

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120420\
 Data File : VY003657.D
 Acq On : 04 Dec 2020 11:17
 Operator : SY/MD
 Sample : VSTD2.577
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 3:13:03 PM

Quant Time: Dec 04 12:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 12:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	247443	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	232902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	8474	2.82	ug/L	0.00
7) Chloroethane-d5	2.77	69	6817	2.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.87	63	16041	2.34	ug/L	0.00
20) 2-Butanone-d5	6.91	46	6283	4.70	ug/L	0.00
24) Chloroform-d	7.50	84	15146	2.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8976	2.51	ug/L	0.00
29) Benzene-d6	8.12	84	33480	2.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	9922	2.46	ug/L	0.00
37) Toluene-d8	10.18	98	28740	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4166	2.07	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	4547	4.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	8562	2.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	10967	2.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	6304	3.867 ug/L	93
3) Chloromethane	2.12	50	7578	2.693 ug/L	96
5) Vinyl chloride	2.26	62	7657	2.356 ug/L	91
6) Bromomethane	2.66	94	5012	2.016 ug/L	99
8) Chloroethane	2.80	64	4738	2.168 ug/L	92
9) Trichlorofluoromethane	3.14	101	11949	3.414 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7346	2.252 ug/L #	87
12) 1,1-Dichloroethene	3.89	96	6468	1.932 ug/L	98
13) Acetone	3.96	43	5053	5.175 ug/L	99
14) Carbon disulfide	4.21	76	23126	2.093 ug/L	98
15) Methyl Acetate	4.50	43	5536m	2.242 ug/L	
16) Methylene chloride	4.74	84	16574m	3.940 ug/L	
17) Methyl tert-butyl Ether	5.24	73	18566m	3.100 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	8233	2.318 ug/L	87
19) 1,1-Dichloroethane	6.03	63	13396	2.242 ug/L	93
21) 2-Butanone	7.00	43	9014	5.492 ug/L #	72
22) cis-1,2-Dichloroethene	7.00	96	8144	2.220 ug/L	92
23) Bromochloromethane	7.34	128	4251	2.381 ug/L	90
25) Chloroform	7.51	83	13435	2.248 ug/L	98
27) 1,2-Dichloroethane	8.25	62	9129	2.257 ug/L #	94
30) Cyclohexane	7.79	56	11178	2.024 ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	12243	2.430 ug/L #	86
32) Carbon tetrachloride	7.91	117	10794	2.276 ug/L	97
34) Benzene	8.17	78	33225	2.306 ug/L	100
35) Trichloroethene	8.95	95	9092	2.455 ug/L	96
36) Methylcyclohexane	9.18	83	12816	2.209 ug/L	99
40) 1,2-Dichloropropane	9.22	63	8158	2.288 ug/L	98
41) Bromodichloromethane	9.50	83	10034	2.211 ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	12269	2.187 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	15003	4.925 ug/L	99

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44) Toluene	10.25	91	32882	2.162	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	10853	2.090	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	6965	2.414	ug/L	97
47) Tetrachloroethene	10.72	164	6982	2.225	ug/L	95
49) 2-Hexanone	10.83	43	9319	3.952	ug/L	97
50) Dibromochloromethane	10.98	129	8071	2.326	ug/L	95
51) 1,2-Dibromoethane	11.09	107	6413	2.239	ug/L	93
52) Chlorobenzene	11.51	112	22481	2.305	ug/L	96
53) Ethylbenzene	11.59	91	35909	2.285	ug/L	99
54) m,p-Xylene	11.70	106	13599	2.236	ug/L	88
55) o-xylene	12.03	106	12996	2.501	ug/L	98
56) Styrene	12.04	104	21356	2.149	ug/L	99
57) Isopropylbenzene	12.33	105	33131	2.718	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7159	2.136	ug/L	93
59) 1,2,3-Trichloropropane	12.64	75	6523	2.428	ug/L	97
62) Bromoform	12.20	173	5445	2.247	ug/L	98
63) 1,3-Dichlorobenzene	13.37	146	17748	2.357	ug/L	95
64) 1,4-Dichlorobenzene	13.45	146	17902	2.301	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	15464	2.427	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	1455	2.612	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	12264	2.876	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	10238	2.799	ug/L	98
69) Naphthalene	15.23	128	18701	2.751	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	9362	3.207	ug/L	97

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

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