.608 ug/L	100
38) Bromodichloromethane	9.50	83	20438	4.518 ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	24652	4.441 ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	28000	8.838 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	68720	4.611	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	23407	4.557	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	14290	4.713	ug/L	97
46) Tetrachloroethene	10.72	164	13994	4.615	ug/L	94
48) 2-Hexanone	10.83	43	19144	8.390	ug/L	99
49) Dibromochloromethane	10.98	129	15614	4.451	ug/L	100
50) 1,2-Dibromoethane	11.09	107	13758	4.680	ug/L	94
51) Chlorobenzene	11.52	112	47174	4.893	ug/L	97
52) Ethylbenzene	11.59	91	73247	4.577	ug/L	100
53) m,p-Xylene	11.70	106	28576	4.558	ug/L	92
54) o-Xylene	12.03	106	27555	4.637	ug/L	95
55) Styrene	12.04	104	46256	4.561	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	15090	3.878	ug/L	97
59) Bromoform	12.21	173	10973	4.559	ug/L	97
60) Isopropylbenzene	12.33	105	72189	4.610	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	13267	4.536	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	55228	4.443	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	54988	4.470	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	35097	4.616	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	36239	4.692	ug/L	96
67) 1,2-Dichlorobenzene	13.74	146	32981	4.610	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	2768	4.102	ug/L	86
69) 1,3,5-Trichlorobenzene	14.50	180	25306	4.725	ug/L	98
70) 1,2,4-trichlorobenzene	15.01	180	20595	4.518	ug/L	98
71) Naphthalene	15.23	128	41497	4.179	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	19545	4.679	ug/L	99

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

