

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003638.D
 Acq On : 01 Dec 2020 17:28
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025408

Quant Time: Dec 02 01:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 12:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	235583	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	219830	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	116200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69171	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.88%
7) Chloroethane-d5	2.77	69	56501	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.64%
11) 1,1-Dichloroethene-d2	3.86	63	145923	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.28%
21) 2-Butanone-d5	6.90	46	70738	53.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.06%
24) Chloroform-d	7.48	84	149412	25.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	8.15	65	82290	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.72%
32) Benzene-d6	8.12	84	307163	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	9.12	67	92682	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
41) Toluene-d8	10.18	98	280533	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.56%
43) trans-1,3-Dichloropropene-	10.43	79	45122	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.32%
47) 2-Hexanone-d5	10.79	63	54451	53.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.12%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	98626	25.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.52%
66) 1,2-Dichlorobenzene-d4	13.72	152	102273	24.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	68017	24.876	ug/L 97
3) Chloromethane	2.12	50	74333	25.068	ug/L 99
5) Vinyl chloride	2.25	62	80373	25.260	ug/L 94
6) Bromomethane	2.66	94	50968	25.584	ug/L 98
8) Chloroethane	2.80	64	49412	24.873	ug/L 99
9) Trichlorofluoromethane	3.13	101	125792	26.050	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	80627	25.013	ug/L 98
12) 1,1-Dichloroethene	3.88	96	77171	25.200	ug/L 88
13) Acetone	3.95	43	49589	52.361	ug/L 95
14) Carbon disulfide	4.20	76	255555	25.261	ug/L 99
15) Methyl Acetate	4.48	43	58806	25.785	ug/L 100
16) Methylene chloride	4.73	84	91036	22.891	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	83996	24.974	ug/L 98
18) Methyl tert-butyl Ether	5.23	73	215005	26.156	ug/L 99
19) 1,1-Dichloroethane	6.03	63	144060	25.445	ug/L 99
20) cis-1,2-Dichloroethene	7.00	96	91245	25.869	ug/L 99
22) 2-Butanone	7.00	43	81800	51.376	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	43514	25.297	ug/L	96
25) Chloroform	7.51	83	145459	25.645	ug/L	98
27) 1,2-Dichloroethane	8.24	62	97286	26.057	ug/L	98
29) Cyclohexane	7.79	56	135093	25.884	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	127356	25.412	ug/L	99
31) Carbon tetrachloride	7.90	117	114011	25.204	ug/L	100
33) Benzene	8.17	78	343890	25.596	ug/L	100
34) Trichloroethene	8.94	95	83895	25.017	ug/L	98
35) Methylcyclohexane	9.19	83	147532	25.730	ug/L	99
37) 1,2-Dichloropropane	9.22	63	87521	25.663	ug/L	100
38) Bromodichloromethane	9.50	83	108993	25.389	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	136725	25.950	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	161265	53.858	ug/L	99
42) Toluene	10.24	91	366113	25.940	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	125644	25.835	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	73017	25.494	ug/L	98
46) Tetrachloroethene	10.72	164	71489	24.907	ug/L	96
48) 2-Hexanone	10.83	43	119145	54.507	ug/L	98
49) Dibromochloromethane	10.98	129	86892	26.252	ug/L	95
50) 1,2-Dibromoethane	11.09	107	71074	25.658	ug/L	100
51) Chlorobenzene	11.51	112	233689	25.698	ug/L	99
52) Ethylbenzene	11.59	91	395580	26.194	ug/L	100
53) m,p-Xylene	11.70	106	153527	25.995	ug/L	97
54) o-Xylene	12.03	106	148110	26.551	ug/L	96
55) Styrene	12.04	104	256965	26.924	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	98527	25.962	ug/L	99
59) Bromoform	12.21	173	59359	26.021	ug/L	100
60) Isopropylbenzene	12.32	105	387866	26.110	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	71030	25.562	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	313586	26.621	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	311798	26.790	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	184382	25.653	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	184278	25.232	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	172614	25.578	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	16386	25.412	ug/L	94
69) 1,3,5-Trichlorobenzene	14.50	180	128540	25.458	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	109789	25.528	ug/L	99
71) Naphthalene	15.23	128	246657	26.270	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	103806	26.280	ug/L	99

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

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