

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003584.D
 Acq On : 23 Nov 2020 10:45
 Operator : SY/MD
 Sample : VSTD00533
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:57:23 PM

Quant Time: Nov 23 11:47:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 11:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	223591	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	102718	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	16296	5.04	ug/L	0.00
7) Chloroethane-d5	2.77	69	13538	5.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	35582	6.01	ug/L	0.00
21) 2-Butanone-d5	6.90	46	12790	11.18	ug/L	0.00
24) Chloroform-d	7.48	84	32677	6.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	17572	5.34	ug/L	0.00
32) Benzene-d6	8.11	84	66700	5.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	20213	5.73	ug/L	0.00
41) Toluene-d8	10.17	98	58374	5.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	9191	5.45	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	8805	10.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	16946	5.42	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	17915	4.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	5343m	1.482	ug/L
3) Chloromethane	2.11	50	11611	2.870	ug/L 99
5) Vinyl chloride	2.26	62	16424	3.572	ug/L 97
6) Bromomethane	2.66	94	11857	4.306	ug/L 97
8) Chloroethane	2.80	64	10133	3.964	ug/L 95
9) Trichlorofluoromethane	3.13	101	11188	2.260	ug/L 90
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	15174	4.701	ug/L 94
12) 1,1-Dichloroethene	3.87	96	16654	5.392	ug/L 94
13) Acetone	3.96	43	9330	11.769	ug/L 98
14) Carbon disulfide	4.20	76	52239	4.826	ug/L 97
15) Methyl Acetate	4.49	43	12703	6.573	ug/L # 57
16) Methylene chloride	4.72	84	25657	6.622	ug/L 90
17) trans-1,2-Dichloroethene	5.22	96	17288	5.192	ug/L 97
18) Methyl tert-butyl Ether	5.22	73	25340	3.378	ug/L # 81
19) 1,1-Dichloroethane	6.02	63	29239	5.029	ug/L 96
20) cis-1,2-Dichloroethene	6.99	96	18137	5.201	ug/L 99
22) 2-Butanone	7.00	43	14762	11.509	ug/L 99
23) Bromochloromethane	7.33	128	8494	5.048	ug/L 92
25) Chloroform	7.51	83	28782	4.351	ug/L 96
27) 1,2-Dichloroethane	8.24	62	18746	4.664	ug/L 99
29) Cyclohexane	7.78	56	23709	4.405	ug/L 98
30) 1,1,1-Trichloroethane	7.71	97	22271	4.325	ug/L 99
31) Carbon tetrachloride	7.90	117	21749	4.661	ug/L 97
33) Benzene	8.16	78	68051	5.249	ug/L 100
34) Trichloroethene	8.94	95	16718	4.856	ug/L 94
35) Methylcyclohexane	9.18	83	25136	4.400	ug/L 98
37) 1,2-Dichloropropane	9.21	63	17407	5.322	ug/L 97
38) Bromodichloromethane	9.50	83	21629	5.042	ug/L # 99
39) cis-1,3-Dichloropropene	9.92	75	25522	4.914	ug/L 98
40) 4-Methyl-2-pentanone	10.07	43	26147	9.854	ug/L 100

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42) Toluene	10.24	91	70526	5.035	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	23412	4.922	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	13976	5.393	ug/L	97
46) Tetrachloroethene	10.72	164	14547	4.734	ug/L	95
48) 2-Hexanone	10.83	43	21273	11.109	ug/L	95
49) Dibromochloromethane	10.98	129	16115	5.079	ug/L	91
50) 1,2-Dibromoethane	11.08	107	13599	5.466	ug/L	94
51) Chlorobenzene	11.51	112	45463	4.984	ug/L	98
52) Ethylbenzene	11.59	91	70609	4.596	ug/L	100
53) m,p-Xylene	11.70	106	26877	4.575	ug/L	93
54) o-Xylene	12.02	106	23458	4.217	ug/L	96
55) Styrene	12.04	104	44191	4.520	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	16658	5.430	ug/L #	96
59) Bromoform	12.20	173	10638	5.154	ug/L	99
60) Isopropylbenzene	12.33	105	50392	3.717	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	12791	5.646	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	36632	3.330	ug/L	100
63) 1,2,4-Trimethylbenzene	13.11	105	38586	3.659	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	32502	4.702	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	35350	5.046	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	27993	4.485	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.36	75	2104	3.989	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	17688	3.588	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	14198	3.438	ug/L	97
71) Naphthalene	15.23	128	25085	3.367	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	11560	3.303	ug/L	97

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

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