

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020720\
 Data File : VV014523.D
 Acq On : 06 Feb 2020 17:37
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:53:35 AM

Quant Time: Feb 07 03:24:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 03:18:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	380833	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	360699	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	182613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8824	1.78	ug/L	0.00
7) Chloroethane-d5	1.58	69	6214	1.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	14329	1.66	ug/L	0.00
20) 2-Butanone-d5	3.95	46	7400m	3.12	ug/L	0.02
24) Chloroform-d	4.40	84	19833	1.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12222	2.02	ug/L	0.00
29) Benzene-d6	5.10	84	46195	2.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13289	2.08	ug/L	0.00
37) Toluene-d8	7.36	98	43725	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	6546	2.30	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	6075	4.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.25	84	12553	2.13	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	17224	2.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16547	2.663	ug/L 97
3) Chloromethane	1.25	50	16240	2.771	ug/L 98
5) Vinyl chloride	1.32	62	12007	2.135	ug/L 99
6) Bromomethane	1.53	94	5712	2.139	ug/L 99
8) Chloroethane	1.60	64	5769	1.857	ug/L 96
9) Trichlorofluoromethane	1.77	101	16684	2.108	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8598	1.892	ug/L 98
12) 1,1-Dichloroethene	2.14	96	7354	1.726	ug/L 98
13) Acetone	2.18	43	11082	4.005	ug/L 98
14) Carbon disulfide	2.32	76	45441	2.589	ug/L 100
15) Methyl Acetate	2.46	43	7387	1.773	ug/L 100
16) Methylene chloride	2.54	84	22517	3.167	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	33715	2.226	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	14212	2.346	ug/L 98
19) 1,1-Dichloroethane	3.23	63	22835	2.091	ug/L 98
21) 2-Butanone	4.03	43	7419	2.529	ug/L 77
22) cis-1,2-Dichloroethene	3.96	96	14518	2.251	ug/L 98
23) Bromochloromethane	4.30	128	6600	2.157	ug/L 92
25) Chloroform	4.42	83	25226	2.204	ug/L 98
27) 1,2-Dichloroethane	5.18	62	15152	1.951	ug/L # 91
30) Cyclohexane	4.72	56	22776	2.369	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	19338	2.132	ug/L 96
32) Carbon tetrachloride	4.87	117	16771	2.091	ug/L 99
34) Benzene	5.15	78	51409	2.190	ug/L 100
35) Trichloroethene	5.96	95	14133	2.237	ug/L 98
36) Methylcyclohexane	6.17	83	24328	2.442	ug/L 98
40) 1,2-Dichloropropane	6.22	63	12602	2.127	ug/L 99
41) Bromodichloromethane	6.55	83	16819	2.184	ug/L 93
42) cis-1,3-Dichloropropene	7.07	75	19779	2.191	ug/L 96
43) 4-Methyl-2-pentanone	7.27	43	18597	3.539	ug/L 97

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

44) Toluene	7.43	91	55826	2.316	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	17179	2.239	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	10137	2.123	ug/L	95
47) Tetrachloroethene	8.02	164	10599	2.018	ug/L	98
49) 2-Hexanone	8.18	43	12159	3.166	ug/L	91
50) Dibromochloromethane	8.29	129	11635	2.039	ug/L	93
51) 1,2-Dibromoethane	8.39	107	10424	2.113	ug/L	99
52) Chlorobenzene	8.92	112	38267	2.345	ug/L	98
53) Ethylbenzene	9.05	91	62696	2.360	ug/L	96
54) m,p-Xylene	9.18	106	24686	2.467	ug/L	99
55) o-xylene	9.59	106	23023	2.399	ug/L	96
56) Styrene	9.60	104	38921	2.353	ug/L	100
57) Isopropylbenzene	9.97	105	61684	2.419	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	13588	2.201	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	10574	2.103	ug/L	99
62) Bromoform	9.77	173	6661	1.868	ug/L #	95
63) 1,3-Dichlorobenzene	11.22	146	29181	2.302	ug/L	96
64) 1,4-Dichlorobenzene	11.31	146	30643	2.359	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	26817	2.277	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2594	2.394	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	21752	2.210	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	18704	2.193	ug/L	100
69) Naphthalene	13.55	128	43244	2.566	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	17355	2.213	ug/L	99

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

