

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\
 Data File : VY000671.D
 Acq On : 13 Nov 2019 15:39
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02590

Quant Time: Nov 14 08:51:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 14 08:38:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	337521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	307386	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	150403	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122656	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.92%
7) Chloroethane-d5	2.76	69	108470	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.44%
10) 1,1-Dichloroethene-d2	3.85	63	220020	24.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.96%
20) 2-Butanone-d5	6.89	46	103504	52.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.26%
24) Chloroform-d	7.49	84	221927	25.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	8.14	65	128309	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.96%
29) Benzene-d6	8.11	84	446360	25.01	ug/L	-0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.04%
33) 1,2-Dichloropropane-d6	9.12	67	141231	25.24	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.96%
37) Toluene-d8	10.17	98	419251	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.56%
38) trans-1,3-Dichloropropene-	10.44	79	68671	26.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.24%
39) 2-Hexanone-d5	10.78	63	84323	55.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.54%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	144051	26.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.88%
61) 1,2-Dichlorobenzene-d4	13.72	152	153851	25.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	107927	24.197 ug/L	99
3) Chloromethane	2.11	50	138717	24.810 ug/L	99
5) Vinyl chloride	2.25	62	143649	25.743 ug/L	100
6) Bromomethane	2.65	94	78332	25.707 ug/L	98
8) Chloroethane	2.79	64	87836	25.103 ug/L	99
9) Trichlorofluoromethane	3.12	101	205480	25.999 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	119535	26.664 ug/L	98
12) 1,1-Dichloroethene	3.86	96	114461	26.157 ug/L	97
13) Acetone	3.94	43	64860	45.072 ug/L	97
14) Carbon disulfide	4.19	76	348244	25.792 ug/L	100
15) Methyl Acetate	4.47	43	82493m	25.023 ug/L	
16) Methylene chloride	4.72	84	134193	24.085 ug/L	97
17) Methyl tert-butyl Ether	5.22	73	338231	25.405 ug/L	99
18) trans-1,2-Dichloroethene	5.22	96	126685	25.923 ug/L	98
19) 1,1-Dichloroethane	6.02	63	220290	25.613 ug/L	96
21) 2-Butanone	6.99	43	125952	49.682 ug/L	97
22) cis-1,2-Dichloroethene	6.99	96	142095	26.288 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.33	128	61866	26.211	ug/L	91
25) Chloroform	7.51	83	228379	24.637	ug/L	98
27) 1,2-Dichloroethane	8.24	62	162964	26.298	ug/L	99
30) Cyclohexane	7.78	56	218077	25.999	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	199563	26.353	ug/L	99
32) Carbon tetrachloride	7.90	117	179044	27.126	ug/L	99
34) Benzene	8.16	78	517821	25.767	ug/L	100
35) Trichloroethene	8.94	95	137150	26.027	ug/L	98
36) Methylcyclohexane	9.18	83	237519	26.335	ug/L	99
40) 1,2-Dichloropropane	9.22	63	129673	25.462	ug/L	98
41) Bromodichloromethane	9.50	83	169324	25.839	ug/L	97
42) cis-1,3-Dichloropropene	9.92	75	218781	26.666	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	254567	52.263	ug/L	100
44) Toluene	10.24	91	557641	25.669	ug/L	97
45) trans-1,3-Dichloropropene	10.46	75	185428	26.307	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	107861	25.820	ug/L	95
47) Tetrachloroethene	10.72	164	105433	26.796	ug/L	94
49) 2-Hexanone	10.83	43	199614	52.617	ug/L	98
50) Dibromochloromethane	10.98	129	126020	26.700	ug/L	95
51) 1,2-Dibromoethane	11.09	107	107123	26.351	ug/L	97
52) Chlorobenzene	11.51	112	355512	25.786	ug/L	98
53) Ethylbenzene	11.59	91	646017	26.284	ug/L	96
54) m,p-Xylene	11.70	106	248473	26.714	ug/L	99
55) o-xylene	12.03	106	237391	26.002	ug/L	96
56) Styrene	12.04	104	407957	26.895	ug/L	99
57) Isopropylbenzene	12.33	105	632073	26.611	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	141554	27.159	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	115710	27.301	ug/L	99
62) Bromoform	12.20	173	80025	28.014	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	277272	25.847	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	277541	25.882	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	258033	25.971	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	25168	26.661	ug/L	89
67) 1,3,5-Trichlorobenzene	14.50	180	201727	26.972	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	175370	26.237	ug/L	98
69) Naphthalene	15.23	128	426032	25.576	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	159177	25.611	ug/L	99

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

