

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000533.D
 Acq On : 05 Nov 2019 10:50
 Operator : SY/MD
 Sample : VSTD05080
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050801

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:58:02 AM

Quant Time: Nov 06 04:31:40 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMLYM110519SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 04:18:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	369585	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	348116	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	173652	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	267497	47.51	ug/L	0.00
7) Chloroethane-d5	2.76	69	224083	45.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	459797	47.06	ug/L	0.00
21) 2-Butanone-d5	6.90	46	243748	98.60	ug/L	-0.01
24) Chloroform-d	7.49	84	452021	46.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	270519	46.52	ug/L	0.00
32) Benzene-d6	8.12	84	939196	46.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	286886	46.76	ug/L	0.00
41) Toluene-d8	10.18	98	865294	46.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	149417	48.26	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	200175	104.25	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	325552	49.02	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	314023	46.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	229431	44.666 ug/L	98
3) Chloromethane	2.12	50	310143	45.983 ug/L	99
5) Vinyl chloride	2.25	62	304426	48.339 ug/L	98
6) Bromomethane	2.65	94	143385	49.732 ug/L	89
8) Chloroethane	2.79	64	187250	48.179 ug/L	96
9) Trichlorofluoromethane	3.13	101	419011	47.152 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	243909	47.272 ug/L	99
12) 1,1-Dichloroethene	3.88	96	235448	47.960 ug/L	94
13) Acetone	3.95	43	194608	82.513 ug/L	97
14) Carbon disulfide	4.19	76	774314	49.736 ug/L	99
15) Methyl Acetate	4.49	43	206849	49.204 ug/L	100
16) Methylene chloride	4.72	84	264682	43.918 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	265773	48.717 ug/L	93
18) Methyl tert-butyl Ether	5.23	73	766568	49.310 ug/L	100
19) 1,1-Dichloroethane	6.03	63	460811	48.189 ug/L	96
20) cis-1,2-Dichloroethene	7.00	96	294035	48.142 ug/L	94
22) 2-Butanone	7.00	43	329727	91.247 ug/L	98
23) Bromochloromethane	7.35	128	133207	48.515 ug/L	97
25) Chloroform	7.52	83	480552	48.659 ug/L	97
27) 1,2-Dichloroethane	8.25	62	347672	49.283 ug/L	98
29) Cyclohexane	7.79	56	467239	49.136 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	412434	49.115 ug/L	99
31) Carbon tetrachloride	7.91	117	371366	47.957 ug/L	99
33) Benzene	8.17	78	1098784	48.059 ug/L	100
34) Trichloroethene	8.94	95	289321	47.952 ug/L	93
35) Methylcyclohexane	9.19	83	508263	49.041 ug/L	99
37) 1,2-Dichloropropane	9.22	63	280054	48.012 ug/L	99
38) Bromodichloromethane	9.50	83	365743	49.283 ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	468201	50.093 ug/L	99
40) 4-Methyl-2-pentanone	10.08	43	636533	99.029 ug/L	99

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

42) Toluene	10.25	91	1198176	49.073	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	415078	50.252	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	242187	48.910	ug/L	95
46) Tetrachloroethene	10.72	164	219015	47.552	ug/L	95
48) 2-Hexanone	10.83	43	499237	99.354	ug/L	98
49) Dibromochloromethane	10.99	129	285401	51.152	ug/L	97
50) 1,2-Dibromoethane	11.09	107	244646	48.852	ug/L #	95
51) Chlorobenzene	11.52	112	753539	48.317	ug/L	99
52) Ethylbenzene	11.59	91	1391836	49.970	ug/L	99
53) m,p-Xylene	11.70	106	531934	49.838	ug/L	98
54) o-Xylene	12.03	106	524461	50.595	ug/L	98
55) Styrene	12.04	104	913193	52.093	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	341395	50.862	ug/L	98
59) Bromoform	12.20	173	188805	51.277	ug/L	98
60) Isopropylbenzene	12.33	105	1373508	49.688	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	268721	48.883	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	1134522m	42.410	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	1119773	49.613	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	605279	48.848	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	603191	48.380	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	563881	48.589	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.36	75	63894	50.209	ug/L	94
69) 1,3,5-Trichlorobenzene	14.50	180	411736	48.140	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	366574	47.056	ug/L	98
71) Naphthalene	15.23	128	1010492	49.652	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	346973	48.077	ug/L	99

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

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