

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003726.D
 Acq On : 10 Dec 2020 19:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

Quant Time: Dec 11 00:51:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	198222	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	194450	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	104513	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	66407	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.77	69	54098	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.32%
10) 1,1-Dichloroethene-d2	3.87	63	125501	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.16%
20) 2-Butanone-d5	6.90	46	43471	43.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.00%
24) Chloroform-d	7.49	84	135236	26.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.04%
26) 1,2-Dichloroethane-d4	8.15	65	76312	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
29) Benzene-d6	8.12	84	284718	25.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.16%
33) 1,2-Dichloropropane-d6	9.12	67	82441	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.18	98	267497	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.04%
38) trans-1,3-Dichloropropene-	10.44	79	41020	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.04%
39) 2-Hexanone-d5	10.79	63	38959	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	81333	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
61) 1,2-Dichlorobenzene-d4	13.72	152	104033	27.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	58690	26.346	ug/L	100
3) Chloromethane	2.12	50	62250	25.749	ug/L	98
5) Vinyl chloride	2.26	62	67712	26.488	ug/L	98
6) Bromomethane	2.66	94	43318	26.207	ug/L	96
8) Chloroethane	2.80	64	42982	27.615	ug/L	95
9) Trichlorofluoromethane	3.14	101	107945	27.579	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	67465	26.814	ug/L	99
12) 1,1-Dichloroethene	3.89	96	63444	26.745	ug/L	86
13) Acetone	3.96	43	34424	46.992	ug/L	99
14) Carbon disulfide	4.20	76	203848	25.782	ug/L	99
15) Methyl Acetate	4.49	43	43782	23.753	ug/L	95
16) Methylene chloride	4.73	84	78448	22.539	ug/L	94
17) Methyl tert-butyl Ether	5.23	73	181317	26.965	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	70330	26.331	ug/L	97
19) 1,1-Dichloroethane	6.03	63	116138	25.900	ug/L	97
21) 2-Butanone	7.00	43	56710	43.841	ug/L	92
22) cis-1,2-Dichloroethene	7.00	96	76967	27.039	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	39662	27.912	ug/L	87
25) Chloroform	7.51	83	123717	27.255	ug/L	100
27) 1,2-Dichloroethane	8.25	62	85616	27.885	ug/L	97
30) Cyclohexane	7.79	56	104222	24.879	ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	111827	26.979	ug/L	99
32) Carbon tetrachloride	7.90	117	100330	27.268	ug/L	98
34) Benzene	8.17	78	295590	26.573	ug/L	100
35) Trichloroethene	8.95	95	76794	25.146	ug/L	99
36) Methylcyclohexane	9.18	83	124492	26.600	ug/L	98
40) 1,2-Dichloropropane	9.22	63	72539	26.001	ug/L	100
41) Bromodichloromethane	9.50	83	96405	27.198	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	117970	26.865	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	125698	47.967	ug/L	97
44) Toluene	10.25	91	323328	27.555	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	110402	27.276	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	63872	26.555	ug/L	97
47) Tetrachloroethene	10.72	164	66088	27.787	ug/L	94
49) 2-Hexanone	10.83	43	90918	49.367	ug/L	98
50) Dibromochloromethane	10.98	129	77894	27.672	ug/L	99
51) 1,2-Dibromoethane	11.09	107	62982	27.061	ug/L	98
52) Chlorobenzene	11.51	112	213831	27.691	ug/L	97
53) Ethylbenzene	11.59	91	352250	27.507	ug/L	99
54) m,p-Xylene	11.70	106	139632	28.265	ug/L	94
55) o-xylene	12.03	106	133199	28.104	ug/L	96
56) Styrene	12.04	104	235952	29.088	ug/L	100
57) Isopropylbenzene	12.33	105	351589	28.374	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	76247	29.567	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	62071	26.922	ug/L	100
62) Bromoform	12.21	173	54910	27.832	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	172450	27.746	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	174041	27.545	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	163367	28.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	13840	26.055	ug/L	99
67) 1,3,5-Trichlorobenzene	14.50	180	118489	26.966	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	98028	26.151	ug/L	98
69) Naphthalene	15.23	128	212314	27.005	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	92456	27.001	ug/L	99

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

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