

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003845.D
 Acq On : 29 Dec 2020 10:38
 Operator : SY/MD
 Sample : VSTD2.531
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.531

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:23 PM

Quant Time: Dec 29 12:55:41 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 29 12:43:03 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	331786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.48	117	314386	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	174839	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18646	4.80	ug/L	0.00
7) Chloroethane-d5	2.76	69	13501	4.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	27761	3.58	ug/L	0.00
21) 2-Butanone-d5	6.89	46	11343	6.51	ug/L	0.00
24) Chloroform-d	7.48	84	24845	3.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	15978	3.62	ug/L	0.00
32) Benzene-d6	8.11	84	48203	3.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	13731	2.84	ug/L	0.00
41) Toluene-d8	10.17	98	44645	3.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	7823	3.26	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	8514	6.25	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	13382	2.99	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	17457	2.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	18212	4.864	ug/L 96
3) Chloromethane	2.12	50	21669	5.005	ug/L 99
5) Vinyl chloride	2.25	62	20213	4.523	ug/L 97
6) Bromomethane	2.66	94	10920	3.845	ug/L 95
8) Chloroethane	2.80	64	11101	3.983	ug/L 96
9) Trichlorofluoromethane	3.13	101	24367	3.626	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	12555	2.996	ug/L 98
12) 1,1-Dichloroethene	3.88	96	11732	2.940	ug/L 91
13) Acetone	3.96	43	8738	7.169	ug/L 71
14) Carbon disulfide	4.20	76	38629	2.955	ug/L 99
15) Methyl Acetate	4.48	43	9537	3.152	ug/L 100
16) Methylene chloride	4.72	84	16376	2.817	ug/L 98
17) trans-1,2-Dichloroethene	5.23	96	12659m	2.848	ug/L
18) Methyl tert-butyl Ether	5.22	73	37214	3.215	ug/L 94
19) 1,1-Dichloroethane	6.02	63	23468	3.128	ug/L 92
20) cis-1,2-Dichloroethene	6.98	96	13824	2.906	ug/L 94
22) 2-Butanone	7.00	43	13752	6.580	ug/L 98
23) Bromochloromethane	7.33	128	6672	2.822	ug/L 94
25) Chloroform	7.51	83	24504	3.194	ug/L 99
27) 1,2-Dichloroethane	8.24	62	18279	3.404	ug/L 100
29) Cyclohexane	7.78	56	21289	3.061	ug/L 98
30) 1,1,1-Trichloroethane	7.71	97	22368	3.230	ug/L 96
31) Carbon tetrachloride	7.90	117	21145	3.369	ug/L 98
33) Benzene	8.16	78	49615	2.758	ug/L 100
34) Trichloroethene	8.93	95	13906	2.865	ug/L 92
35) Methylcyclohexane	9.18	83	21937	2.837	ug/L 97
37) 1,2-Dichloropropane	9.22	63	12794	2.848	ug/L # 96
38) Bromodichloromethane	9.50	83	18054	3.064	ug/L # 97
39) cis-1,3-Dichloropropene	9.93	75	22081	3.056	ug/L 94
40) 4-Methyl-2-pentanone	10.07	43	26479	6.260	ug/L 98

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

42) Toluene	10.24	91	55106	2.857	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	21312	3.144	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	11191	2.858	ug/L	97
46) Tetrachloroethene	10.72	164	12176	3.064	ug/L	92
48) 2-Hexanone	10.83	43	19376	6.541	ug/L	99
49) Dibromochloromethane	10.98	129	13718	2.983	ug/L	93
50) 1,2-Dibromoethane	11.09	107	10843	2.861	ug/L #	91
51) Chlorobenzene	11.51	112	35785	2.816	ug/L	98
52) Ethylbenzene	11.59	91	61130	2.921	ug/L	96
53) m,p-Xylene	11.70	106	22845	2.821	ug/L	98
54) o-Xylene	12.03	106	22212	2.858	ug/L	93
55) Styrene	12.04	104	37610	2.822	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	12635	2.938	ug/L #	92
59) Bromoform	12.20	173	9935	2.971	ug/L #	96
60) Isopropylbenzene	12.32	105	59375	2.765	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	11650	2.957	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	48163	2.812	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	48779	2.854	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	29757	2.872	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	31028	2.947	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	27642	2.865	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	2608	2.921	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.49	180	23870	3.190	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	19659	3.078	ug/L	99
71) Naphthalene	15.23	128	39161	2.917	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	16460	2.825	ug/L	91

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

