

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003648.D
 Acq On : 02 Dec 2020 13:46
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025410

Quant Time: Dec 03 01:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLEM120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	206583	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	189784	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	96141	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	61851	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
7) Chloroethane-d5	2.77	69	49955	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.86	63	133765	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.60%
21) 2-Butanone-d5	6.90	46	67197	57.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.98%
24) Chloroform-d	7.49	84	133036	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.15	65	72463	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
32) Benzene-d6	8.12	84	274773	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	9.13	67	83686	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.92%
41) Toluene-d8	10.18	98	246182	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	10.44	79	39014	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.48%
47) 2-Hexanone-d5	10.79	63	51784	59.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.00%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	87756	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.68%
66) 1,2-Dichlorobenzene-d4	13.72	152	86518	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	61611	25.696	ug/L 99
3) Chloromethane	2.12	50	66753	25.672	ug/L 100
5) Vinyl chloride	2.26	62	73249	26.253	ug/L 98
6) Bromomethane	2.66	94	45863	26.253	ug/L 99
8) Chloroethane	2.80	64	44555	25.576	ug/L 100
9) Trichlorofluoromethane	3.14	101	115097	27.182	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	74008	26.182	ug/L 98
12) 1,1-Dichloroethene	3.88	96	70297	26.177	ug/L # 78
13) Acetone	3.96	43	49797	59.962	ug/L 96
14) Carbon disulfide	4.20	76	234707	26.457	ug/L 98
15) Methyl Acetate	4.49	43	54129	27.066	ug/L 100
16) Methylene chloride	4.73	84	84618	24.264	ug/L 96
17) trans-1,2-Dichloroethene	5.23	96	75732	25.678	ug/L 100
18) Methyl tert-butyl Ether	5.23	73	179700	24.930	ug/L 100
19) 1,1-Dichloroethane	6.03	63	126857	25.552	ug/L 99
20) cis-1,2-Dichloroethene	7.00	96	79958	25.851	ug/L 98
22) 2-Butanone	7.00	43	78250	56.046	ug/L 100

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Quant Time: Dec 03 01:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	38143	25.287	ug/L	98
25) Chloroform	7.51	83	128606	25.856	ug/L	97
27) 1,2-Dichloroethane	8.25	62	83925	25.634	ug/L	98
29) Cyclohexane	7.79	56	121914	27.057	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	115957	26.801	ug/L	99
31) Carbon tetrachloride	7.90	117	106909	27.376	ug/L	98
33) Benzene	8.17	78	305157	26.309	ug/L	100
34) Trichloroethene	8.94	95	75426	26.053	ug/L	97
35) Methylcyclohexane	9.18	83	132894	26.846	ug/L	100
37) 1,2-Dichloropropane	9.22	63	74238	25.215	ug/L	100
38) Bromodichloromethane	9.50	83	94994	25.631	ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	117410	25.812	ug/L	95
40) 4-Methyl-2-pentanone	10.08	43	144939	56.069	ug/L	99
42) Toluene	10.25	91	321103	26.352	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	107948	25.710	ug/L	98
45) 1,1,2-Trichloroethane	10.65	97	61464	24.858	ug/L	96
46) Tetrachloroethene	10.72	164	64515	26.036	ug/L	94
48) 2-Hexanone	10.83	43	112421	59.574	ug/L	99
49) Dibromochloromethane	10.99	129	72534	25.384	ug/L	100
50) 1,2-Dibromoethane	11.09	107	60682	25.374	ug/L #	100
51) Chlorobenzene	11.51	112	204423	26.039	ug/L	99
52) Ethylbenzene	11.59	91	344199	26.400	ug/L	99
53) m,p-Xylene	11.70	106	134529	26.384	ug/L	100
54) o-Xylene	12.03	106	126560	26.280	ug/L	97
55) Styrene	12.04	104	218011	26.458	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	85437	26.077	ug/L	97
59) Bromoform	12.21	173	49709	26.337	ug/L	98
60) Isopropylbenzene	12.33	105	337818	27.486	ug/L	100
61) 1,2,3-Trichloropropane	12.64	75	61657	26.818	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	268159	27.514	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	260645	27.068	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	156937	26.391	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	156226	25.854	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	143155	25.638	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	15198	28.487	ug/L	93
69) 1,3,5-Trichlorobenzene	14.50	180	108646	26.007	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	89357	25.112	ug/L	99
71) Naphthalene	15.23	128	206338	26.561	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	83194	25.456	ug/L	99

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

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