

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003822.D
 Acq On : 18 Dec 2020 17:08
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02599

Quant Time: Dec 19 00:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 00:17:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	254647	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	234296	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124115	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	77757	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
7) Chloroethane-d5	2.77	69	59164	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	3.87	63	148329	20.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.24%
20) 2-Butanone-d5	6.90	46	46464	30.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.36%
24) Chloroform-d	7.49	84	142814	21.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	8.15	65	75940	20.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.24%
29) Benzene-d6	8.12	84	306149	22.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.32%
33) 1,2-Dichloropropane-d6	9.12	67	88547	20.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.88%
37) Toluene-d8	10.18	98	283402	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.36%
38) trans-1,3-Dichloropropene-	10.44	79	43695	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.92%
39) 2-Hexanone-d5	10.79	63	40938	35.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74612	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	103220	23.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	98868	22.750	ug/L 100
3) Chloromethane	2.12	50	94451	23.791	ug/L 98
5) Vinyl chloride	2.26	62	99231	24.881	ug/L 100
6) Bromomethane	2.66	94	56894	23.333	ug/L 99
8) Chloroethane	2.81	64	57197	24.544	ug/L 100
9) Trichlorofluoromethane	3.14	101	138246	22.689	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	84664	22.867	ug/L 97
12) 1,1-Dichloroethene	3.89	96	83359	23.685	ug/L 80
13) Acetone	3.97	43	28887	27.665	ug/L 95
14) Carbon disulfide	4.21	76	287981	23.254	ug/L 98
15) Methyl Acetate	4.50	43	41213	15.154	ug/L 93
16) Methylene chloride	4.73	84	91482	20.011	ug/L 93
17) Methyl tert-butyl Ether	5.24	73	198153	20.066	ug/L 98
18) trans-1,2-Dichloroethene	5.24	96	88482	23.208	ug/L 92
19) 1,1-Dichloroethane	6.03	63	142315	21.583	ug/L 97
21) 2-Butanone	7.00	43	51859	28.574	ug/L 91
22) cis-1,2-Dichloroethene	7.00	96	93414	23.105	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	43777	22.525	ug/L	90
25) Chloroform	7.51	83	145702	22.470	ug/L	99
27) 1,2-Dichloroethane	8.25	62	92802	20.651	ug/L	98
30) Cyclohexane	7.79	56	140177	21.796	ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	133346	23.274	ug/L	98
32) Carbon tetrachloride	7.91	117	124484	24.606	ug/L	98
34) Benzene	8.17	78	354909	23.808	ug/L	100
35) Trichloroethene	8.95	95	92174	23.036	ug/L	96
36) Methylcyclohexane	9.19	83	159345	23.510	ug/L	96
40) 1,2-Dichloropropane	9.22	63	84189	21.789	ug/L	99
41) Bromodichloromethane	9.50	83	107069	22.134	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	135569	22.082	ug/L	100
43) 4-Methyl-2-pentanone	10.08	43	119146	31.802	ug/L	95
44) Toluene	10.25	91	388785	24.553	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	121791	21.679	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	69206	22.117	ug/L	96
47) Tetrachloroethene	10.72	164	77528	24.368	ug/L	97
49) 2-Hexanone	10.83	43	84516	32.873	ug/L	95
50) Dibromochloromethane	10.99	129	83594	22.805	ug/L	96
51) 1,2-Dibromoethane	11.09	107	67002	21.613	ug/L #	99
52) Chlorobenzene	11.51	112	246296	24.302	ug/L	97
53) Ethylbenzene	11.59	91	419238	24.232	ug/L	98
54) m,p-Xylene	11.70	106	163911	24.562	ug/L	96
55) o-xylene	12.03	106	154410	24.657	ug/L	94
56) Styrene	12.04	104	268298	25.095	ug/L	95
57) Isopropylbenzene	12.33	105	412621	24.675	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	75409	20.628	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	59112	19.167	ug/L	98
62) Bromoform	12.21	173	52967	20.727	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	193914	24.164	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	192544	23.606	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	177334	23.947	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	12780	17.553	ug/L	87
67) 1,3,5-Trichlorobenzene	14.50	180	137526	24.615	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	112474	23.602	ug/L	98
69) Naphthalene	15.23	128	230455	21.195	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	97737	22.550	ug/L	100

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

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