

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000651.D
 Acq On : 12 Nov 2019 12:55
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02587

Quant Time: Nov 13 02:54:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:50:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	389334	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	365710	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	177945	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	136297	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
7) Chloroethane-d5	2.76	69	116457	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
10) 1,1-Dichloroethene-d2	3.86	63	242512	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	6.90	46	109389	48.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.44%
24) Chloroform-d	7.49	84	233297	22.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	8.15	65	136870	23.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.44%
29) Benzene-d6	8.12	84	479018	22.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.24%
33) 1,2-Dichloropropane-d6	9.13	67	151422	22.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.00%
37) Toluene-d8	10.18	98	447382	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.20%
38) trans-1,3-Dichloropropene-	10.44	79	71315	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.88%
39) 2-Hexanone-d5	10.79	63	90320	50.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.42%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	155729	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.20%
61) 1,2-Dichlorobenzene-d4	13.72	152	156586	22.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	129240	25.120	ug/L 98
3) Chloromethane	2.11	50	163369	25.331	ug/L 100
5) Vinyl chloride	2.25	62	165641	25.734	ug/L 98
6) Bromomethane	2.65	94	91786	26.114	ug/L 97
8) Chloroethane	2.80	64	102149	25.309	ug/L 98
9) Trichlorofluoromethane	3.13	101	233851	25.651	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	138332	26.751	ug/L 98
12) 1,1-Dichloroethene	3.88	96	129541	25.664	ug/L 86
13) Acetone	3.95	43	81269	48.959	ug/L 100
14) Carbon disulfide	4.20	76	415761	26.695	ug/L 99
15) Methyl Acetate	4.48	43	101297	26.638	ug/L 100
16) Methylene chloride	4.72	84	145322	22.611	ug/L 94
17) Methyl tert-butyl Ether	5.22	73	403989	26.305	ug/L 99
18) trans-1,2-Dichloroethene	5.22	96	148077	26.268	ug/L 95
19) 1,1-Dichloroethane	6.03	63	258841	26.091	ug/L 95
21) 2-Butanone	7.00	43	150817	51.573	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	158949	25.492	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	71261	26.173	ug/L	93
25) Chloroform	7.52	83	263609	24.654	ug/L	99
27) 1,2-Dichloroethane	8.25	62	183925	25.731	ug/L	97
30) Cyclohexane	7.79	56	258762	25.929	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	229212	25.441	ug/L	99
32) Carbon tetrachloride	7.91	117	206896	26.347	ug/L	98
34) Benzene	8.17	78	605235	25.313	ug/L	100
35) Trichloroethene	8.94	95	157444	25.113	ug/L	98
36) Methylcyclohexane	9.19	83	278223	25.929	ug/L	99
40) 1,2-Dichloropropane	9.22	63	156813	25.880	ug/L	100
41) Bromodichloromethane	9.50	83	194228	24.913	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	255312	26.156	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	311166	53.695	ug/L	100
44) Toluene	10.25	91	649320	25.122	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	218176	26.017	ug/L	96
46) 1,1,2-Trichloroethane	10.64	97	127505	25.654	ug/L	98
47) Tetrachloroethene	10.72	164	118454	25.304	ug/L	98
49) 2-Hexanone	10.83	43	241756	53.562	ug/L	98
50) Dibromochloromethane	10.99	129	144435	25.721	ug/L	93
51) 1,2-Dibromoethane	11.09	107	127287	26.318	ug/L	98
52) Chlorobenzene	11.52	112	415525	25.332	ug/L	97
53) Ethylbenzene	11.59	91	746476	25.528	ug/L	98
54) m,p-Xylene	11.70	106	286254	25.868	ug/L	96
55) o-xylene	12.03	106	279263	25.710	ug/L	97
56) Styrene	12.04	104	476641	26.411	ug/L	99
57) Isopropylbenzene	12.33	105	728728	25.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	169018	27.256	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	131555	26.089	ug/L	99
62) Bromoform	12.20	173	91539	27.085	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	321250	25.311	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	325061	25.621	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	305485	25.988	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.36	75	29052	26.012	ug/L	83
67) 1,3,5-Trichlorobenzene	14.50	180	231106	26.117	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	201748	25.512	ug/L	99
69) Naphthalene	15.23	128	518142	26.291	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	189075	25.713	ug/L	98

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

