

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003536.D
 Acq On : 18 Nov 2020 18:29
 Operator : SY/MD
 Sample : VSTD05078
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05078

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:53 AM

Quant Time: Nov 19 03:33:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	245226	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	224259	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	112467	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	113796	53.43	ug/L	0.00
7) Chloroethane-d5	2.77	69	108592	51.57	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	299030	51.33	ug/L	0.00
20) 2-Butanone-d5	6.91	46	132649	101.90	ug/L	0.00
24) Chloroform-d	7.49	84	303576	52.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	171321	53.32	ug/L	0.00
29) Benzene-d6	8.11	84	624220	51.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	191440	52.87	ug/L	0.00
37) Toluene-d8	10.18	98	575398	52.27	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	94942	54.12	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	103976	110.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	165275	53.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	178531	52.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	74401m	47.946	ug/L
3) Chloromethane	2.12	50	140362	50.877	ug/L
5) Vinyl chloride	2.26	62	161662	52.498	ug/L
6) Bromomethane	2.66	94	121806	52.198	ug/L
8) Chloroethane	2.80	64	108151	51.221	ug/L
9) Trichlorofluoromethane	3.13	101	151764	49.156	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	157150	51.189	ug/L
12) 1,1-Dichloroethene	3.88	96	169044	51.266	ug/L
13) Acetone	3.97	43	86438	98.968	ug/L
14) Carbon disulfide	4.20	76	557101	50.449	ug/L
15) Methyl Acetate	4.49	43	119914	52.342	ug/L
16) Methylene chloride	4.72	84	189252	49.123	ug/L
17) Methyl tert-butyl Ether	5.22	73	272478	50.941	ug/L
18) trans-1,2-Dichloroethene	5.23	96	179463	51.012	ug/L
19) 1,1-Dichloroethane	6.02	63	308180	51.053	ug/L
21) 2-Butanone	7.00	43	156611	101.940	ug/L
22) cis-1,2-Dichloroethene	6.99	96	190259	51.473	ug/L
23) Bromochloromethane	7.34	128	90931	50.280	ug/L
25) Chloroform	7.52	83	302126	51.427	ug/L
27) 1,2-Dichloroethane	8.24	62	204677	50.805	ug/L
30) Cyclohexane	7.79	56	276937	52.434	ug/L
31) 1,1,1-Trichloroethane	7.71	97	235809	50.374	ug/L
32) Carbon tetrachloride	7.91	117	222561	52.077	ug/L
34) Benzene	8.16	78	707592	50.184	ug/L
35) Trichloroethene	8.94	95	176287	50.740	ug/L
36) Methylcyclohexane	9.19	83	293092	57.443	ug/L
40) 1,2-Dichloropropane	9.22	63	176351	50.049	ug/L
41) Bromodichloromethane	9.50	83	229594	51.944	ug/L
42) cis-1,3-Dichloropropene	9.93	75	289623	52.219	ug/L
43) 4-Methyl-2-pentanone	10.07	43	311986	108.856	ug/L

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44) Toluene	10.24	91	759386	51.741	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	265064	52.517	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	144369	51.074	ug/L	98
47) Tetrachloroethene	10.72	164	151938	51.411	ug/L	93
49) 2-Hexanone	10.83	43	242570	105.663	ug/L	99
50) Dibromochloromethane	10.99	129	174474	52.041	ug/L	93
51) 1,2-Dibromoethane	11.09	107	145042	52.179	ug/L #	96
52) Chlorobenzene	11.52	112	475134	50.916	ug/L	100
53) Ethylbenzene	11.59	91	780695	52.163	ug/L	98
54) m,p-Xylene	11.70	106	301419	52.505	ug/L	99
55) o-xylene	12.03	106	258586	53.886	ug/L	99
56) Styrene	12.04	104	508622	52.255	ug/L	100
57) Isopropylbenzene	12.33	105	557735	52.835	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	166999	52.296	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	127359	52.976	ug/L	100
62) Bromoform	12.20	173	119313	53.045	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	348635	51.017	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	358441	51.390	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	289569	51.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	23231	51.635	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	181718	50.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	166350	53.710	ug/L	98
69) Naphthalene	15.23	128	310948	55.268	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	123841	52.234	ug/L	99

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

